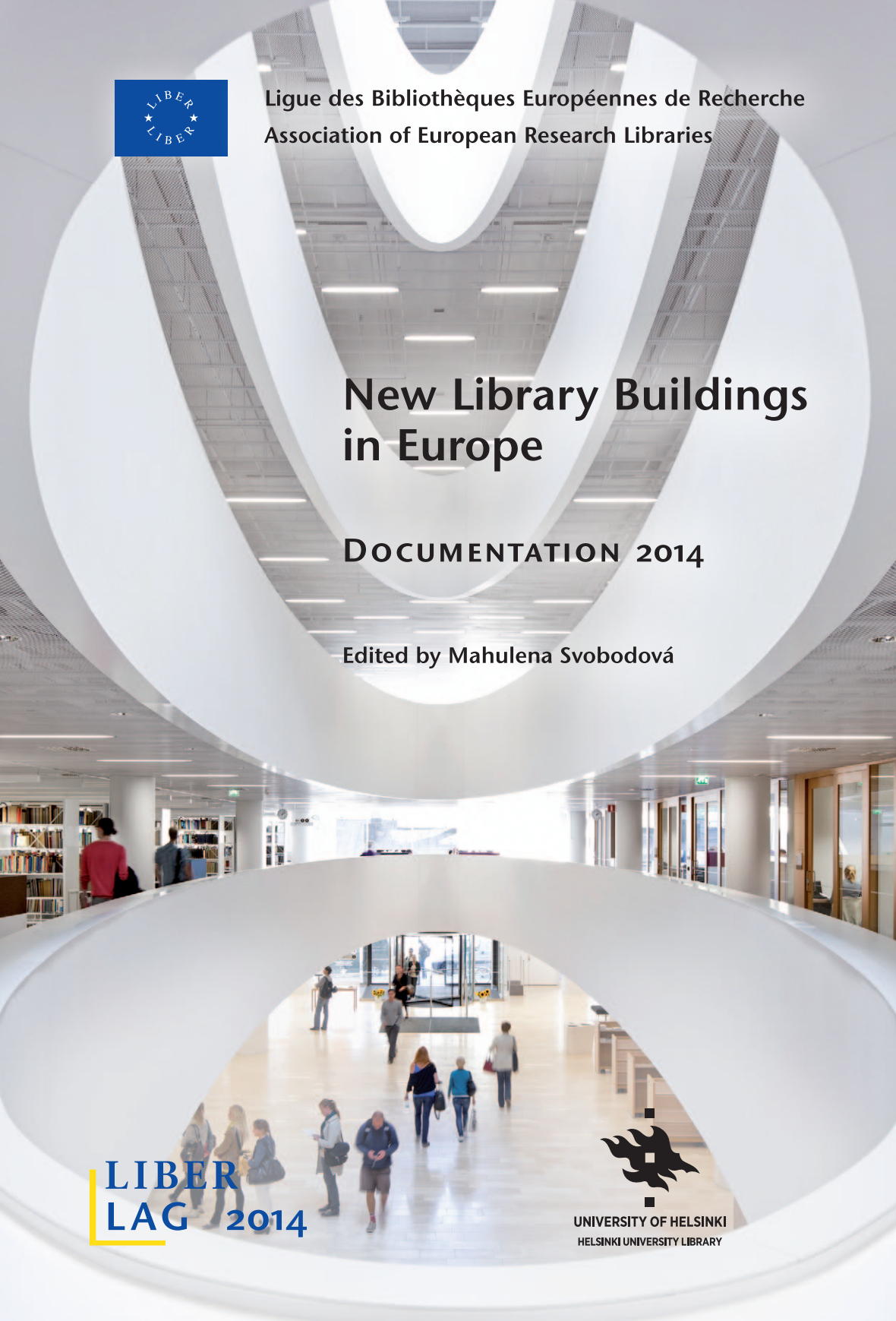
Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries

New Library Buildings in Europe

Documentation 2014

Edited by Mahulena Svobodová



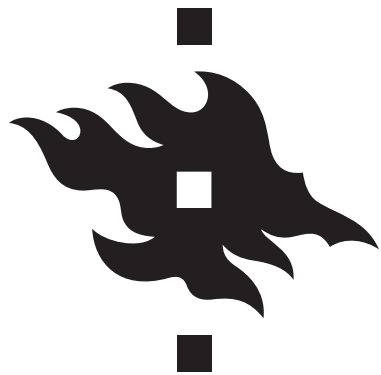
LIBER LAG 2014

UNIVERSITY OF HELSINKI
HELSINKI UNIVERSITY LIBRARY

New Library Buildings in Europe

Helsinki 2014

ANTTINEN OIVA ARKKITEHDIT OY



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Helsingin yliopiston kirjasto

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Edited by Mahulena Svobodová

Helsinki
2014

LIBER
LAG 2014

UNIVERSITY OF HELSINKI
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Published on the occasion of the 17th seminar of the LIBER Architecture Group, held at the Helsinki University Library, Helsinki, 5 to 9 May 2014

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Contents

Foreword to the LIBER Architecture Group Documentation 2014

On behalf of the LIBER Architecture Group, it is my special pleasure to introduce this documentation, which draws together information about library building projects across Europe. As in earlier surveys, a range of projects are presented including new buildings, renovations, refurbishments and extensions. Our aim is to provide librarians and architects with a wide variety of case studies and the concepts upon which they are based; hopefully, people involved in building projects will be able to find similar projects, to gain new ideas, to make professional contacts and to learn from one another.

This is the eleventh occasion upon which the LIBER Architecture Group has published a collection of case studies, and its publication coincides with a seminar organized by the Group. This time, it was the 17th seminar, hosted by the University Library of Helsinki University in Finland's capital. I would like to take this opportunity to thank Kimmo Tuominen, director, and Kaisa Sinikara, former director of the University Library, and their colleagues for inviting us to come to Helsinki and thus for providing us not only with the opportunity to see fascinating new buildings and learn about the underlying concepts, but also to visit a beautiful city!

The database that the National Library of Technology in the Czech Republic set up two years ago again allows electronic access to information about all the projects covered in the printed documentation (as well as to the projects presented in our 2012 documentation). We also hope to be able to include information from projects covered in earlier volumes in the near future. I am confident that this will become an important and easily accessible resource about library buildings throughout Europe. We are extremely grateful both to the Martin Svoboda and his colleagues at the National Library of Technology in Prague for the database, and to LIBER and its Executive Board for its support!

Ulrich Niederer
Chair, LIBER Architecture Group
March 2014

Vienna University of Economics and Business. Vienna, Austria

A Allgemeine Information

a Name und Adresse

1 University

2 Vienna University of Economics and Business

3 Welthandelsplatz 1, Building LC, 1010 Vienna, Austria

4 T +43-1-313 36-0, F +43-1-313 36 90 4910; E bibliothek@wu.ac.at

5 Nikolaus Berger

6 Nikolaus Berger, E nikolaus.berger@wu.ac.at; T +43-1-313 36-4910

b Publikum

7 150 000

8 24 000

9

10 2 200

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 4 000 m²

12 630

13 800 000 volumes

14 30 000 volumes

15 750 000 volumes

16 47

17 74 Stunden an 6 Öffnungstagen

B Das neue Gebäude

a Architekt(en)

18 Zaha Hadid Architects

19 Cornelius Schlotthauer

20 New building [Neubau der gesamten WU (Wirtschaftsuniversität Wien) in Campusform. Das Zentrum und Landmarkgebäude ist das Library & Learning Center. http://www.campuswu.at/]

b Ziele des Bauprojektes

21 Das Zentrum der WU bildet sowohl physisch als auch symbolisch ein Library und Learning Center, das mehr sein soll als eine klassische Bibliothek: Es ist gleichzeitig Bibliothek und Servicecenter, Arbeitsplatz und Lounge, Kommunikationsraum und Verkehrsknotenpunkt. Zentrale Funktionen des Studiums werden miteinander kombiniert, der Forschung wird ein Informationszentrum mit Mehrwert geboten.

c Spezielle Merkmale

22 Das Gebäude ist zentral in der Mitte des Campus gelegen.

23 Das symbolische und geografische Herzstück dieses Campus der Zukunft bildet das täglich 24 Stunden geöffnete Library & Learning Center. Umgesetzt wird dieses von der deutschen Niederlassung Zaha Hadids in Hamburg mit einem expressiven, markanten Bau. Ausdrucksstark ist das weit auskragende Dach des S-förmigen Gebäudes. Der davorliegende zentrale Platz geht fließend über in den Haupteingangsbereich und die Aula. Die BesucherInnen werden im Inneren über Rampen und Treppen spiralförmig durch die Bibliothek nach oben geführt, wo sich Bücher, Studienplätze und großartige Ausblicke auf den Campus mischen. Im Erdgeschoß befinden sich die Festsäle der WU sowie ein Library Cafe und eine Buchhandlung. In diesem Gebäude sind auch verschiedene Studierenden-Services und das Zentrum für Berufsplanung untergebracht.

C Technische Information

a Gesamtfläche

24 37 761 m²

Unterteilt in

25 15 703 m²

Spezielle Räume für

26

27

28

29

Räume für besondere Aktivitäten

30

31 100 m²

32 100 m²

33 2 568 m²

34

35 5 700 m²

36

37 1 500

Unterteilt in

38

39 70

40 300

41 1 200

b Gesamtkapazität der Stellfläche für Regale

42 26 445 m

Enthält

43 21 973 m

44 4 472 m

45 14 403 m

46

47

48 64

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49 Im Hohlraumboden geführte Luft. Nur im Buchmagazin Klimaanlage. Geothermie erzeugt 70% des für Heizung und Kühlung benötigten Energiebedarfs des Campus.

50 Wärmepumpe, lediglich für Spitzenlasten und Hochtemperatur-Verbraucher wird noch ein Fernwärmeanschluss benötigt. Betonkernaktivierung mit zusätzlichen Heizkörpern oder Bodenkonvektoren.

51 Leuchtstoffröhren in Rastergehäuse

52

53

54

55 RFID auf UHF Frequenz

56

57

58

D Zeitplan des Bauprozesses

59 2007

60 2008

61 2009

62 2010

63 2010 bis 2013

64 Juli–September 2013

65 30. September 2013

E Kosten (incl. Steuern)

66

67

68

69

70 492 000 000 EUR [Für 6 Neubauten von 6 internationalen Architekturbüros insgesamt: 492.000.000 Euro Gesamtkosten http://www.campuswu.at/de/info/gesamtprojekt/]

71

72 Public

Forum Library & Learning Center © BOANet

Vienna University of Economics and Business. Vienna, Austria

Library & Learning Center WU (Vienna University of Economis and Business)
© Zaha Hadid Architects

Forum Library & Learning Center © BOANet

František Bartoš Regional Library in Zlín. Zlín, Czech Republic

A General information

a Name and address

1 Regional [Regional AND public]

2 František Bartoš Regional Library in Zlín / Zlín Region

3 Vavrečkova 7040, 76001 Zlín

4 T +420 573 032 500; E info@kfbz.cz

5 Zdeňka Friedlová

6 Jan Kaňka, E kanka@kfbz.cz; T +420 573 032 502

b Population served

7 13 923

8

9

10 63

c The old/original building(s) before the new project

11 2 185 m²

12 78

13 295 200 volumes

14 152 950 volumes

15 142 250 volumes

16 46

17 43 hours / week, ca 300 days / year

B The new building

a Architect(s)

18 A.D.N.S. PRODUCTION s.r.o. / City Work s.r.o.

19 Juraj Sonlajtner, Jakub Obůrka (conversion); Jiří Voženílek (original project, 1947)

20 Renovation [conversion of old industrial building – former factory; space for closed stacks – new part of building]

b Aims of the new building

21 More space; more holdings in open stacks; more readers' places including group study, individual study rooms and places with computers; extension of the opening hours to the public; self-service possibility; concentration of the whole library stock under one roof – no detached stores; better facilities for public (library café, sanitary facilities atc.)

c Special Features

22 The building is part of the former Bata shoe company factory premises whose eastern part becomes a new vivid urban area (bus and railway station, main post office etc.).

23 The building was built in 1947 as one of the two twin buildings. Both "twins" are fully renovated and converted, in the first of them (building no. 14) resides museum (Museum of Southeastern Moravia in Zlin) and gallery (Regional Gallery of Fine Arts in Zlin), in the second (building no. 15) resides library. Buildings are linked together by a newly built one-floor height walkable space called platform which houses library closed stacks. Building has a rectangular platform, reinforced concrete skeleton, facade – a concrete frame plastered with roughcast with red brick lining and subtle steel windows. Size of the basic construction module of the skeleton is 6.15 × 6.15 m (20 × 20 ft) and platform of the building is formed to a modular grid (3 × 15 basic modules). Building is fully accessible for disabled.

C Technical information

a Floor area

24 15 202 m² [library building]

Divided into

25 3 163 m²

Special rooms for

26

27

28

29 116 m²

Special activities

30

31 338 m²

32 240 m²

33 867 m²

34 2 261 m²

35 8 217 m²

36 5 floors + 1 underground parking lot

37 230

Divided into

38 10

39 67

40 50

41 133

b Total potential capacity of shelving

42 20 113 m

Including

43 5 682 m

44 14 431 m

45 12 366 m [included in 44]

46 99 m

47 166 m

48 58

c Mechanical features

49 Combination of air conditioning and ventilation (opening of windows stops the air conditioning)

50 Forced hot air

51 Fluorescent tubes; open access stacks, readers places, offices – 500 lux

52 Acoustic boards in lecture halls and café

53 2 passenger elevators – public, 1 passenger/freight elevator – staff only, 2 book elevators – staff only

54 2 book elevators + book trolleys

55 RFID (borrowable books); RFID + EM (in-house used books and periodicals)

56 Yes

57 LAN CAT6, 1GBps

58

D Schedule of the building process

59 2004–2008

60 2009

61 2009–2011

62 2011

63 2013

64 04–09/2013

65 27. 9. 2013

E Costs (including taxes)

66 3 100 000 EUR [both buildings]

67 29 500 000 EUR [both buildings]

68 3 400 000 EUR [both buildings]

69

70 36 000 000 EUR [both buildings]

71

72 Public commission; Zlín Region: 47%, Regional Operational Programme of the Central Moravia Cohesion Region: 53%

F Publications & Awards

Jiří Voženílek: Building nos. 14 and 15 in Zlín – a heritage of the industrial era

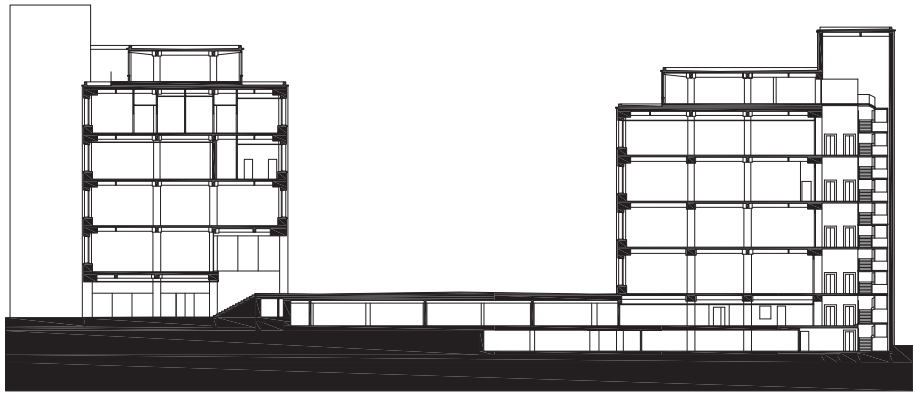
VŠETEČKA, Petr, ed. Jiří Voženílek: Budovy č. 14 a 15 ve Zlíně – dědictví industriální éry = Jiří Voženílek: Building nos. 14 and 15 in Zlín – a heritage of the industrial era. Zlín: Zlínský kraj, 2013. 127 s. ISBN 978-80-87833-03-2.

Book about the buildings, original project, it's architect Jiří Voženílek and conversion of the buildings for museum, gallery of fine arts and library.

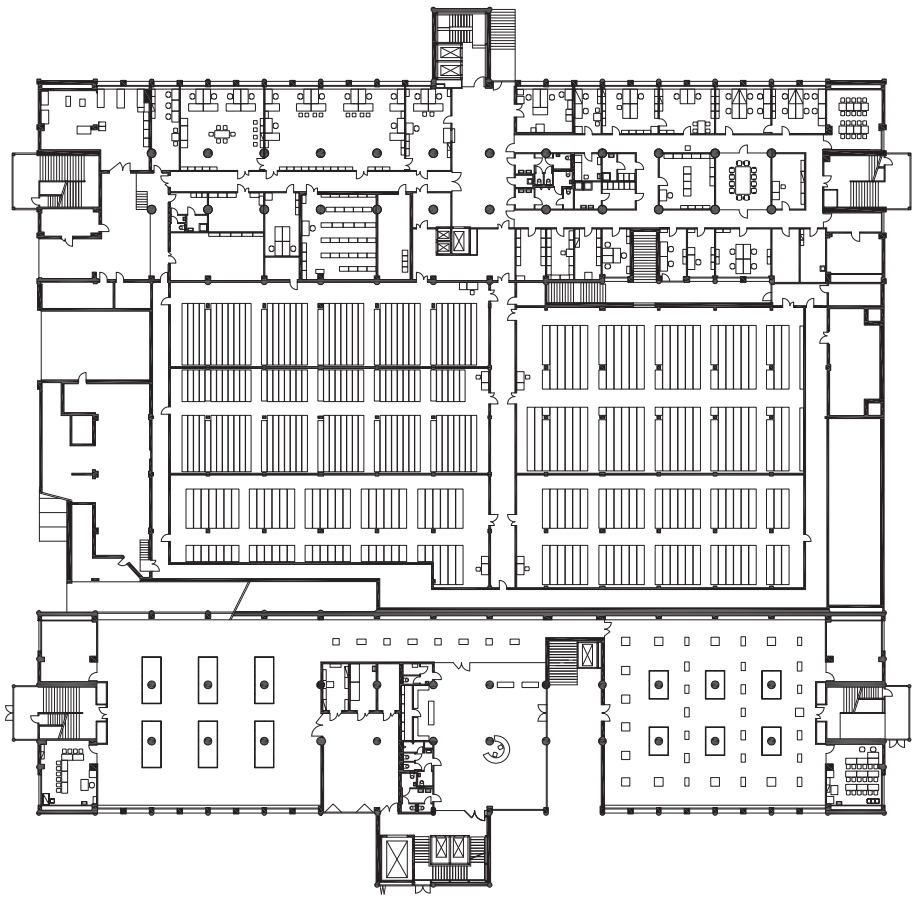
Perspective view of both buildings and the walkable platform that connects them (looking west) © City Work s.r.o.

Non-fiction section on the fourth floor © City Work s.r.o.

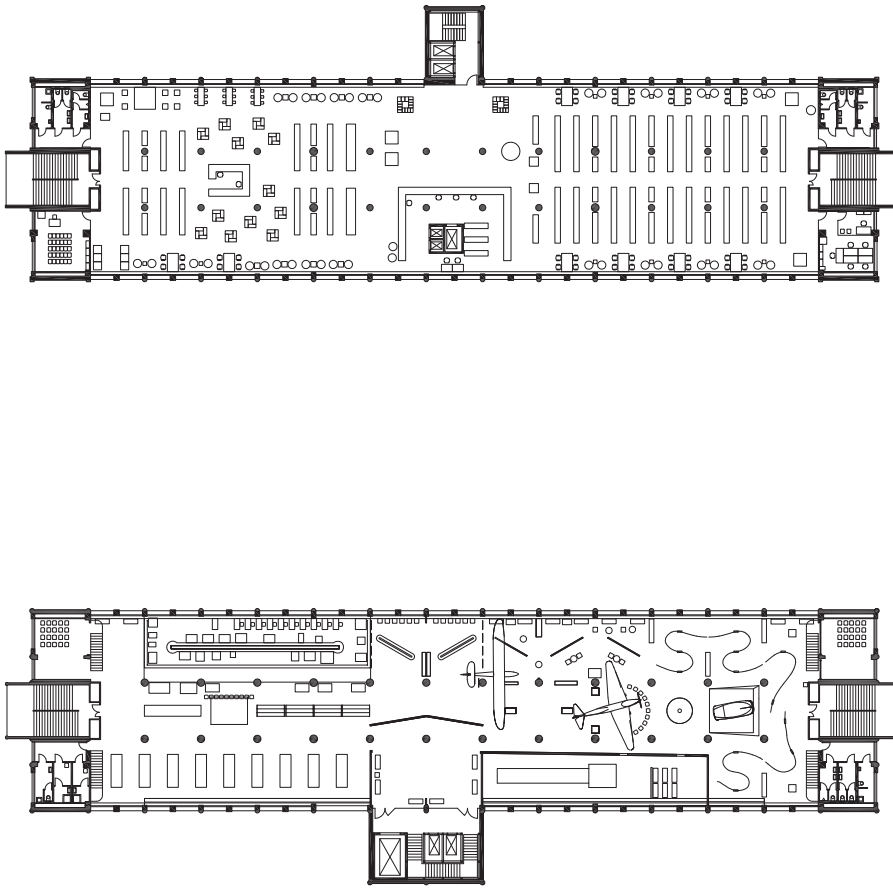
Children section on the third floor © City Work s.r.o.



Cross-section of the buildings © City Work s.r.o.



First Floor Plan (Library closed access stacks are situated between the buildings.) © City Work s.r.o.



Third Floor Plan © City Work s.r.o.

Helsinki University Library, Main Library.
Helsinki, Finland

Foreword

The new Main Library of the University of Helsinki opened in Kaisa House in September 2012. Over the past 15 years, the University has made a significant investment in library services by commissioning the construction of new, modern library buildings on all its four campuses (City Centre, Kumpula, Meilahti and Viikki). The development of coherent, integrated library services has been one of the goals of the University's strategic regeneration efforts.

Kaisa House is an interesting combination of respect for the surrounding environment and a unique design. The building is deftly woven into its red-brick surroundings, but at the same time displays its own characteristic identity with its large arched windows. Customers and visitors are struck by the library's light and spacious atmosphere and exciting architectural features, while the space and design solutions offer a range of flexible options for users. The building has a timeless quality and is capable of addressing the changing needs of its customers.

Kaisa House focuses on the arts, law, theology and social sciences, and serves the customers of five University of Helsinki faculties on the City Centre Campus. The major challenge in the design process was persuading these faculties to abandon their previous libraries and commit to a single joint library. The design and construction process was also complicated by the library's location: the building had to fit into existing surroundings in the heart of the city.

Once the winner of the architectural competition had been declared and the work had got underway, the construction process proceeded efficiently, and the architects, library representatives and developers cooperated successfully. The subsequent popularity and publicity of the building and the awards it has received demonstrate that we chose the right direction and solutions.

The international attention attracted by Kaisa House is reflected in the decision to select the Helsinki University Library as the host of the 17th seminar of the Liber Architecture Group, to be held in 2014. We are proud and excited about this opportunity and wish to thank the LAG and its chair

Ulrich Niederer for their cooperation in the seminar arrangements, as well as the editor of New Library Buildings in Europe and all the contributors.

Kaisa Sinikara
University Librarian (former)
Kimmo Tuominen
University Librarian

A General information

a Name and address

1 University

2 Helsinki University Library, Main Library / University of Helsinki

3 P.O. Box 53 (Fabianinkatu 30), FIN-00014 University of Helsinki

4 T +358 294 1911 (www.helsinki.fi/library)

5 Mr. Kimmo Tuominen, University Librarian, Dr. SSc

6 Matti Hjerppe

b Population served

7 100 300 [100,300 of which active readers 40,600]

8 36 200

9 27 400 [27 400 (open university, updating training)]

10 8 400

c The old/original building(s) before the new project

11 12 464 m² [12,464 m² in several buildings (4 faculty libraries, Undergraduate Library)]

12 996

13 31 472 m

14 24 764 m

15 6 708 m

16 90 [approximately]

17 Different opening hours, depending on the library: 45–61 hours per week; 284 days per year

B The new building

a Architect(s)

18 Anttinen Oiva Architects Finland; www.aoa.fi

19 Matti Huhtamies

20 New building

b Aims of the new building

21 The University of Helsinki developed its library structure by joining together the four faculty libraries (humanities, law, social sciences, theology) and the Undergraduate library of its Central Campus which were dispersed around different parts of the city center. Also the Joint Services of Helsinki University Library operate in the building. Floor area is the same as before. Main designing goals were: flexibility, functionality, ergonomy, recreational space, sound zones, acoustics, accessibility, logistics. The facilities have been divided into functional zones.

c Special Features

22 The building is located in the very center of the city, close by the university's main building(s).

23 The library building complements the urban block by adding a curved brick façade, integrated within the street line formed by the adjacent buildings. The fence fenestration grid, which blurs the standard floor division, together with the large arched openings give the library a district external appearance. The terraced reading galleries in the interior also show in the façade between the large arched openings. By varying the size of the arched openings the building is fitted as integrative solution of three different types of street space.

C Technical information

a Floor area

24 The whole building 24 449 m² (library and business premises included), library premises only 17 165 m².

Divided into

25 10 130 m² [of which 308 m² in 12 reading rooms]

Special rooms for

26 10 m² [one room]

27 164 m² [three rooms with integral computers]

28 See 34

29 186 m² [13 rooms; of which 11 rooms with self-service reserving via internet (university students and staff only)]

Special activities

30 56 m²

31 None

32 15 m² in library premises, 246 m² in business premises

33 2 304 m² [includes offices, meeting rooms, staff-only refreshment premises, and storages]

34 709 m²

35 3 591 m² [library premises only]

36 11 floors, 8,5 of which comprise library premises, and 2,5 business premises

37 939

Divided into

38 2

39 81 [of which 28 places in open access areas]

40 856 [of which 121 places in reading rooms and seminar rooms]

41

b Total potential capacity of shelving

42 1 500 000 volumes [printed books and periodicals]

Including

43 33 628 volumes

44 16 823 volumes [included 43 and 44]

45

46

47

48 83 [83,5]

c Mechanical features

49 Air conditioning with cooling

50 Central heating system with automatic control. Hot-water heating (radiators)

51 Ceiling lighting, some of the reading places with individual lighting

52 Acoustic paneling on the ceilings

53 3 lifts + 2 lifts for the staff

54 Book drop machine, sorter (28 vans)

55 RFID

56

57 All building wireless enabled

58

D Schedule of the building process

59 2005–2007

60 2007–2008

61 February 2010 – April 2012

62 February 2010

63

64

65 03. 09. 2012

E Costs (including taxes)

66

67 53 500 000 EUR [the whole building]

68 1 600 000 EUR [library only]

69

70

71

72 Kaisa House has been funded by the University of Helsinki Funds.

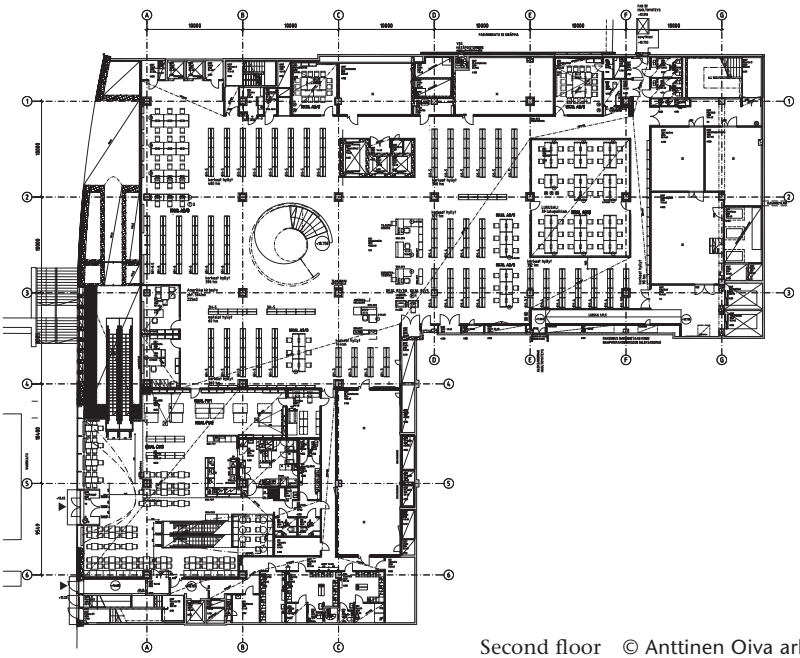
Facade © Tuomas Uusheimo

Main Entrance © Tuomas Uusheimo

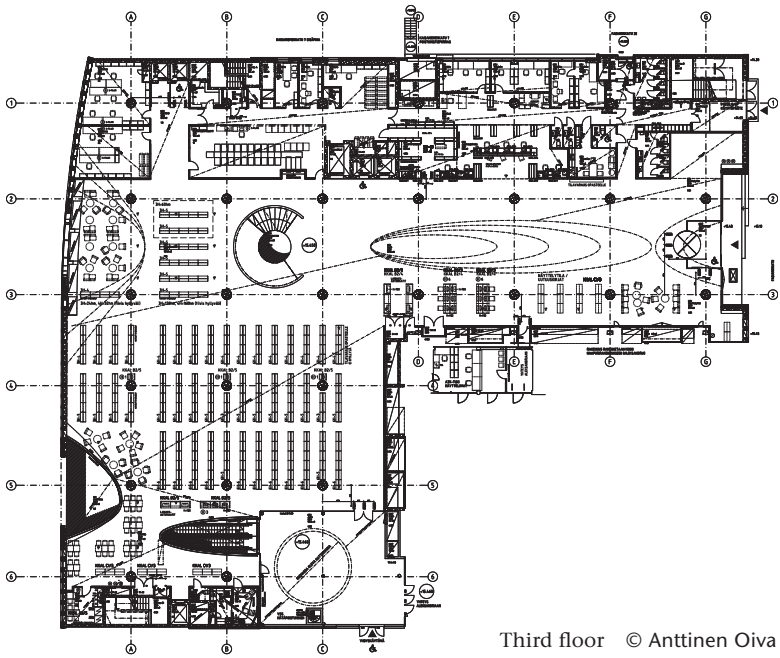
The third-floor students' recreational room © Mika Huisman

Main Entrance © Tuomas Uusheimo

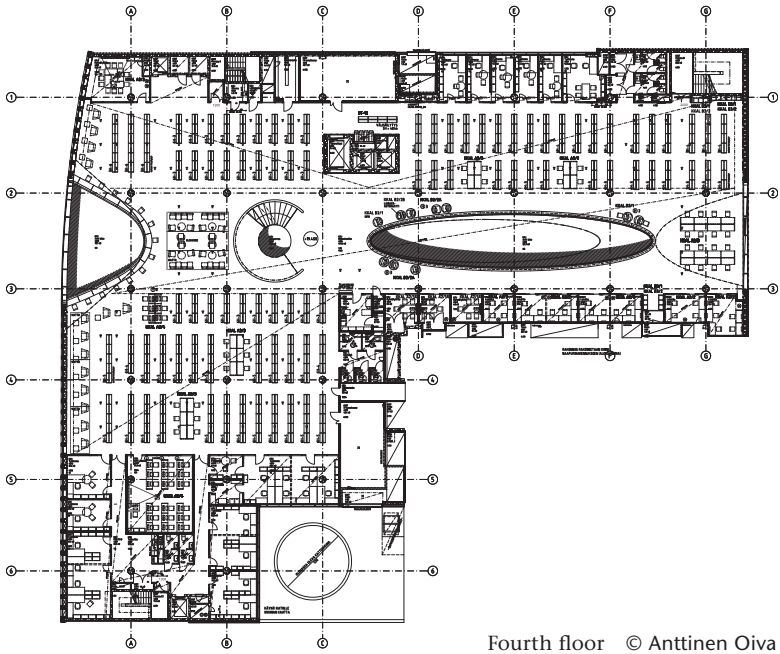
Staircase © Veikko Somerpuro



Second floor © Anttinen Oiva arkkitehdit Oy



Third floor © Anttinen Oiva arkkitehdit Oy



Fourth floor © Anttinen Oiva arkkitehdit Oy

Helsinki University Library, Main Library. Helsinki, Finland

Sibelius Academy Library – University of the Arts. Helsinki, Finland

A General information

a Name and address

1 University [The Sibelius Academy is the only Music University in Finland and one of the biggest in Europe.]

2 Sibelius Academy Library – University of the Arts / Sibelius Academy – University of the Arts

3 Töölönlahdenkatu 16 C, 00100 Helsinki Finland

4 T +35840 710 4224; E sibakirjasto@siba.fi

5 Mrs. Irmeli Koskimies

6 Mrs. Irmeli Koskimies, E irmeli.koskimies@siba.fi; T +35850 526 1950

b Population served

7 2 820 [Active customers, used the library in the near past.]

8 735

9 658

10 332 [332 lectures, professors, 120 administrators]

c The old/original building(s) before the new project

11 680 m² [Situated in two floors]

12 31

13 720 m [Including sheet music, books and periodicals. Plus 12 large boxes for cd-recordings.]

14 720 m [See above.]

15 130 m [Mostly sheet music, donations, LP-recordings, books and periodicals.]

16 11

17 Loaning Mon–Fri 10–18, Reading room Mon–Fri 10–20, Sat 12–16

B The new building

a Architect(s)

18 LPR-arkkitehdit Oy

19 Marko Kivistö

20 New building

b Aims of the new building

21 The Music Centre is a part of the Töölönlahti (Töölö Bay) area in Helsinki in front of the Finnish Parliament building. The Music Centre, Kiasma and the future City Library offer the possibility for the forming of an active and urban cultural centre, where different forms of art complement each other and where it is easy for consumers of culture to try new things and expand their horizons.

The Music Centre offers concert and rehearsal facilities for the Radio Symphony Orchestra and the Helsinki Philharmonic Orchestra and Sibelius Academy. The music university, two orchestras and the central location offer magnificent possibilities for the meeting and interaction of music listeners, musicians, students of music and the city residents.

The objective of the creators of the Music Centre was to defragment and harmonise the landscape of the Töölönlahti area in Helsinki. The Music Centre is linked to its environment with the two sides of its main body aligned with Finlandia Hall and the Parliament building and the height of the building being in level with the canopy of trees in the Karamzin Park. The green deck of the lower part of the Music Centre descends to the south, continuing as an ascending grass field to the front of Kiasma.

The client wanted the plan to support openness. The foyer opens up via the glass walls toward the park, the venue plaza and the city centre, and connects with the new architecture of the neighbouring buildings. The foyer is open to the public.

The core of the Music Centre, the 1704-seat vineyard-formed concert hall is entered through the surrounding foyer, to which the hall is visually connected through soundproof glass-walls.

c Special Features

22 The Music Library is situated inside the Music Centre near the Finnish Parliament House and near Kiasma, the Museum of Modern Art.

23 The Centre holds also five smaller music halls for 140 to 400 people. The acoustic features are designed to suit the special purpose of each hall – organ music, chamber music, vocal music and electronically amplified music or musical theatre.

The rehearsal and office spaces of the Sibelius Academy are grouped on seven floors around the courtyard opening toward the Karamzin Park. The two bottom floors house the studios and a music library.

The main material inside the hall, the foyer and the lobby is dark stained and lacquered solid wood animated by the surface texture designed to support the acoustics. The interior cladding elements of the five smaller halls are CNC-cut to individual shapes. The interiors are complemented by materials such as the stainless and powder coated steel and aluminium, backlit translucent plastic fixed furniture, epoxy floors and glass fibre mesh lining as well as strong emphasis colours in specific places and the refreshing design of the furniture. The point-fixed glass facades of the foyer are suspended lightly using latest technical expertise.

The requirement for successful acoustics has governed all levels of design. The concert and rehearsal halls are separated from the rest of the building by expansion joints and the halls rest on anti-vibration spring dampers. The wall cladding hides a great deal of acoustic-related design and work.

The framework is mainly reinforced concrete cast-in-place, complemented by steel structures. The point-fixed glass facade of the foyer with its glass roof sections is suspended from the top and backed up with glass supports and steel tension rods.

Regarding the outdoor lighting, the Music Centre manifests itself aesthetically in the cityscape in a subtle and modest way. The lighting in the halls supports the musical experience and can be transformed for various moods.

C Technical information

a Floor area

24 1 056 m²

Divided into

25 835 m²

Special rooms for

26 37 m² [3 rooms: CD/DVD/BluRay, 5.0 surround, Video projector, Keyboard, Phono, MiniDisc, LaserDisc, VHS, cassette]

27

28 150 m² [music manuscript, rare materials and reference rooms]

29

Special activities

30

31

32

33 215 m² [including digital conversion and scanning facilities for valuable material]

34 40 m²

35 1 lift, 2 toilets, staircase

36 2 levels of which 2 are public. 2 research rooms (total 13 m²). 6 catalog search workstations, 1 microcard reader.

37 62

Divided into

38 16 [10 are also computer places) + 10 in AV rooms. Additional services: VHS-DVD-conversion, DAT, tape cartridge & 78 rpm phono]

39 14 [10 are also AV places, see above), with printing and 2 scanners]

40

41 32

b Total potential capacity of shelving

42 2 049 m

Including

43 1 623 m

44 46 m

45 700 m [both open and closed stacks]

46 50 000 volumes [ca 50 000 items (CDs, DVDs, BluRays, LPs)]

47

48 12

c Mechanical features

49 Heat recovery ventilation

50 District heating

51 Intelligent lighting

52 Acoustic design: Nagata Acoustics / Akukon Oy (AV rooms soundproofed with floating floor)

53 1 lift by KONE Oyj

54 N/A

55 3M theft detection system

56 Computerized system for air conditioning, temperature control, lighting, fire and other emergency management

57 Sibelius Academy high-speed LAN (GB range) and WLAN, also Music Centre open access WLAN

58 Self-service borrowing and returning systems

D Schedule of the building process

59 1994–2000

60 Open two-phase international competition 1999–2000

61

62 2006

63 2011

64

65 31. 8. 2011

E Costs (including taxes)

66

67 160 000 000 EUR [Music Centre total]

68 20 000 000 EUR

69

70

71

72 Public, The City of Helsinki, The Government of Finland

Helsinki Music Centre. Inside the Sibelius Academy Library. © Photo Tuomas Uusheimo

Sibelius Academy Library – University of the Arts. Helsinki, Finland

The Sibelius Academy atrium © Photo Voitto Niemelä

Centre technique du livre de l'enseignement supérieur. Bussy Saint Georges, France

A Informations générales

a Nom et adresse

1 National

2 Centre technique du livre de l'enseignement supérieur / Ministère de l'enseignement supérieur et de la recherche

3 14, avenue Gutenberg. Bussy Saint Georges, 77607 Marne La Vallée cedex

4 T +33164762780, F +33164762800; E ctles@ctles.fr

5 Jean-Louis Baraggioli

6 Bernadette Patte, E bernadette.patte@ctles.fr; T +33164762781, +33164762808

b Population desservie

7 Le CTLes est une bibliothèque de dépôt qui ne reçoit pas de public.

8

9

10

c Situation de la bibliothèque avant le nouveau projet

11 3 578 m² [L'édifice occupé construit par Dominique Perrault est partagé avec le Centre technique de la Bibliothèque nationale de France.]

12

13 76 000 m

14

15 69 000 m

16 23 [22.7 au 1er janvier 2014]

17 0

B Le nouveau bâtiment

a Architecte(s)

18 Antonini+Darmon, Anthony Roubaud architectes

19 Antony Roubaud

20 Extension

b Buts du nouveau bâtiment

21 Extension du bâtiment existant prévoyant un équipement de 100 kilomètres linéaires, livrés en deux phases. Le bâtiment sera livré en 2015 pour 50 kilomètres linéaires et 50 kilomètres supplémentaires seront équipés 10 ans plus tard.

c Caractéristiques

22 Proximité du bâtiment existant, sur le même site.

23 L'extension comportera deux silos distincts, reliés à l'existant par une passerelle.
Le projet s'inscrit dans l'esprit du bâtiment construit par Dominique Perrault mais s'en démarquera : les deux silos seront plus hauts et plus fins que les bâtiments du site.

C Informations techniques

a Surface

24 10 400 m²

Divisé en

25

Salles spéciales pour

26

27

28

29 110 m²

Salles pour autres activités

30

31

32

33 La totalité des services internes resteront situés dans le bâtiment existant.

34 8 000 m²

35 1 261 m²

36 5 niveaux. le niveau R0 se découpant en rez de chaussée bas et rez de chaussée haut.

37

Divisé en

38

39

40

41

b Capacité potentielle totale de stockage

42 7 000 000 volumes [L'ensemble permettra de conserver plus de 7 millions de volumes sur près de 200 kilomètres linéaires.]

Inclus

43

44 La totalité sera conservée en magasins fermés.

45 98.5 kilomètres linéaires de rayonnages mobiles dont 38.5 kilomètres linéaires de rayonnages mobiles de double hauteur.

46

47

48 24

c Caractéristiques techniques

49 Raccord sur l'existant.

50 Etude de géothermie en cours. Sinon raccord sur le circuit existant.

51

52

53 1 ascenseur, et 1 monte charge. Monte-livres dans les magasins équipés de rayonnages de double hauteur.

54

55

56

57 Idem que l'existant.

58

D Échéancier de réalisation

59 Cabinet Aubry & Guiguet avril 2011 – janvier 2012

60 Janvier 2012 – juillet 2012

61 Octobre 2012 – janvier 2014

62 Juin 2014

63 18 mois

64 Pas de déménagement avant ouverture. Equipement juin 2015.

65 Fin trimestre 2015

E Coûts

66 Présent sur la parcelle de l'existant.

67 17 957 914 €TTC

68 2 292 923€TTC

69

70 31 400 00 €TTC

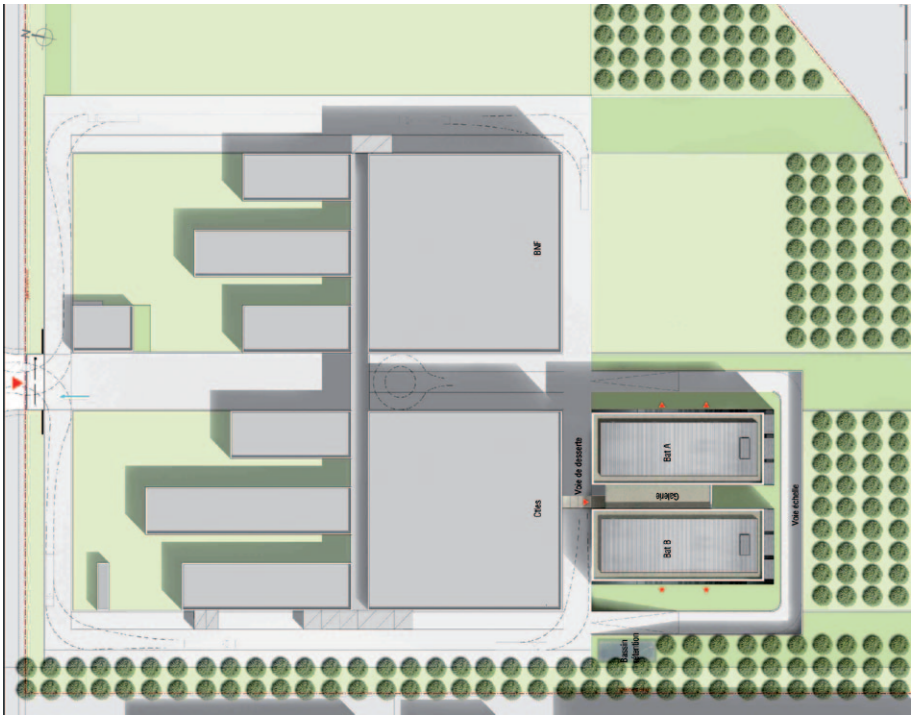
71

72 Fonds publics

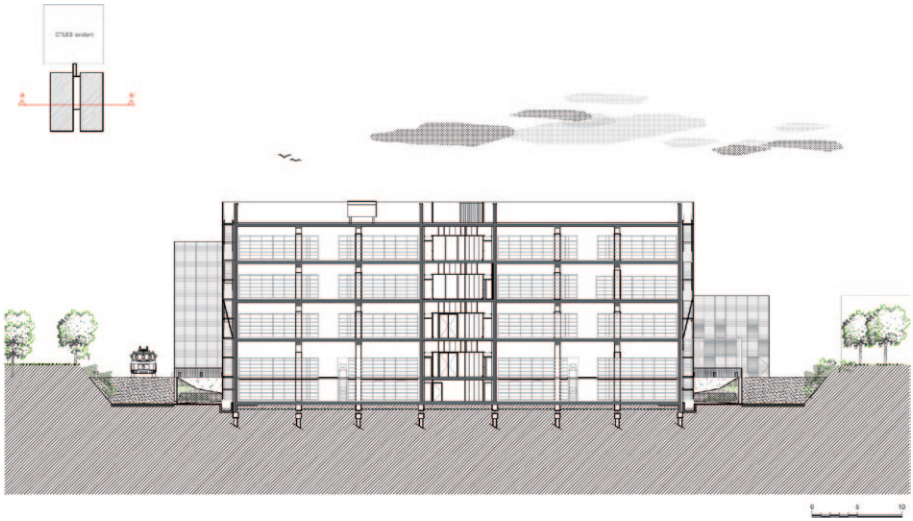
Perspective C Etat futur © ANTONINI + DARMON architectes, Anthony ROUBAUD architecte

Façade du bâtiment actuel © L. HEDOUIN / CTLes

Centre technique du livre de l'enseignement supérieur. Bussy Saint Georges, France



Plan de masse C © ANTONINI + DARMON architectes, Anthony ROUBAUD architecte



Coupe AA' C © ANTONINI + DARMON architectes, Anthony ROUBAUD architecte

Université Lille 1, Sciences et Technologie. Lille, France

A Informations générales

a Nom et adresse

1 Bibliothèque universitaire évoluant en un Learning Centre.
Nom en cours de décision : LEARNING CENTRE INNOVATION

2 Université Lille 1, Sciences et Technologie

3 Bibliothèque universitaire, Cité scientifique, Avenue Poincaré, BP 30555, 59653 VILLENEUVE D'ASC (France)

4 T + 33 (0)3 20 43 44 10, F + 33 (0)3 20 33 71 04

5 M. Julien ROCHE

6 Laurent MATEJKO, chef de projet « Learning Centre » pour la bibliothèque universitaire, E laurent.matejko@univ-lille1.fr

b Population desservie

7 7 000

8 20 000

9

10 2 850

c Situation de la bibliothèque avant le nouveau projet

11 6 376 m²

12 750

13 12 928 m

14 2 428 m

15 10 500 m

16 52

17 59 heures/semaine, 221 jours/an

B Le nouveau bâtiment

a Architecte(s)

18 Cabinet AUER + WEBER + Assoziierte, Sandstrasse 33, 80335 München (Allemagne)/Haussmannstrasse 103 A, 70188 Stuttgart (Allemagne)

19 M. Eric FRISCH

20 L'opération est une réhabilitation complète du bâtiment de la bibliothèque et en une extension de ce bâtiment

b Buts du nouveau bâtiment

21 L'actuelle BU de Lille 1 souffre de plusieurs maux, notamment des non-conformités en termes de sécurité incendie, ainsi que l'inadaptation des locaux au travail des agents (sous-dimensionnement des espaces internes) et des usagers (absence de prises de courants, inconfort thermique, acoustique et ensoleillement excessif). L'informatisation puis le développement de l'internet permettent de repenser l'offre de services à destination des usagers universitaires et des autres publics, sur place comme à distance, ainsi que le rôle des personnels de la documentation dans une approche de médiation avec les publics (développement d'un rôle pédagogique).

Par ailleurs, le futur LC proposera une offre documentaire en libre accès encore meilleure (3 000 ml au lieu de 2 428), et un stockage plus dense des collections grâce à l'usage de rayonnages mobiles en magasins.

Plusieurs ambiances de travail seront créées pour les usagers, avec notamment un internet-café de 90 places, ainsi que 50 salles de travail en groupe accessibles par réservation en ligne, sans oublier des espaces de travail plus traditionnels réservés à l'étude silencieuse. Le nombre de places de travail augmente de 750 à 840 unités.

Les horaires d'ouverture seront notablement élargis, de 59h hebdomadaires aujourd'hui à au moins 70h, mettant à profit la modularité des espaces – voulue dès le programme – qui autorise une ouverture partielle aux horaires extrêmes, moins lourde en termes de mobilisation des personnels.

Le projet crée deux espaces complémentaires aux services traditionnels des BU. D'abord, un expérimentarium (qui est un démonstrateur de la recherche menée à Lille 1 et plus largement dans les universités), puis un grand espace événementiel dédié à la promotion de l'innovation mais aussi à l'accueil des manifestations et des événements de l'université. Ces deux espaces ainsi que le pôle bibliothèque fonctionneront en symbiose, avec une programmation propre des événements organisés dans les murs du learning center.

c Caractéristiques

22 Le futur Learning Center est au cœur du campus de la Cité scientifique de Villeneuve d'Ascq. Il est desservi par deux stations de métro le reliant au centre de Lille.

23 Le bâtiment originel a été conçu en 1965 par Noël Le Maresquier, élève de Le Corbusier et Grand prix de Rome, et réalisé par Jean Vergnaud. Il a pour forme un cylindre plat, habillé de claustra en béton qui lui donnent une identité visuelle exceptionnelle. La BU offre une façade vitrée de plus de 2 000 m², à 360°, et ne comprend quasiment aucun mur porteur, ce qui assure une transparence de part en part des lieux. La structure repose sur des poteaux métalliques qui doivent être sécurisés contre l'incendie. La réhabilitation doit préserver les caractéristiques esthétiques du bâtiment.

Afin de réaliser l'extension (2 610 m² SU, soit 3123 m² SHON), le talus qui ceinture le bâtiment sera éliminé afin de dégager un accès public unique au niveau du sous-sol du bâtiment existant. En effet, depuis l'arrivée du métro aérien au début des années 80, les flux piétons à travers le campus ont été profondément modifiés, d'où la décision de changer le sens de fonctionnement du bâtiment remodelé. Vont disparaître également tous les édicules extérieurs (escaliers de secours, auvent de l'ancienne entrée, les deux bassins, l'appartement directorial en toiture).

L'augmentation de surface se fera en créant une structure au niveau du sous-sol, en forme de vague épousant l'existant. Cette extension offrira une façade vitrée d'environ 300 ml, et permet de mettre en avant les nouvelles fonctions rencontrées dans le learning center : d'une part l'espace événementiel, et d'autre part l'expérimentarium.

Plusieurs cibles HQE sont visées à un niveau très performant : les conforts hygrothermique, acoustique et visuel, ainsi que l'intégration du bâtiment à son environnement. D'autres cibles sont visées à un niveau performant : le choix intégré des produits, systèmes et procédés de construction, un chantier à faible nuisance, ainsi que la gestion de l'énergie et de l'entretien et maintenance du bâtiment.

C Informations techniques

a Surface

24 9 664 m² [9664 m² de surface hors oeuvre nette, pour une surface utile de 7831 m²]

Divisé en

25 3 836 m² [3836 m² de surface utile, dont 589 m² de salles de travail en groupe]

Salles spéciales pour

26

27 78 m² [78 m² (innovation pédagogique). Toutes les places de travail disposent de prises de courant, une sur deux une prise réseau.]

28

29 733 m² [Surface utile : Salles de travail en groupe : 589 m² ; Salles de séminaire : 144 m².]

Salles pour autres activités

30 501 m² [Surface utile]

31 422 m² [Surface utile : Grand amphithéâtre : 296 m² ; Petit amphithéâtre : 126 m².]

32 242 m² [Surface utile]

33 1 102 m² [Surface utile]

34 976 m² [Surface utile]

35 1 098 m² [Surface utile]

36 Le learning center est également doté de deux espaces spécifiques :
L'expérimentarium : 297 m²,
L'espace de promotion de l'innovation : 216 m²

37 840

Divisé en

38

39 Toutes les places sont équipées en prises de courant. Une sur deux est équipée de prises réseau. Wifi partout.

40 298

41 542

b Capacité potentielle totale de stockage

42 12 754 m

Inclus

43 3 000 m

44 9 754 m

45 7 800 m [Soit 80% des fonds en magasins]

46 Négligeable en volume

47

48 65

c Caractéristiques techniques

49 Ventilation, mais pas d'air conditionné, sauf dans des locaux à risques très particuliers (salle avec des serveurs informatiques)

50 Chauffage urbain. Chaleur apportée par un réseau primaire, échangeant les calories par un échangeur avec le réseau intérieur du bâtiment.

51 Bâtiment très transparent : éclairage particulièrement étudié pour optimiser à la fois le confort des usagers et la sobriété énergétique.

52 Attention portée au confort acoustique, aux transitions entre les espaces d'ambiances différentes (travail en équipe, internet café, salles de lecture).

53 Trois ascenseurs sont prévus (600 kg de charge utile chacun), un autre appareil est en option.

54 Non

55 Système de prêt-retour et antivol RFID, prestataire non désigné à ce jour.

56 Optimisation du confort thermique et visuel. La GTB gère le lien entre le chauffage, la ventilation et l'activation des pare-soleil.

57 Bâtiment rattaché au réseau de fibres optiques du campus.

58 Nombre de places câblées pour accès internet : 485
Nombre de places équipées de prises pour ordinateurs personnels : 1 075

D Échéancier de réalisation

59 Pré-programme en février 2009, programme fonctionnel validé en juin 2012

60 Juin 2012 – mars 2013

61 Avril 2013 – janvier 2014

62 Février 2014

63 18 mois

64 Courant 2016

65 Septembre 2016 (prévision)

E Coûts

66 Terrain et bâtiment appartiennent à l'Etat

67 35 000 000 EUR [35 M EUR TTC]

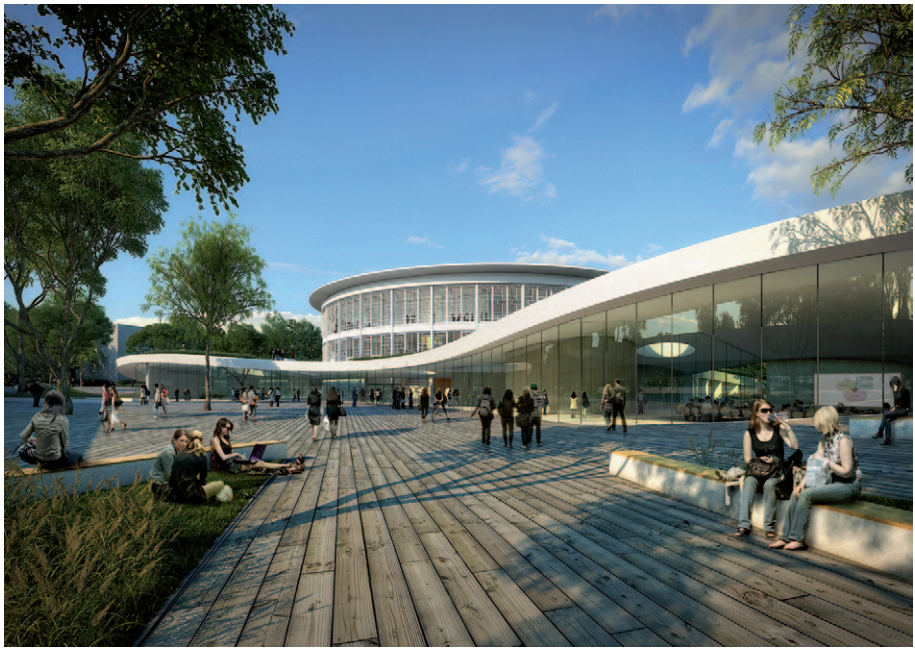
68 2 500 000 EUR [Le bâtiment devant ouvrir fin 2016, l'estimation de mobilier et du matériel se situe entre 2,5 et 3 M EUR]

69 3 700 000 EUR [3,7 M EUR Hors taxes]

70 38 000 000 EUR [38 M EUR]

71 Chiffrage en cours

72 Région 23 M EUR, Etat 2,3 M EUR, Lille Métropole Communauté urbaine 5 M EUR, FEDER 4,7 M EUR



Exterieur © VIZE

Elevation © Cabinet AUER + WEBER + Assoziierte

Coupe_C-C © Cabinet AUER + WEBER + Assoziierte

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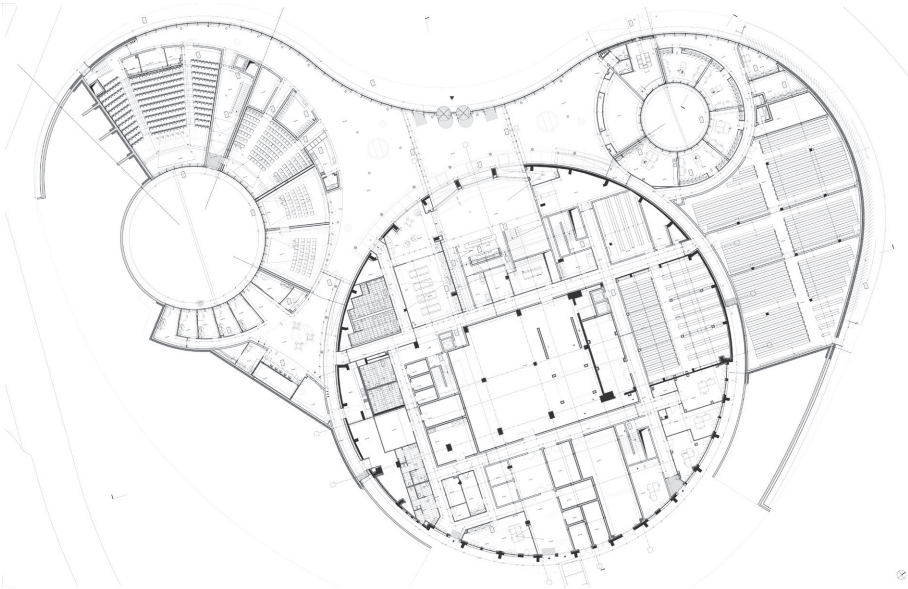
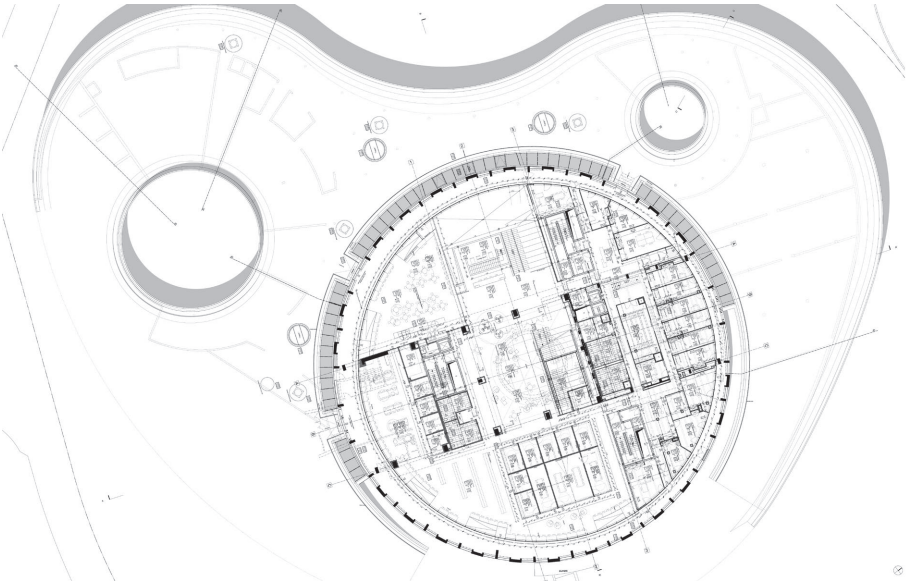
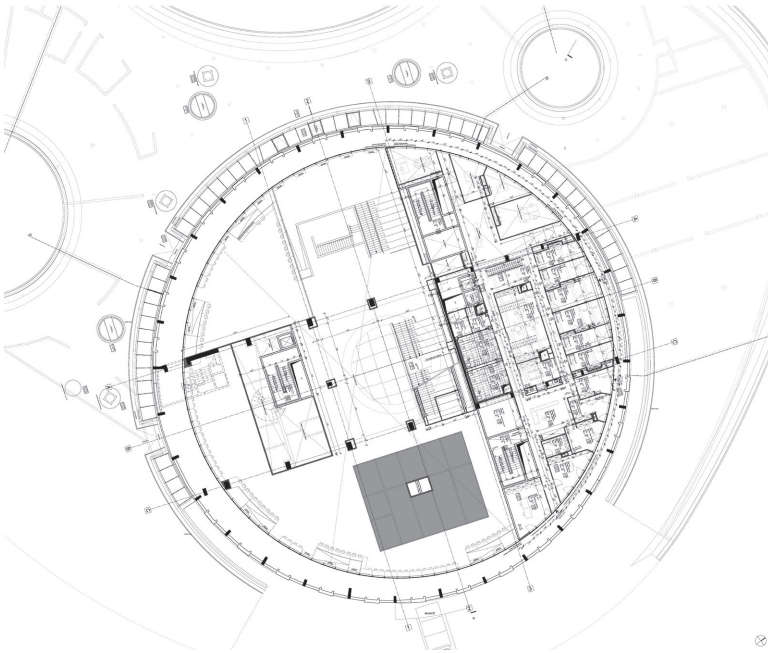


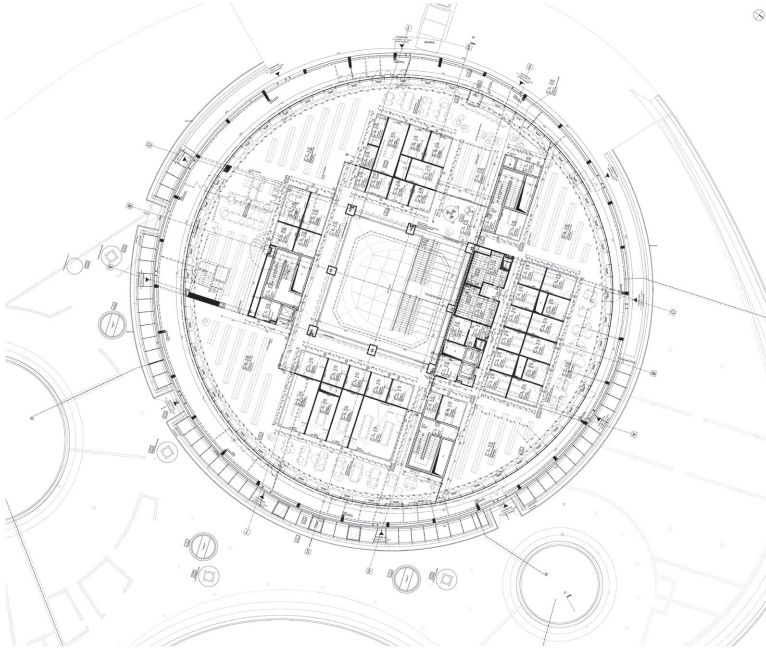
Plan RDC Bas © Cabinet AUER + WEBER + Assoziierte



Plan RDC Haut © Cabinet AUER + WEBER + Assoziierte



Plan R+1 © Cabinet AUER + WEBER + Assoziierte



Plan R+2 © Cabinet AUER + WEBER + Assoziierte

Université Lille 1, Sciences et Technologie. Lille, France

Université de Nice Sophia Antipolis. Nice, France

A Informations générales

a Nom et adresse

1 University [Bibliothèque universitaire]

2 Université de Nice Sophia Antipolis / Bibliothèque de Saint-Jean d'Angély

3 24 avenue des Diables Bleus 06300 Nice (France)

4 T + 33 (0)4 89 88 14 23, et + 33 (0)4 89 88 14 12

5 M. Louis KLEE

6 Mme Dounia THEROND

b Population desservie

7 28 000 [Potentiellement tous les étudiants inscrits à l'université]

8 3 440 [Nombre d'étudiants sur le campus de Saint-Jean d'Angély]

9 18 000 [Potentiellement tous les étudiants de l'université]

10

c Situation de la bibliothèque avant le nouveau projet

11 575 m²

12 166

13 378 m

14 348 m

15 30 m

16 7

17 64 heures par semaine, 256 jours par an

B Le nouveau bâtiment

a Architecte(s)

18 DOTTELONDE et ASSOCIES (PARIS) et ATELIER D'ARCHITECTURE Jean-Marc FESTINO

19 Phine WEEKE DOTTELONDE et Jean-Marc FESTINO

20 New building [Nouveau bâtiment couplé avec la rénovation d'une ancienne caserne destinée à accueillir une Maison des Sciences de l'Homme (MSH).]

b Buts du nouveau bâtiment

21 Extension des horaires d'ouverture à 80 heures à destination de toutes les composantes de l'Université, accueil de la bibliothèque, du laboratoire du CEPAM (Culture et Environnement, Préhistoire, Antiquité, Moyen Age),restructuration du campus et ouverture d'une MSH.

c Caractéristiques

22 Bibliothèque sur un campus ouvert sur la ville, station de tramway en face de l'entrée. Proximité des commerces et d'une cité universitaire. Quartier en rénovation et réhabilitation.

23 Bâtiment rectangulaire (polygone irrégulier), orienté sud/nord, en verre avec une peau terra cotta (couleur de Nice) pour favoriser le rafraîchissement. Air conditionné. Eclairage zénithal orienté vers le nord pour lumière douce avec mur réflecteur de lumière et anti-bruit sur ensemble façade Nord. Intérieur structuré par escalier en bois, avec palier à l'entresol, puis un seul jet. Séparation nette espaces publics / espaces professionnels.

C Informations techniques

a Surface

24 2 898 m²

Divisé en

25 1 450 m² [incluant les salles de travail en groupe]

Salles spéciales pour

26

27 26 m²

28 540 m² [CEPAM, URMIS, LAPCOS, IDERIC]

29 36 m²

Salles pour autres activités

30 33 m² [En mezzanine]

31

32 Distributeurs libre-service dans le hall de la BU et cafétéria CROUS sur le campus ouverte samedi/ dimanche

33 320 m²

34 80 m²

35 840 m²

36 Trois niveaux

37 440

Divisé en

38

39 101 [66 places informatiques individuelles et 35 postes profil public]

40 20

41 374

b Capacité potentielle totale de stockage

42 2 274 m [1342 ml BU + CEPAM 932 ml]

Inclus

43 1 711 m

44 563 m [282 ml BU + CEPAM 281 ml]

45 563 m

46

47 4 500 volumes [4500 cartes en rouleaux du CEPAM]

48 14

c Caractéristiques techniques

49 Ventilation simple flux (bureaux) et double flux (grand volume)

50 Chauffage urbain (sous-station au rez-de-chaussée de la BU)

51

52

53 1 seul ascenseur pour handicapés et personnel

54 Non

55 2 portiques antivol 3M

56

57

58

D Échéancier de réalisation

59 Mise au point du programme en 1988, modifié en 2004

60 Septembre 2004 – 4 février 2005

61 2005 – mi 2007

62 Juillet 2007

63 3 ans

64 2010

65 Janvier 2011

E Coûts

66 Mis à disposition par la ville de Nice

67 7 000 000 EUR [7 M€]

68 350 000 EUR [0,35 M€]

69 Inc lus dans le coût du bâtiment

70 7 350 000 EUR [7,35 M€]

71

72

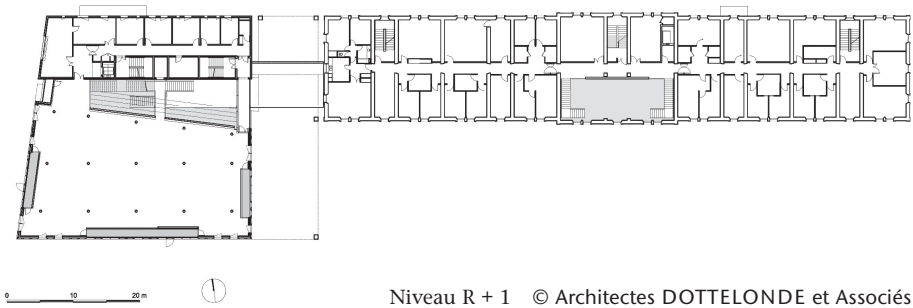
F Publications et récompenses

Label « NoctamBU » attribué en mars 2012 par le ministère de l'Enseignement supérieur et de la recherche

Façade principale de la bibliothèque © DEMAILLY

Grand escalier intérieur © Architectes DOTTELONDE et Associés

Vue intérieure © Université de Nice Sophia Antipolis



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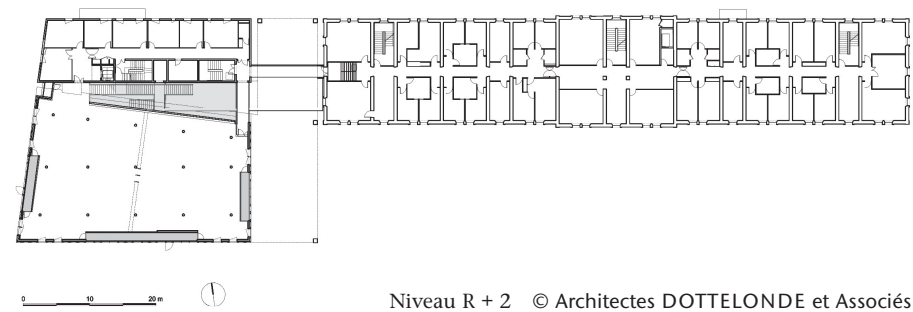

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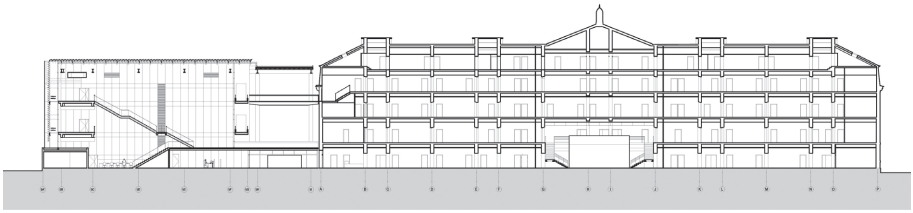
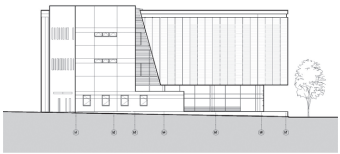
Université de Nice Sophia Antipolis. Nice, France



Coupe longitudinale © Architectes DOTTELONDE et Associés

Façade © Architectes DOTTELONDE et Associés



Façade © Architectes DOTTELONDE et Associés

Bibliothèque interuniversitaire de la Sorbonne. Paris, France

A General information

a Name and address

1 University [Memorandum of understanding between universities : Paris I, Paris III, Paris IV, Paris V, Paris VII]

2 Bibliothèque interuniversitaire de la Sorbonne /
Université Paris I – Panthéon-Sorbonne

3 13, rue de la Sorbonne

4 T 00.33.1.40.46.30.27, F 00.33.1.40.46.30.44;
E administ@bis-sorbonne.fr

5 Philippe MARCEROU

6 Philippe MARCEROU, E philippe.marcerou@bis-sorbonne.fr;
T 01.40.46.30.25

b Population served

7 14 031 [14031 people registered in 2012.]

8 12 022 [3rd year of licence in humanities (cf. memorandum of understanding), master in humanities whatever university, PhD whatever university]

9

10 2 101 [2 101 professors registered in 2012. Assistants, professors and researchers from any higher education and research structure in France and abroad.]

c The old/original building(s) before the new project

11 8 505 m² [property of Paris City Council ; construction: 1885–1902, Henri-Paul Nénot, architect ; opening : December, 29th 1897.]

12 576 [reading rooms: main reading room: 404 seats, serials and periodicals, bibliography, special collections]

13 35 000 m

14 8 000 volumes [bad balance between: open spaces and stacks, collections in open and restricted access]

15 34 500 m [3 stacks: 2 towers of 8 levels each, stacks in 5 main levels underneath the ground level]

16 130 [20 curators and chief librarians, 9 librarians, 25 assistant, 42 library employees, 27 others, 20 temporary staff members]

17 59h / week, 274 days / year

B The new building

a Architect(s)

18 Thierry Algrin / Alain Del Zotto

19 Thierry Algrin / Alain Del Zotto

20 Renovation [2003: security commission, 2005: 1st program (abandonned), 2009: end of program, call for tenders, 2010–2013: works]

b Aims of the new building

21 Security: ventilation, electricity, plumbing, etc.
access to disabled people
refurbishment
cafeteria, training rooms, rooms for groups

c Special Features

22 Location inside the Sorbonne building

23 Rectangular plan
Eiffel steel and concrete structure built by Henri-Paul Nénot (1885–1897)
extension of stacks and first refurbishment: 1930–1932
2nd extension of stacks: 1970–1972

C Technical information

a Floor area

24 8 905 m² [The area available for the library increased a little (+300 m²) after renovation.]

Divided into

25 2 100 m² [4 thematical reading rooms opened, 1 to open, cafeteria, 2 rooms for groups, 1 training room, 1 room for professors]

Special rooms for

26

27

28 404 m² [2 rooms are available: the main reading room for special collections, the Victor-Cousin room (on demand)]

29 121 m² [The training room is easily transformable into a 190 m² room by removing the doors linking training and researchers' room.]

Special activities

30

31 190 m² [Both training room (121 m²) and room for researchers (69 m²) can be converted in rooms for conferences and seminars.]

32 65 m²

33 1 405 m² [One of the former stacks (tower B) has been converted into offices for the personal.]

34 2 829 m² [1 tower (traditional shelving), 3 levels underneath the ground (compact shelving)]

35 2 571 m² [Those spaces offer access to disabled people and allow easy evacuation]

36 19 levels (8+8+3), 2 levels opened to the public

37 502 [reading: 378, groups: 26, researchers: 16, training: 25, microforms: 4, open spaces: 53]

Divided into

38

39

40 25 [The training room can host up to 49 people.]

41 378 [literature and general issues: 266, history: 80, philosophy: 12, special collections: 20]

b Total potential capacity of shelving

42 23 592 m [13 021 m of compact shelvings]

Including

43 45 000 volumes

44 22 892 m [+ 700 m in salle Victor-Cousin]

45 13 021 m [+ 9771 m of traditional shelvings]

46

47

48 130 [same as before: 20 curators, 9 librarians, 25 assistant, 42 library employees, 27 others, 20 temporary staff members]

c Mechanical features

49 Mechanical ventilation, no air conditionning

50 Gaz

51 LED in most of the open spaces
Fluorescent in stacks

52 No special treatment
The windows were changed in two reading rooms

53 7

54 None

55 RFID:
about 15% of the documents stored in Sorbonne are equipped
each document in loan is equipped

56 Not yet, to be planned in 2015

57 6 and 6A type

58

D Schedule of the building process

59 August 2003 – June 2009: 2 projets (2004–2005 and 2006–2009)

60 None, architects selected out of references

61 Thierry Algrin / Alain del Zotto

62 July, 5th 2010 (August, 16th 2010)

63 Foreseen: 26 to 28 months / in fact: 40 months (August 2010 – December 2013)

64 BRUYNZEEL (shelves); SCHLAPPMOBEL (chairs, desks, shelves); YAMAKADO (tables); ARTEMIDE (light); RIVES et DICOSTANZO (movings)

65 November, 15th 2013 (partial opening: November, 5th 2013)

E Costs (including taxes)

66 Property of Paris City Council

67 29 726 000 EUR [Paris City Council (owner): 28 800 000 €
French Ministery for Higher Education and Research (MESR): 926 000 €]

68 2 700 000 EUR [MESR: 2 170 000 €
University Paris I – Panthéon-Sorbonne (Paris I): more than 500 000 €]

69

70 37 500 000 EUR [Paris: 2 880 000 €
MESR: 2 170 000
Paris I: more than 6 000 000 (to be settled), including rentals, movings, etc.]

71

72 Public: 100%

Main courtyard © Lise Hébuterne

Information desk © studio Ballif

Fustel de Coulanges room (ancient and medieval history) © studio Ballif

Ernest Labrousse room (modern and contemporary history) © studio Ballif

Bibliothèque interuniversitaire de la Sorbonne. Paris, France

Special collections room © studio Ballif

Main reading room © studio Ballif

Compact shelves – stacks © Lise Hébuterne

Cafeteria © studio Ballif

Bibliothèque interuniversitaire de la Sorbonne. Paris, France

ULB Stadtmitte – Universitäts- und Landesbibliothek Darmstadt. Darmstadt, Germany

A Allgemeine Information

a Name und Adresse

1 University [Universitätsbibliothek, Landesbibliothek, Wissenschaftliche Universalbibliothek]

2 ULB Stadtmitte – Universitäts- und Landesbibliothek Darmstadt / Technische Universität Darmstadt

3 Magdalenenstraße 8, 64289 Darmstadt

4 T 0049-6151-1676200, F 0049-6151-1676201;
E info@ulb.tu-darmstadt.de

5 Dr. Hans-Georg Nolte-Fischer

6 Wolfgang Vogt, E vogtw@ulb.tu-darmstadt.de

b Publikum

7 73 990 [davon aktiv: 21366 (Quelle: DBS 2012)]

8 25 126 [WS 2012/13]

9 Keine Angabe

10 117 [ULB, Wiss. Personal TU Darmstadt 1056 (Quelle: DBS 2012)]

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 27 270 m²

12 340

13 30 700 m [im Schloß: Offenes Magazin, Lehrbuchsammlung, Lesesaal sowie geschlossene Magazine vom Keller bis zum 7. Obergeschoss]

14 Keine Angabe

15 7 252 m²; 93% des Gesamtbestandes verteilt auf mehrere Standorte (3 876 999 Bde in 2011)

16 117

17 128 Std/Woche, 350 Tage/Jahr (2012)

B Das neue Gebäude

a Architekt(en)

18 Bär Stadelmann Stöcker (BSS) Architekten, Nürnberg

19 Technische Universität Darmstadt, Dezernat V Bau und Immobilien

20 New building [Zusammenlegung dezentraler Bibliotheken mit der Zentralbibliothek, Erweiterung für Bestände und Nutzerarbeitsplätze, die am alten Standort Schloss gefehlt haben.]

b Ziele des Bauprojektes

21 Aufstellung des nutzungsrelevanten Bestandes in Freihand-Aufstellung, mehr als Verdoppelung der Nutzerarbeitsplätze, Schaffung von Einzel- und Gruppenarbeitsräumen, Schaffung von Schulungs- und Besprechungsräumen, Infotheken auf allen Geschossen. Verbesserte Lagerungsbedingungen für den Altbestand.

c Spezielle Merkmale

22 Die neue Bibliothek steht im Zentrum des Campus Innenstadt – zwischen Mensa und dem alten Hauptgebäude der Technischen Universität Darmstadt. Sie ist damit für die universitären Nutzer bestens erreichbar.

23 Das Konzept der Architekten zeichnet sich durch den „Gedanken der Raumbildung, der Vernetzung der Stadträume und Innenräume und den Respekt vor dem heterogenen Umfeld des Standortes aus. Das Erscheinungsbild im Innenbereich ist geprägt von robusten Materialien, wie Sichtmauerwerk und Sichtbeton einerseits und markanten eichenholzverkleideten Oberflächen und der aufwändigen Stahl-Oberlichtkonstruktion über dem Atrium andererseits. Das Atrium bildet mit einer markanten Treppenanlage den optischen Mittelpunkt der Bibliothek, was ein schnelles Erfassen der einzelnen Geschosse und eine gute Orientierung im Gebäude erlaubt und zugleich einen lichtdurchfluteten Innenraum im Herzen der Bibliothek schafft. Von

außen besticht der Neubau durch Klinkerfassaden, welche sich farblich an den Sandsteinfarben der benachbarten Gebäude orientieren.

C Technische Information

a Gesamtfläche

24 36 900 m²

Unterteilt in

25 19 400 m²

Spezielle Räume für

26

27 Keine speziellen Räume, Recherche-PCs sind vor der Bibliothek und in den Fachlesesälen vorhanden

28 477 m² [Sonderlesesaal Handschriften und Musikalien 440 m², EDZ (Europäisches Dokumentationszentrum) 37 m²]

29 1 Schulungsraum mit 30 Sitzplätzen Multimedia-Ausstattung und Schulungs-Notebooks; 1 Besprechungsraum mit 15 Sitzplätzen; 1 Konferenzraum mit 20 Sitzplätzen

Räume für besondere Aktivitäten

30 5 Wandvitrinen und Stellfläche für Standvitrinen in UG1. 1 Altbestandsmagazin als Schaumagazin

31 146 m² [Vortragssaal mit Bestuhlung 122 Personen, alternativ mit 15 Tischen nutzbar. Multimedia-Ausstattung]

32 170 m²

33 Verteilt auf die Geschosse, zugeordnet zu den jeweils fachlich betreuten Beständen (Bibliotheken in der Bibliothek), pro Stockwerk ein Sozialraum.

34 Rollregalanlage in UG2, Feststehende Regale für Sondermagazine Altbestand

35

36 8 Stockwerke insgesamt, davon 5 öffentlich zugänglich, Tiefgarage

37 850

Unterteilt in

38 2 [im Sonderlesesaal Handschriften und Musikalien]

39 30

40 50 [je 30 + 20 Plätze]

41 768

b Gesamtkapazität der Stellfläche für Regale

42 78 000 m

Enthält

43 28 000 m [680 000 Bände]

44 50 000 m [1 500 000 Bände]

45

46

47

48

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49 Vollklimatisierung von geschlossenen Magazinen und Freihand-Magazinen (Fachlesesälen), jeweils angepasste Werte für rel. Feuchte und Temperatur

50 Betonkernaktivierung, Fußbodenheizung, Radiatoren, Klima- und Lüftungsanlagen

51 UV-reduzierte Leuchtstoffröhren, mehrere Schaltgruppen pro Geschoss, teilweise durch einen Helligkeitssensor im Außenbereich gesteuert

52 Besondere Maßnahmen im Bereich von Cafeteria und Garderoben im UG1

53 1 Benutzeraufzug, 2 interne Aufzüge

54 Buchtransportanlage von Ausleihe/Rückgabe in die Magazine/ Freihandlesesäle mit jeweils einem Bahnhof pro Stockwerk.
2 Vertikalaufzüge, kleiner Speicher für Leerbehälter

55 RFID

56

57

58

D Zeitplan des Bauprozesses

59 Frühjahr 2005

60 6/2005 bis 12/2005

61

62 Anfang 2009

63 Ende 2012

64 Herbst 2012

65 12. 11. 2012

E Kosten (incl. Steuern)

66

67

68

69

70 73 800 000 EUR
[http://www.tu-darmstadt.de/vorbeischauen/aktuell/nachrichten_1/neubau_ulb.de.jsp]

71

72 30 000 000 EUR Finanzierungszuschuss vom Land Hessen

F Publikationen und Auszeichnungen

Offenheit und Transparenz – Zwei neue Bibliotheksgebäude für die Technische Universität Darmstadt eröffnet
von Hans-Georg Nolte-Fischer. in: BuB : Forum Bibliothek und Information. Bad Honnef : Bock + Herchen. 65.2013, Heft 9, S. 614–619

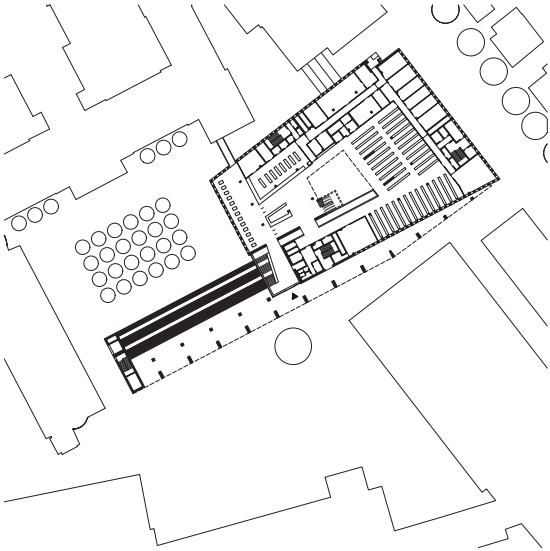
Die neue ULB verfügt auf rund 20.000 m² Nutzfläche Platz für insgesamt 2,2 Millionen Medien © Patrick Bal / TU Darmstadt

Eine große Freitreppe verbindet den oberen Campusplatz und den unteren Lesehof der Universitäts- und Landesbibliothek der TU Darmstadt © Thomas Ott / TU Darmstadt

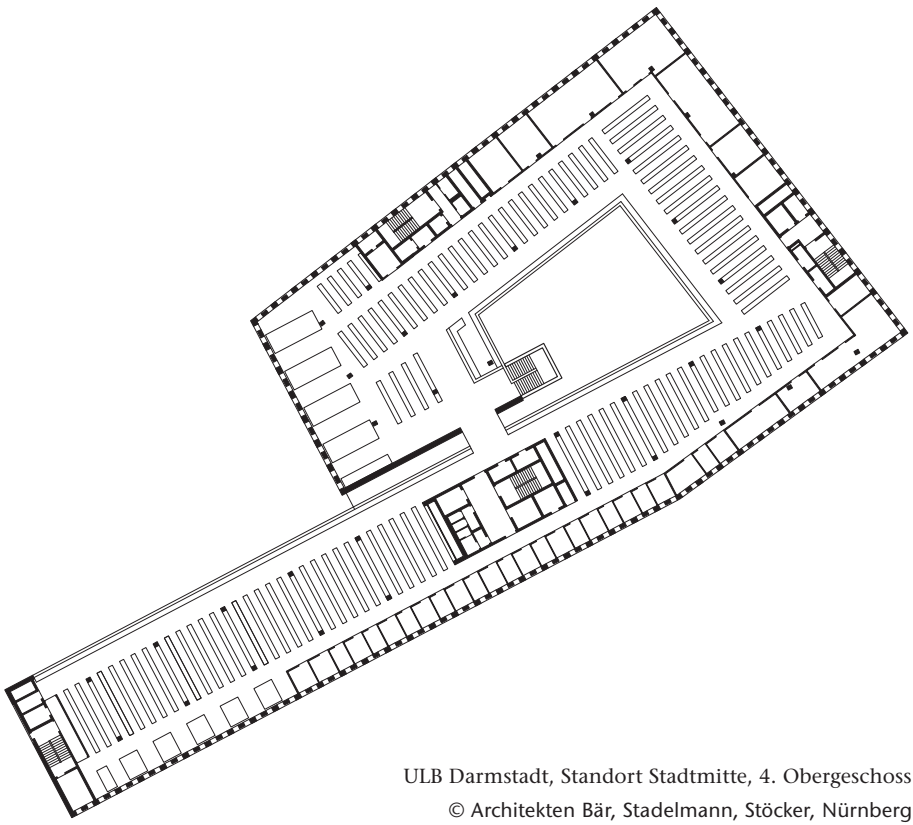
ULB Stadtmitte – Universitäts- und Landesbibliothek Darmstadt. Darmstadt, Germany

Die offene Halle der ULB Darmstadt ist in den oberen Geschossen umgeben von Arbeitsplätzen © Katrin Binner / TU Darmstadt

Die neue ULB Darmstadt bietet den Nutzern rund 700 Lese- und Arbeitsplätze. © Felipe Fernandes / TU Darmstadt

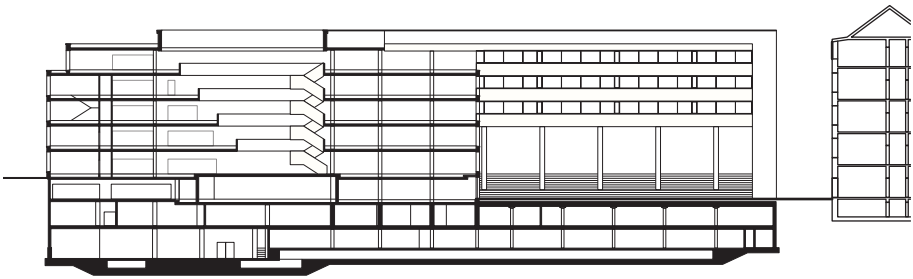


ULB Darmstadt, Standort Stadtmitte, Erdgeschoss © Architekten Bär, Stadelmann, Stöcker, Nürnberg



ULB Darmstadt, Standort Stadtmitte, 4. Obergeschoss © Architekten Bär, Stadelmann, Stöcker, Nürnberg

ULB Stadtmitte – Universitäts- und Landesbibliothek Darmstadt. Darmstadt, Germany



ULB Darmstadt, Standort Stadtmitte, Schnitt
© Architekten Bär, Stadelmann, Stöcker, Nürnberg

ULB Lichtwiese – Universitäts- und Landesbibliothek Darmstadt. Darmstadt, Germany

A Allgemeine Information

a Name und Adresse

1 University [Universitätsbibliothek, Landesbibliothek, Wissenschaftliche Universalbibliothek]

2 ULB Lichtwiese – Universitäts- und Landesbibliothek Darmstadt / Technische Universität Darmstadt

3 Franziska-Braun-Straße 10, 64287 Darmstadt

4 T 0049 6151 16-76400, F 0049 6151 16-76408; E info@ulb.tu-darmstadt.de

5 Dr. Hans-Georg Nolte-Fischer

6 Dr.-Ing. Helge Svenshon, E svenshon@ulb.tu-darmstadt.de

b Publikum

7 73 990 [davon aktiv: 21 366 (Quelle: DBS 2012)]

8 25 126 [WS 2012/13]

9 Keine Angabe

10 117 [ULB, Wiss. Personal TU Darmstadt 1 056 (Quelle: DBS 2012)]

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 Es gab keine Vorgänger-Bibliothek. Die Flächen waren aufgeteilt auf die alte Zentralbibliothek (Schloss), Zweigbibliothek und Dezentrale Bibliotheken.

12 Keine Angabe

13 Keine Angabe

14 Keine Angabe

15 Keine Angabe

16 Keine Angabe

17 Keine Angabe

B Das neue Gebäude

a Architekt(en)

18 Ferdinand Heide, Frankfurt

19 Technische Universität Darmstadt, Dezernat V Bau und Immobilien

20 New building [für ca. 8 000 Studierende]

b Ziele des Bauprojektes

21 Das Hörsaal- und Medienzentrum beherbergt neben der Bibliothek den größten Hörsaal der TU Darmstadt sowie zahlreiche Seminar- und Lernräume. Vom Foyer aus ist die Cafeteria und der AStA-Shop erschlossen. Auf drei Geschossen stellt die Bibliothek über 280 Lese- und Arbeitsplätze, Einzelarbeits- und Gruppenarbeitsräume zur Verfügung. Insgesamt wurden 10 dezentrale Institutsbibliotheken mit Teilbeständen der Zentralbibliothek zusammen geführt und somit die Zugänglichkeit verbessert. Im neuen Gebäude gibt es einen Sonderbereich für die Altbestände aus der Kunstgeschichte und Klassischen Archäologie, sowie eine Mediathek, die den Besuchern auch Schnittarbeitsplätze zur Verfügung stellt.

c Spezielle Merkmale

22 Die neue Bibliothek steht im Zentrum des Campus Lichtwiese – umgeben von Mensa und Fachbereichsgebäuden.

23 Das Hörsaal- und Medienzentrum wurde als kompakter Kubus mit einer Größe von 60 mal 60 mal 19 Metern im Zentrum des Campus Lichtwiese realisiert und dient als Verbindungsglied zwischen den bestehenden Institutsbauten. Das räumliche Konzept sieht zwar eine nahezu vollständige Trennung zwischen Hörsaal- und Bibliotheksbereich vor, doch werden auf einzelnen Geschossen gezielte Verbindungen hergestellt, die eine Zuschaltbarkeit von Seminar- und Lernräumen des Hörsaalbereiches auf einfache Weise ermöglichen.

Beide Funktionen werden über das zentrale Foyer erschlossen, die Erschließungssysteme sind voneinander getrennt, stellen aber stets Blickbeziehungen her.

C Technische Information

a Gesamtfläche

24 5 500 m² [Bibliotheksfläche. Insgesamt hat das Hörsaal- und Medienzentrum ca. 7 500 m² Nutzfläche zuzüglich Neben- und Verkehrsflächen; Bruttogrundfläche: ca. 14 900 m².]

Unterteilt in

25 4 525 m²
[Buch-/Zeitschriftenbestände gesamt (ohne Sonderbereiche): ~ 3 673 m², Einzelarbeitsräume gesamt: ~ 228 m², Gruppenarbeitsräume gesamt: ~ 175 m², Arbeitsplätze sonstige gesamt: ~ 358 m², Ausleihe: ~ 40m², Informationstheken: ~ 51 m²]

Spezielle Räume für

26 82 m² [Mediathek]

27 Ke ine speziellen Räume, Recherche-PCs sind verteilt aufgestellt

28 132 m² [Sonderbereich]

29 72 m² [Schulungsraum]

Räume für besondere Aktivitäten

30

31

32 95 m² [Cafeteria, räumlich getrennt von der Bibliothek, aber innerhalb des Gebäudes über das Foyer zugänglich]

33 647 m² [Büros]

34

35 Keine Angabe

36 UG (bis auf sanitäre Anlagen für die Besucher nicht öffentlich), EG, 1.OG, 2.OG, 3.OG

37 300

Unterteilt in

38 12

39 10

40 24

41 250

b Gesamtkapazität der Stellfläche für Regale

42 13 777 m

Enthält

43 13 777 m

44

45

46 258 m

47 280 m [Sonderbereich]

48 23 [aus der Bibliothek]

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49 Teilklimatisierung im Sonderbereich; Kühlung durch Betonkernaktivierung

50 Warmluftzufuhr, Heizkörper in Büros und Arbeitsräumen

51 Präsenzmeldergesteuerte Leuchtstoffröhren im Regalbereich

52 Schallschutzverglasung zwischen Bibliothek und Hörsaalbereich

53 2 Aufzüge

54 Nicht vorhanden

55 RFID

56

57

58

D Zeitplan des Bauprozesses

59 Frühjahr 2009

60 2009

61 Zwischen 2009 und Anfang 2011

62 01. 03. 2011

63 März 2011 – Mai 2013

64 Anfang Mai 2013

65 27. 05. 2013

E Kosten (incl. Steuern)

66 Keine Angabe

67 Keine Angabe

68 Erstausstattung Hörsaal- und Medienzentrum gesamt

69 Keine Angabe

70 33 700 000 EUR [In vier großen Hörsälen stehen insgesamt 1450 Plätze zur Verfügung. Daten, Fakten, Meinungen, Bildergalerie und Video unter: http://bit.ly/16bA62f]

71

72 Sonderinvestitionsprogramm des Landes Hessen im Rahmen des Hochschulinvestitionsprogramms „HEUREKA“

F Publikationen und Auszeichnungen

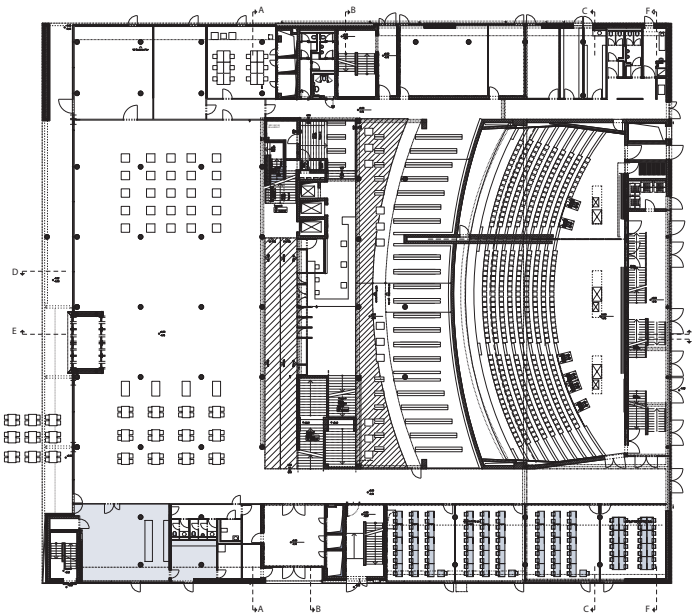
Offenheit und Transparenz – Zwei neue Bibliotheksgebäude für die Technische Universität Darmstadt eröffnet
von Hans-Georg Nolte-Fischer. in: BuB : Forum Bibliothek und Information. Bad Honnef : Bock + Herchen. 65.2013, Heft 9, S. 614–619

Das neue Hörsaal- und Medienzentrum der Technischen Universität Darmstadt auf dem Campus Lichtwiese
von Helge Svenshon. in: ABI-Technik, 33.2013, Heft 3, S.122–132

Das Hörsaal- und Medienzentrum auf dem Campus Lichtwiese der TU Darmstadt
© Thomas Ott / TU Darmstadt

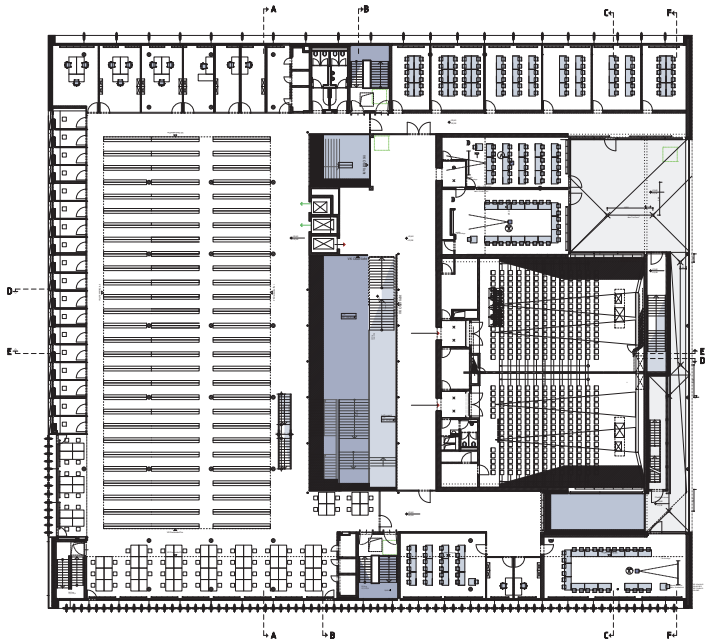
Freihandbereich und Sitzgelegenheiten in der Bibliothek des Hörsaal- und Medienzentrums auf dem Campus Lichtwiese der TU Darmstadt © Thomas Ott / TU Darmstadt

Das HMZ bietet 300 attraktive Arbeitsplätze in der Bibliothek © Thomas Ott / TU Darmstadt

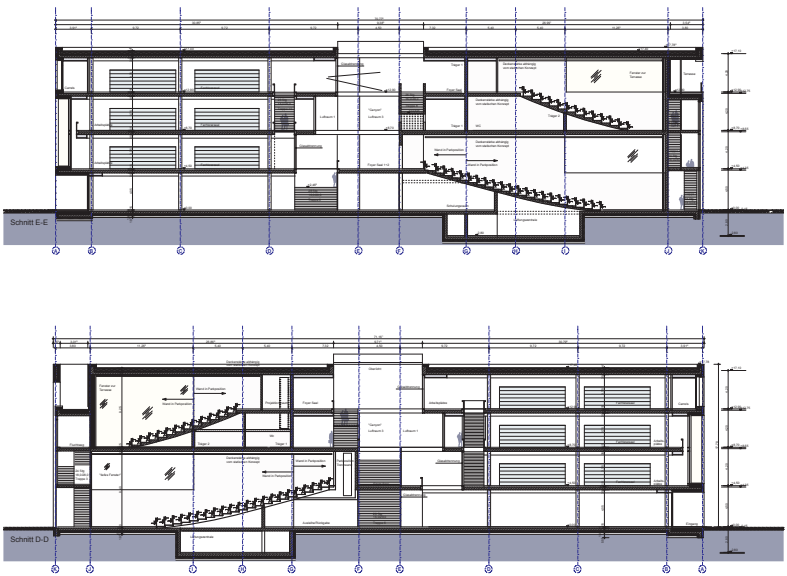


Das Hörsaal- und Medienzentrum, Erdgeschoss © Architekt Ferdinand Heide, Frankfurt

ULB Lichtwiese – Universitäts- und Landesbibliothek Darmstadt. Darmstadt, Germany



Das Hörsaal- und Medienzentrum, 3. Obergeschoss © Architekt Ferdinand Heide, Frankfurt



Das Hörsaal- und Medienzentrum, Schnitt © Architekt Ferdinand Heide, Frankfurt

DNB – Standort Leipzig. Leipzig, Germany

A Allgemeine Information

a Name und Adresse

1 National [Nationalbibliothek, Archivbibliothek]

2 DNB – Standort Leipzig / Deutsche Nationalbibliothek

3 Deutscher Platz 1, 04103 Leipzig

4 T +49 341 2271-0, F +49 341 2271-444; E info-l@dnb.de

5 Generaldirektorin Dr. Elisabeth Niggemann

6 Michael Fernau, E direktion-leipzig@dnb.de (Direktor in Leipzig)

b Publikum

7 9 414 [Standort Leipzig; DNB gesamt: 24 327]

8 Keine Angabe

9 Keine Angabe

10 Keine Angabe

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 62 000 m² [Stand: 1. 1. 2011. Bestand der DNB/Standort Leipzig insgesamt ca. 14,5 Millionen Medieneinheiten]

12 536

13 231 390 m

14 65 300 volumes [= ca. 2 000 lfd. m Regale]

15 100% des Bestandes

16 354

17 Leipzig: 79 Std./Woche, 296 Öffnungstage/Jahr

B Das neue Gebäude

a Architekt(en)

18 Entwurf: Gabriele Göckler; Planung, Realisierung: Arbeitsgemeinschaft „Deutsche Nationalbibliothek“: Gabriele Glöckler/ZSP-Architekten Stuttgart

19 Staatsbetrieb Sächsisches Immobilien- und Baumanagement, Niederlassung Leipzig I

20 Extension [4. Erweiterungsbau sowie Umbau- und Sanierungsmaßnahme: Integration des Deutschen Musikarchivs der DNB, Sanierung des Bücherturms, Erneuerung der Buchtransportanlage]

b Ziele des Bauprojektes

21
- Schaffung von Magazinflächen mit besten konservatorischen
- Bedingungen für die Deutsche Nationalbibliothek,
- Schaffung von Benutzerarbeitsplätzen (neuer Lesesaal), Büros und attraktive Ausstellungsräume für das Deutsche Buch- und Schriftmuseum der Deutschen Nationalbibliothek. Die Konzeption verbindet die Anforderungen zum Bestandsschutz der empfindlichen Materialien mit dem Wunsch nach optimalen Präsentationsmöglichkeiten für die Dauerausstellung und Wechselausstellungen. Durch einen eigenen Eingang am Deutschen Platz werden Besucher und Passanten des Museums direkt angesprochen
- Integration des Deutschen Musikarchivs der Deutschen Nationalbibliothek: Funktionsräume, Magazinfläche, Musiklesesaal mit 20 Arbeitsplätzen in einem der bestehenden Innenhöfe, Tonstudios für die Bearbeitung der Tonträger, Hörkabine.
- energetische Sanierung und Optimierung des Bücherturms

c Spezielle Merkmale

22 Deutscher Platz in Leipzig, Wissenschaftsbezirk Leipzig-Südost

23 Architektonisch eigenständiges, frei geformtes Gebäudeteil, das am Westgiebel des von 1914 bis 1916 errichteten Bibliotheksgebäudes anschließt und zugleich eine Verbindung zum vorhandenen Bücherturm schafft.
„Umschlag – Hülle – Inhalt“ benennt die Architektin das Gebäudekonzept; der Umschlag (Alucobond-Fassade) liegt über der konstruktiven Hülle, der Inhalt sind die Bibliotheksbestände.

Die Fassade ist im Büro- und Ausstellungsbereich voll verglast. Der Musiklesesaal ist als freier Baukörper in einen vorhandenen Innenhof des Altbaus eingestellt.

C Technische Information

a Gesamtfläche

24 14 000 m² [Hauptnutzfläche, davon u.a. Magazinbereiche gesamt 10 600 m². Bruttogeschossfläche 23 000 m²]

Unterteilt in

25

Spezielle Räume für

26 Siehe unter Sondersammlungen

27 Keine Angabe

28 501 m² [Lesesaal für das Deutsche Buch- und Schriftmuseum (250 m²) Lesesaal für das Deutsche Musikarchiv (251 m²)]

29

Räume für besondere Aktivitäten

30 1 350 m² [Deutsches Buch- und Schriftmuseum: Dauer- und Wechselausstellung inkl. Schautresor]

31 229 m² [einschl. Foyer als Teil der Umbaumaßnahme im 2. Obergeschoss des Altbaus]

32

33 856 m² [neue Büroräume für das Deutsche Buch- und Schriftmuseum (434 m²); Umbau Büros und Studios für das Deutsche Musikarchiv (422 m²)]

34 10 600 m² [3 unterirdische und 4 überirdische Magazinetagen]

35 5 833 m² [davon Verkehrsfläche 5 024 m²]

36 9 Etagen, davon 7 Magazinetagen; öffentlicher Bereich: 2 Etagen für Ausstellungen und Lesesaal

37 40 [davon 22 Arbeitsplätze im Museumslesesaal]

Unterteilt in

38 18 [im Musiklesesaal]

39 Keine Angabe

40

41 4 [Arbeitsplätze mit Klaviatur im Musiklesesaal]

b Gesamtkapazität der Stellfläche für Regale

42 136 000 m [in den Magazinen]

Enthält

43 330 m [Musiklesesaal 150 lfd. m, Museumslesesaal 180 lfd. m]

44 136 000 m

45 135 000 m

46 Keine Angabe

47 Enthalten in Nr. 44

48 3 [Gebäude: 2 Betriebstechniker, 1 Hausmeister; Buchmuseum und Musikarchiv ?]

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49 Kombinierte Lüftungs- und Entrauchungsanlage, automatische Klimatisierung aller Magazinräume und Lesesäle, Teilklimatisierung von Büroräumen

50 Geothermie-Nutzung über 48 Erdwärmesonden in einer Tiefe von 124 m und 5 952 Bohrmeter

51 Bestandsschonende Beleuchtung in den Ausstellungsvitrinen durch Lichtleitkabel / LED-Beleuchtung

52 Keine Angabe

53 2 Lastenaufzüge, 2 Personenaufzüge (barrierefrei)

54 Automatische Bandförderanlage (sowohl im neu errichteten Gebäudeteil als auch in den bestehenden Gebäudeteilen) 770 m Länge, 45 Stationen

55 Elektronische Zugangssicherung an allen Türen zum Magazin, Mediensicherung durch Magnetstreifen in allen Freihandbeständen

56 Gebäude- und Gewerke übergreifende Überwachung und Bedienung von techn. Abläufen im Gesamtkomplex Nationalbibliothek Leipzig

57 CAT 7

58 Spiegelverglasung mit Schadlichtfilterung

D Zeitplan des Bauprozesses

59 7/2001 Bedarfsbeschreibung/ Bauantrag

60 6–11/2002 offener, zweiphasiger baulicher Realisierungswettbewerb mit 209 Teilnehmern

61 Vorplanung 2006, ab 2007 Ausführungsplanung und Realisierung

62 1/2007

63 Bis 5/2011

64 Ab 6/2010

65 09. 05. 2011

E Kosten (incl. Steuern)

66 Erhöhte Ausnutzung des vorhandenen Grundstücks

67 Keine Angabe

68 Keine Angabe

69 Keine Angabe

70 59 125 000 EUR

71 Keine Angabe

72 Finanzierung durch die Bundesrepublik Deutschland

F Publikationen und Auszeichnungen

Ein neues Haus der Bücher: Architekturwettbewerb zum 4. Erweiterungsbau der Deutschen Bücherei Leipzig

Hrsg. Die Deutsche Bibliothek. Red. Kathrin Ansorge. Berlin : Jovis, 2004.
ISBN: 978-3-936314-09-0

Umschlag. Hülle. Inhalt: Erweiterung Deutsche Nationalbibliothek in Leipzig

Hrsg. Landesamt für Steuern und Finanzen des Freistaates Sachsen, Deutsche Nationalbibliothek. Mit Textbeiträgen von Dieter Bartetzko, Gabriele Glöckler, Elisabeth Niggemann u.a., Fotografien von Maix Mayer u.a. Ostfildern: Hatje Cantz Verlag, 2011.
ISBN 978-3-7757-2763-1

Architekturpreis der Stadt Leipzig 2011

http://www.leipzig.de/bauen-und-wohnen/stadtentwicklung/staedtebauliche-wettbewerbe-und-preise/architekturpreis/architekturpreis-preistraeger/

Teilnahme an der IX. Internationale São Paulo Architecture Biennal im Rahmen der Ausstellung 'Baukultur made in Germany'

Ausstellung von 20 nationalen wie internationalen Projekte deutscher Architekten und Ingenieure. 1. Nov — 4. Dezember 2011.
http://www.baukultur-made-in-germany.de/index.php/de/

German National Library exterior © punctum Fotografie

Freitreppe im Deutschen Buch- und Schriftmuseum © punctum Fotografie

Museumslesesaal im Deutschen Buch-und Schriftmuseum © Jürgen Kunstmann

DNB – Standort Leipzig. Leipzig, Germany

Magazin im Deutschen Buch- und Schriftmuseum © Max Mayer

Ausstellungsbereich des Deutschen Buch- und Schriftmuseums © Stefan Jockel

Stadtbibliothek am Mailänder Platz, Stuttgart. Stuttgart, Germany

A Allgemeine Information

a Name und Adresse

1 Public

2 Stadtbibliothek am Mailänder Platz, Stuttgart / Landeshauptstadt Stuttgart, Kulturamt, Stadtbibliothek Stuttgart

3 Mailänder Platz 1, 70173 Stuttgart

4 T 0711 216 96500, F 0711 216 96507; E stadtbibliothek@stuttgart.de

5 Christine Brunner

6 Christine Brunner, E christine.brunner@stuttgart.de; T 0711 216 96500 (Telefon-Nummer Sekretariat)

b Publikum

7 1 198 900 [Zahl der Besucherinnen und Besucher 2013. Die Nutzung der Bibliothek ist auch ohne Bibliotheksausweis möglich.]

8

9

10

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11

12

13

14

15

16

17 51 Stunden pro Woche, 304 Tage im Jahr

B Das neue Gebäude

a Architekt(en)

18 Yi Architects

19 Landeshauptstadt Stuttgart, Technisches Referat, Hochbauamt

20 New building

b Ziele des Bauprojektes

21 Die neue Stadtbibliothek ist ein Ort der Begegnung, des Lernens, ein Ort zum Verweilen und Flanieren.

Sie verfügt über doppelt so viel Fläche wie die alte Zentralbibliothek und somit über mehr Medien, mehr Arbeitsplätze und eine hochmoderne Bibliothekstechnik.

c Spezielle Merkmale

22 Umfeld: Europaviertel zwischen dem südlich gelegenen Hauptbahnhof und der nördlich angrenzenden Heilbronner Straße. Im Umfeld entsteht u.a. ein großes Einkausfzentrum, Hotels, Wohnungen und die Sparkassenakademie.

23 Von außen ist das Gebäude ein kristalliner Kubus aus Glausbausteinen und Beton.

Im Inneren erstreckt sich ein zentraler kontemplativer Raum, genannt HERZ, über die ersten 4 Stockwerke. Vom 4. bis 8. Obergeschoss öffnet sich der Galeriesaal trichterförmig nach oben. Er gilt als Hommage an die Schöne Literatur.

In den Außenbereichen von Herz und Galeriesaal sind zahlreiche Arbeits- und Rechercheplätze und die Medien.

Die Umgänge in der Fassade können auch als Balkone genutzt werden. Erdwärmesonden und Solarzellen auf der Dachterrasse reduzieren die Unterhaltskosten.

C Technische Information

a Gesamtfläche

24 20 225 m² [Bruttogrundfläche]

Unterteilt in

25 11 525 m² [Programmfläche]

Spezielle Räume für

26 Kein extra Bereich. AV-Medien stehen bei den Büchern, Zeitschriften etc.

27 Im Skriptorium befinden sich 10 fest installierte Arbeitsplätze für die Internetrecherche und für Office-Anwendungen.

28 Graphothek im 8. OG mit rund 2 500 Graphiken

29 6 Gruppenräume mit Beamer und Leinwand, Klangstudio mit Kompositions- und Digitalisierungssoftware, Werkstatt (Kinderbibliothek), Showroom für Workshops Digitale Lesekompetenz

Räume für besondere Aktivitäten

30 16 Großbildschirme für digitale Kunst

31 330 m² [Max-Bense-Forum für 300 Personen]

32 131 m² [Café Lesbar für max. 50 Personen]

33

34

35

36 9 Obergeschosse und 1 Untergeschoss sind öffentlich, 2. Untergeschoss nicht öffentlich

37

Unterteilt in

38 9 [3 Plätze für die Online Animation Library (Trickfilmdatenbank), 6 BlueRay-Plätze]

39 140 [140 mobile und fest installierte PC-Arbeitsplätze]

40

41

b Gesamtkapazität der Stellfläche für Regale

42 523 046 m [Medien (Bücher, Zeitschriften, Tonträger, Filme...)]

Enthält

43

44

45

46

47

48 100 [150 Mitarbeiter auf 100 Vollzeitstellen]

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49

50

51

52

53

54 MK Sorting Systems, Swisslog

55

56

57

58

D Zeitplan des Bauprozesses

59 1998

60 1999

61 2008

62 2008

63 3 Jahre

64 September, Oktober 2011

65 24. 10. 2011

E Kosten (incl. Steuern)

66

67 79 000 000 EUR

68 4 200 000 EUR

69

70

71

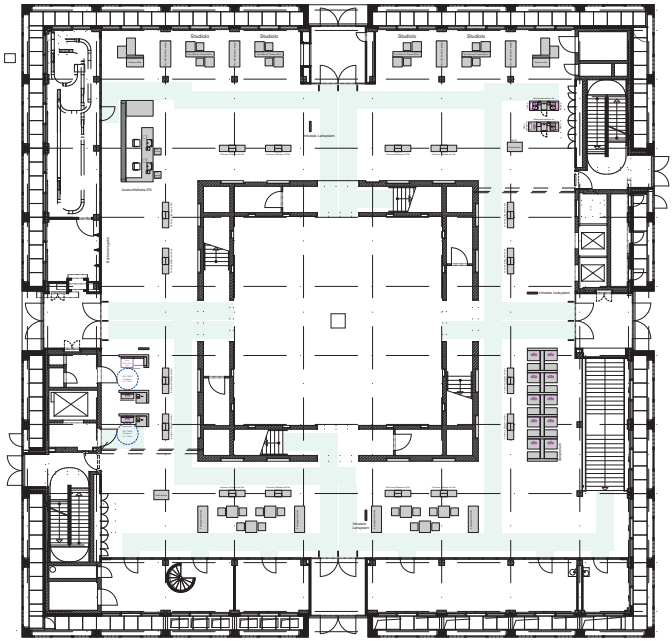
72 Public (Landeshauptstadt Stuttart)

Außenansicht Stadtbibliothek Stuttgart © Martin Lorenz

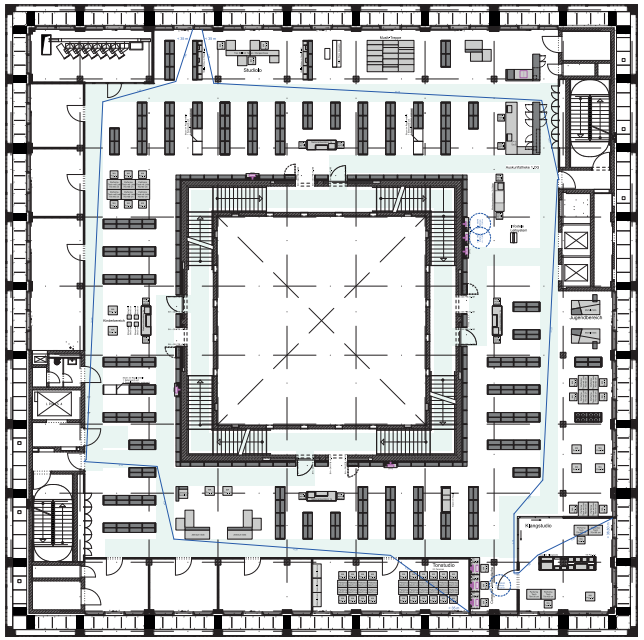
Stadtbibliothek am Mailänder Platz, Stuttgart. Stuttgart, Germany

Galeriesaal der Stadtbibliothek Stuttgart © Martin Lorenz

Erdgeschoss Stadtbibliothek Stuttgart © Martin Lorenz

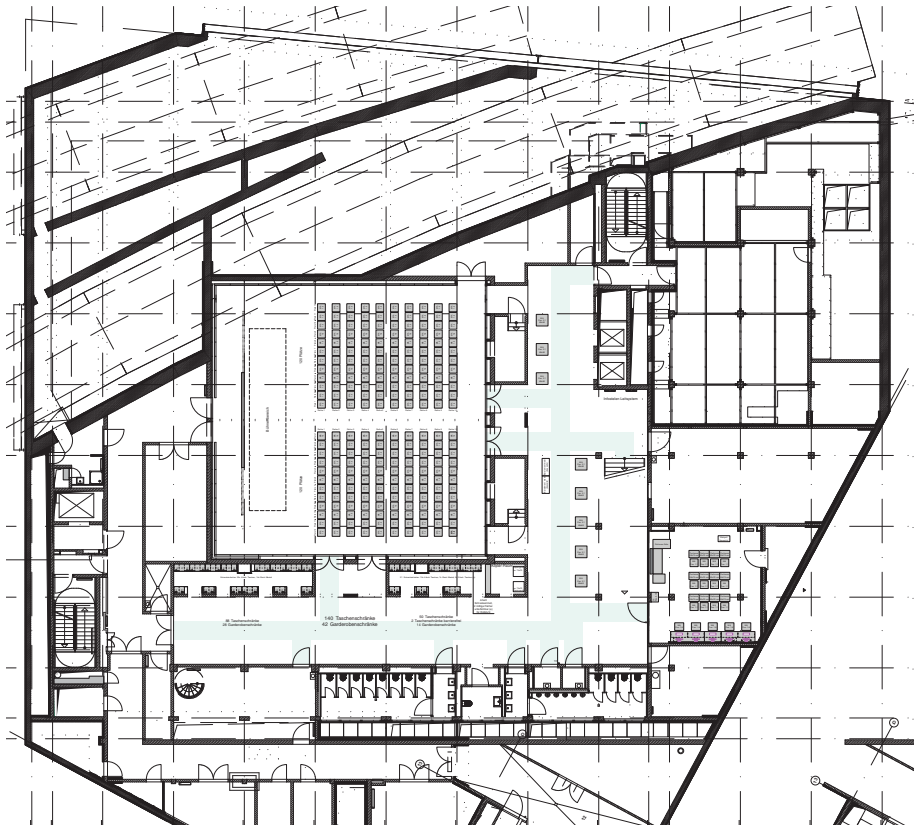


Grundriss Erdgeschoss © Yi Architects Köln/Seoul



Grundriss 1. Obergeschoss © Yi Architects Köln/Seoul

Stadtbibliothek am Mailänder Platz, Stuttgart. Stuttgart, Germany



Grundriss 1. Untergeschoss © Yi Architects Köln/Seoul

National Library of Latvia. Riga, Latvia

A General information

a Name and address

1 National

2 National Library of Latvia / Ministry of Culture of the Republic of Latvia

3 3 Mukusalas St., Riga, Latvia LV-1048

4 T +371 67365250; E lnb@lnb.lv

5 Andris Vilks

6 Nita Apsite

b Population served

7 100 200

8

9

10

c The old/original building(s) before the new project

11 16 749 m²

12 260

13 2 822 330 volumes [2.8 million vol. books/periodicals, 1.3 million other (2012). Located in 6 buildings, exhausted shelving space in several departments.]

14 1 145 m

15

16 254

17 39 hours/week; 250 days/year

B The new building

a Architect(s)

18 Gunnar Birkerts Architects; Modra Gelza Birojs; Gelzis-Smits-Arhetips; Hill Interanational.

19 Gunnar Birkerts

20 New building

b Aims of the new building

21 Six buildings under one roof, more space for readers, individual and group study rooms, dining and other amenities, barrier-free environment for disabled, increased shelving space, incl. open stacks, environment more suitable for material preservation, new ICT and audiovisual equipment, conference, seminar, exhibition facilities.

c Special Features

22 Situated on a river bank, facing the historical city centre.

23 The building references several Latvian folklore and literary archetypes – the mythical palace that embodies knowledge and freedom, the glass mountain that symbolizes the hardships one has to overcome to reach his goal, and the shape of the traditional barn architecture. Separate technical building.

C Technical information

a Floor area

24 40 704 m²

Divided into

25 10 271 m²

Special rooms for

26 554 m²

27

28

29 300 m²

Special activities

30 1 098 m² [Incl. Book museum 265 m²]

31 1 519 m² [Conference and concert hall („Ziedonis hall") – 731 m²; convertible conference/seminar rooms – 788 m²]

32 1 148 m² [Caffes and dining – 989 m²; retail services – 159 m²]

33 7 832 m²

34 5 004 m²

35 3 168 m²

36 14 levels; 11 public levels; reading rooms in 8 levels.

37 1 000

Divided into

38 54

39 330 [Stationary computers.]

40 110 [6 rooms (6–16 pers.).]

41 300 [Seats in silent areas.]

b Total potential capacity of shelving

42 65 000 000 volumes

Including

43 350 000 volumes

44 64 650 000 volumes [Incl. compact shelving.]

45

46 170 000 volumes

47 Maps and globes 20 000 items; sheet music 300 000 folders; small prints 1 million items; manuscripts 50 000 items.

48 351

c Mechanical features

49 According to standard requirements.

50 According to standard requirements.

51 According to standard requirements.

52 The Conference and concert hall is equipped with a transformable acoustic system suitable for conferences, live music, and film viewing.

53 Lifts, escalators.

54 Vertical by lifts.

55 RFID system.

56

57 10 Gb Internet; 1 Gb cat. 6 LAN and WiFi

58

D Schedule of the building process

59 1998–2003

60 1998

61

62 June 2008

63 December 2013

64 January 1014 – August 2014

65 August 29, 2014

E Costs (including taxes)

66 8 822 000 EUR [Incl. compensations to owners and occupiers.]

67 197 780 000 EUR

68 17 216 000 EUR

69

70 267 500 000 EUR

71

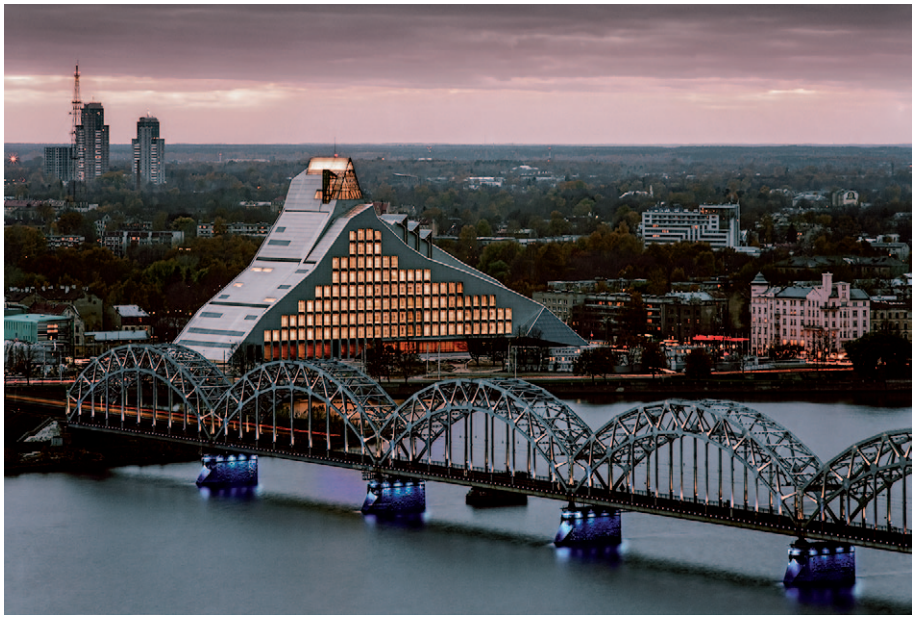
72 State

F Publications & Awards

Nomination for the AIA Gold Medal 2013

A documentary

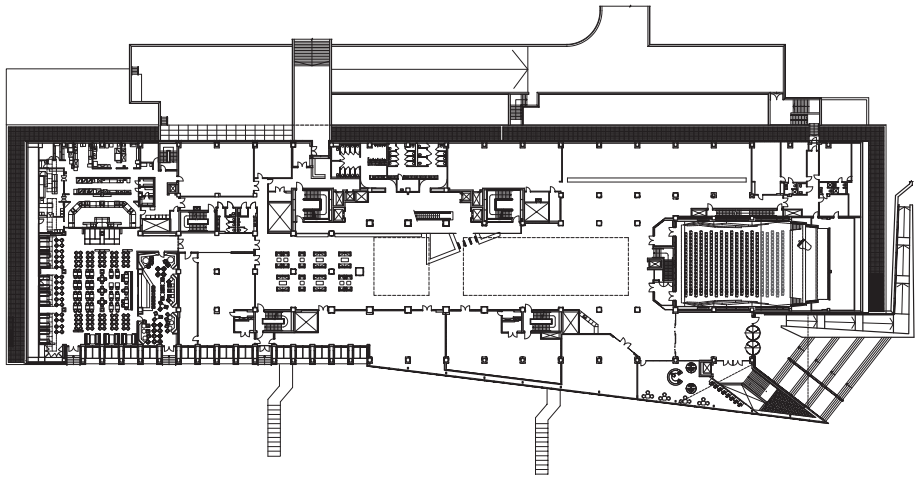
The Chronicles of the Last Temple. Dir. Davis Simanis. Ego Media, 2013. Film, 70 min.



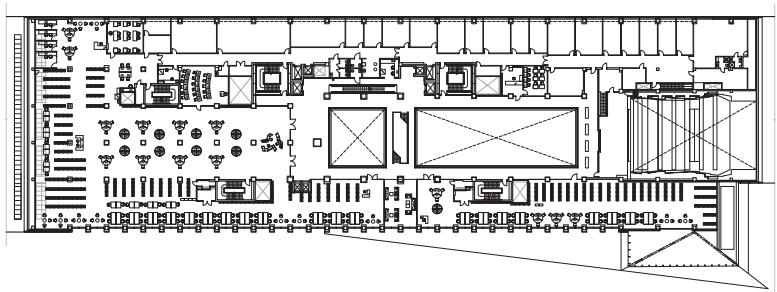
Principal Facade © Nacionālā Būvkompāniju apvienība

Entrance Hall © Jānis Dripe

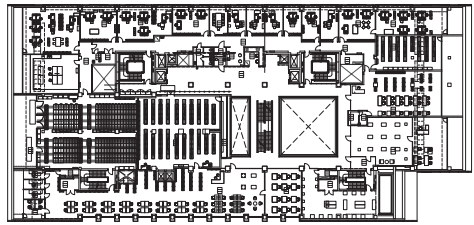
National Library of Latvia. Riga, Latvia



Ground Floor © National Library of Latvia



Mezzanine © National Library of Latvia



5th Floor © National Library of Latvia

Vilnius University Library, Scholarly Communication and Information Centre (SCIC). Vilnius, Lithuania

A General information

a Name and address

1 University

2 Vilnius University Library, Scholarly Communication and Information Centre (SCIC) / Vilnius University

3 Saulėtekis av. 5, Vilnius, Lithuania, LT-01122

4 T (8 5) 268 7100, F (8 5) 268 7104; E mb@mb.vu.lt

5 Irena Krivienė

6 Indrė Zalieskienė, E indre.zalieskiene@mb.vu.lt; T (8 5) 268 7133 (Ramunė Gedvilaitė, ramune.gedvilaite@mb.vu.lt)

b Population served

7 27 779 [SCIC and Central Library, 2012]

8 21 819

9 520

10 3 761

c The old/original building(s) before the new project

11 24 440 m²

12 934 [in 2012]

13 3 034 000 volumes

14 208 000 volumes

15 2 826 000 volumes

16 147

17 Reading rooms are open on working days from 9 am to 9 pm and on Saturdays.

B The new building

a Architect(s)

18 R. Palekas ARCH studija, http://www.palekas.lt/

19 Rolandas Palekas

20 New building

b Aims of the new building

21 The main purpose of the library is to implement the following principles: functionality, openness, flexibility, rationality, aesthetics and to be a multifunctional library, which carries out communication, information, social and cultural functions. In order to implement this goal the library undertook the following tasks:

- To provide more holdings in open stacks
- To provide space for learning, teaching and studying (seminars rooms, conference hall, individual and group work rooms, including spaces for rest)
- To offer more technical opportunities to work with special IT programs and equipment (IT laboratory, 3D printers and scanners, multifunctional machines)
- To provide modern services to readers (using RFID based books transportation system)
- To serve Sunrise Valley science, studies and business communities
- To provide 24/7 services.

In order to fulfill these tasks, the library needs a modern infrastructure of information and communication, which would help to sustain the integrity of scientific research and studies, promote research cooperation and bridge the divide between business and institutions of studies and research.

The SCIC is a modern and advanced centre of knowledge and information, providing information resources, services and programmes of high quality and wide-ranging variety, with inspiring and motivating physical and virtual environment for users.

c Special Features

22 The library is a part of the integrated science and studies Saulėtekis Valley. The building is close to the faculties of VU, Technical University, shortly to be built research centres.

23 The new library building consists of three blocks joined by a common basement. The constructions are of 3, 4 and 5 floors high not counting the basement which is interconnected with all the blocks of the center. 2 floors analogical to the basement's area are underground: one technical floor and one book storage floor. The access to the library is fully adapted to disabled people.

The great blocks are assigned to the users and supplied with conference and exhibitions halls, reading rooms, cabins for individual work, rooms for group work and workshops. The first floor with central circulation space includes the anteroom, recreation zones and an open-air terrace as well. The minor block serves for administrative purposes.

Next to the entrance to the library amphitheater-plaza is welcoming a visitor. A glazed entrance hall is a continuation of the plaza space. The same as the outside, it has concrete floor and terracotta facades. Reading rooms are located on several floors which are connected by an atrium, focusing the view to the forest. Two glazed facades face the wood and illuminate the trees at night. At the daytime, the trees are sunlit and become a visual part of the interior.

The spaces are diverse and easily transformed. In the interior, white color dominates and exposes books as well as people.

The facades are arranged so that all joints and gaps are horizontal and run paralelly around the building despite different angles of leaned surfaces. When moving around the building, scenery changes unpredictably: silhouettes cover one another in different shapes.

C Technical information

a Floor area

24 1 404 360 m²

Divided into

25 5 060 m²

Special rooms for

26 58 m²

27 150 m² [Seminar rooms with computers, IT laboratory, a room for 3D printing service, special needs laboratory, etc.]

28

29 404 m² [Group study rooms (5), seminar rooms (6), individual study rooms (37).]

Special activities

30 150 m² [Including spaces designated for other purposes.]

31 459 m² [Conference Hall (the possibility to divide to 3 different areas); Hall for Events (C block).]

32 155 m² [Cafe]

33 700 m²

34 2 652 m² [Book storage]

35 4 300 m² [Including technical floor, plaza of the library, terrace.]

36 A block – 5 levels, B block – 4 levels (both blocks are designated to the public); C block (for administration) – 3 levels. Underground – 2 floors.

37 1 060

Divided into

38 8 [IT laboratory]

39 165 [Including computers in seminars and individual rooms.]

40 468 [Seminar rooms – 103, Group study rooms – 25, Conference Hall – 250, Hall for Events – 90 seats]

41 525

b Total potential capacity of shelving

42 2 100 000 volumes

Including

43 300 000 volumes

44 1 800 000 volumes

45 12 232 m

46

47

48 60

c Mechanical features

49 VRV "variable refrigerant volume" system. Climate control system in the depository.

50 District heating + VRV "variable refrigerant volume" system.

51 LED Lighting. Energy-saving fluorescent lamps and halogen lighting.

52 Acoustic gypsum board in the reading rooms, individual work spaces, classrooms and Conference hall.

53 4 public lifts and 2 lifts for the staff use.

54 Equipment (self-issue and self-return machines, books elevator, books sorter, 45 books containers, rails, transportation stations, switches) based on RFID technologies.

55 Integrated security management and access control systems. RFID tags for books in open stacks, video cameras.

56 Heating, ventilation and air-conditioning, electric power control, fire alarm system, etc.

57 Gigabit ethernet; multimode fibre SFP; STP Cat6; H3C/HP switches; 56 pcs. HP wireless AP with Access controller; 802.11 a/b/g/n.

58 High-pressure water mist fire suppression system, diesel generator.

D Schedule of the building process

59 A technical project prepared in 2004–2006, has been corrected in 2009

60 2004

61 3 years

62 2010

63 2012

64 End of 2012

65 2. 6. 2013

E Costs (including taxes)

66

67 24 000 000 EUR [82 000 000 (Lt)]

68 5 200 000 EUR [18 000 000 (Lt)]

69 Included to 68 and 69

70 29 200 000 EUR [100 000 000 (Lt)]

71 Accurate data will be gathered in the end of the first year of work.

72 Public

F Publications & Awards

Delfi.lt – „IT+“: MKIC – inovatyviausia Lietuvos biblioteka (2013.08.05)

Bibliotekų revoliucija http://apzvalga.eu/biblioteku-revoliucija.html

archdaily.com – Vilnius University Library, Science Communication and Information Center / Paleko Arch Studija

lzinios.lt – Bibliotekoje – naktinėjantys skaitytojai (Foto) (2013.03.02)

e-architect.co.uk – Vilnius University Library: Lithuanian Architecture (2013.02.25)

issuu.com – Vilnius 1900-2012. A Guide to the City's Architecture

bernardinai.lt – Ernestas Parulskis. Apie naująją biblioteką (2013.02.11)

Vakaro žinios – Didžiausia biblioteka Lietuvoje jau pasiruošusi priimti pirmuosius skaitytojus (2013.02.09)

Panevėžio rytas – Didžiausia biblioteka nebijos nei tamsos, nei liepsnos (2013.02.07)

bernardinai.lt – Moderniausia Lietuvoje biblioteka dirbs „24/7“ (2013.02.07)

Lietuve.lt – Moderni VU biblioteka – pažangios šalies ženklas (2013.02.07)

Lietuvos aidas – Naujajame VU bibliotekos pastate bus laukiami ir tėveliai su vaikais (2013.02.06)

Bernardinai.lt – Vilniuje atidarytas visą parą veiksiantis VU bibliotekos Mokslinės komunikacijos ir informacijos centras (2013.02.06)

naujienos.vu.lt – Mokslinės komunikacijos ir informacijos centro atidarymas: svajonė tapo realybe (2013.02.06)

lrytas.lt – Nauja biblioteka gali įvilioti į pušyną ir nepaleisti visą parą (2013.02.06)

Vilniaus diena – Dovana šiandien – ateities biblioteka (2013.02.01)

Vakaro žinios – Senoji Alma Mater – nauju rūbu (2013.01.30)

Vilnius University Library. 2012. Vilnius University Library: National Open Access Scholarly Communication and Information Centre. Vilnius: Kriventa

lrytas.lt – Biblioteka: įkvėpimo ir bendravimo namai (2012.12.24)

lzinios.lt – Šviesi biblioteka gamtos prieglobstyje (2012.12.18)

Veidas – Rolandas Palekas: „Galima turėti moderniausių pastatų, bet miestas bus negyvas“ (2012.11.26)

vilnius.lt – 5 architektų darbai keliauja į „Mies van der Rohe“ apdovanojimų konkursą (2012.11.14)

lrytas.lt – Geriausia architektūra Lietuvoje – šiuolaikiška ir provokuojanti (2012.11.08)

BNS.lt – Veržlūs kūrybiniai ieškojimai minint VU bibliotekos 442 m. sukaktį (2012.10.16)

Exterus.lt – „Vokiečiai NBK Ceramic VU biblioteką paskelbė metų objektu“

Veidas – Kurie universitetai naujus mokslo metus pasitinka labiausiai atsinaujinę (2012.08.27)

Delfi.lt – D. Jacobs: bibliotekos niekada nebuvo tokios gyvos, kokios yra šiandien (2012.06.16)

esparama.lt – Nacionalinis atviros prieigos mokslinės komunikacijos ir informacijos centras – vieta, kur idėjos virsta realybe (2012.05.21)

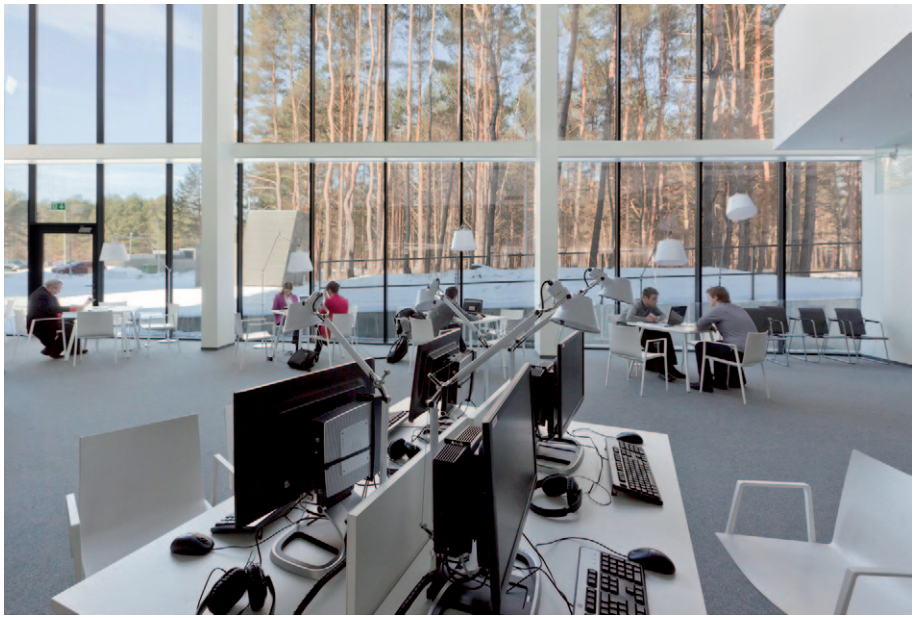
Lrytas.lt – Knygos moderniausioje šalies bibliotekoje pas lankytojus atkeliaus pačios (2012.05.11)

Exterus.lt – Vieta, kur idėjos virsta realybe – naujoji Vilniaus universiteto biblioteka (MKIC) (2012.05).

Vilnius University Library, Scholarly Communication and Information Centre (Photo: Paleko Arch Studija) © R. Palekas

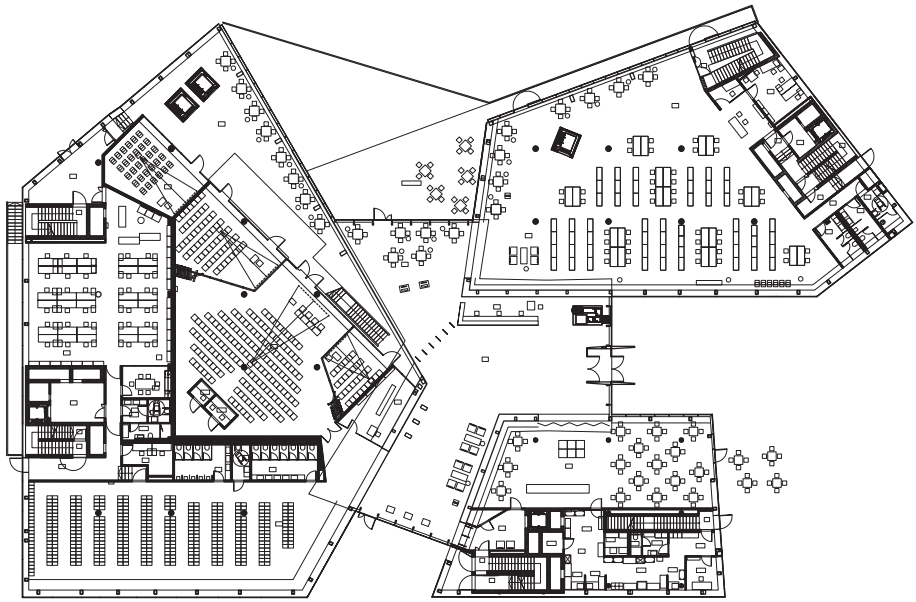
Hall inside the library (Photo: Paleko Arch Studija) © R. Palekas

Reading room (Photo: Mantas Pelakauskas) © VU library

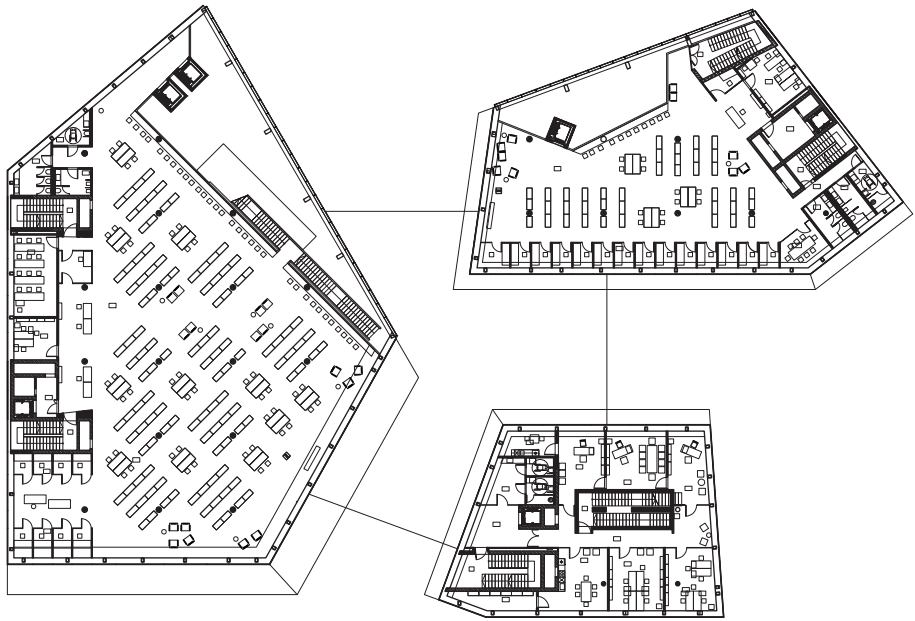


Reading room (Photo: Paleko Arch Studija) © VU library

Vilnius University Library, Scholarly Communication and Information Centre (SCIC). Vilnius, Lithuania



First floor of SCIC (Paleko Arch Studija) © R. Palekas



Second floor, SCIC (Paleko Arch Studija) © R. Palekas

Bibliothèque de l'Université du Luxembourg (BUL). Luxembourg, Luxembourg

A Informations générales

a Nom et adresse

1 University

2 Bibliothèque de l'Université du Luxembourg (BUL) / Université du Luxembourg

3 Avenue de la Faiencerie 162a L-1511 Luxembourg

4 E bibliotheque@uni.lu

5 Marie-Pierre Pausch-Antoine

6 Secrétariat – Jeannine Fontaine / Danijela Cubrilo,
E marie-pierre.pausch@uni.lu; T 00352-4666446253

b Population desservie

7 10 237 [(chiffres décembre 2012) (+8,8% par rapport à 2011, +36,3% par rapport à 2008)]

8 5 260 [(Chiffres semestre 2012/2013 – rapport annuel 2012)]

9 1 028 [+ 222 auditeurs libres (Chiffres semestre 2012/2013 – rapport annuel 2012)]

10 1 187 [ETP (chiffres rapport annuel 2012)]

c Situation de la bibliothèque avant le nouveau projet

11 3 500 m² [pour 4 bibliothèques réparties sur 3 campus]

12 195 [(chiffres décembre 2012)]

13 7 373 m [pour 4 bibliothèques réparties sur 3 campus et 7 magasins (Chiffres décembre 2013)]

14 3 917 m [pour 4 bibliothèques réparties sur 3 campus (Chiffres décembre 2013)]

15 3 456 m [7 magasins (Chiffres décembre 2013)]

16 22 [ETP (chiffres décembre 2012 – rapport annuel 2012)]

17 50 heures /semaine – 225 jours par an (en 2013 – uniquement Bibliothèque principale du Limpertsberg)

B Le nouveau bâtiment

a Architecte(s)

18 VALENTINY hvp architects – http://www.valentinyarchitects.com/

19

20 Renovation [Il s'agit de la réhabilitation de la « Möllerei », qui alimentait les hauts-fourneaux en minerais.]

b Buts du nouveau bâtiment

21 Le projet de construction d'un nouveau campus pour l'Université du Luxembourg fait partie d'un vaste projet national de réaménagement d'une friche industrielle abandonnée depuis 1997, située à Belval sur la commune d'Esch-sur-Alzette.

Le Fonds Belval (http://www.fonds-belval.lu/) assume le rôle de maître d'ouvrage pour la construction des équipements de l'État sur la friche industrielle de Belval, notamment les nouveaux bâtiments construits pour les besoins de la recherche et de l'enseignement, dont fait partie la nouvelle construction de bibliothèque. Cette nouvelle construction a été nommée « Maison du Livre ».
Le projet du nouveau bâtiment de bibliothèque fait partie d'un projet beaucoup plus vaste pour l'Université du Luxembourg: regrouper sur un site principal toutes les activités de recherche et d'enseignement, actuellement dispersées sur différents campus dans le pays.

En 2013, l'Université du Luxembourg a fêté son dixième anniversaire. Il s'agit d'une jeune Université, multilingue, internationale et centrée sur la recherche. Elle se définit aussi comme une institution moderne et à visage humain. Sa bibliothèque est également jeune et en plein développement. Le nouveau bâtiment va permettre de réunir les collections et le personnel, dispersés en 2013 sur trois campus, dans quatre bibliothèques. Il est développé sur base du concept de « learning center », intégrant d'autres fonctions que la fonction bibliothèque, comme par exemple un espace de conférence et un espace événementiel. Le bâtiment est appelé à devenir un lieu de vie, convivial,

privilégiant les rencontres et l'interdisciplinarité – largement ouvert tant au niveau des horaires que de l'ouverture vers la société. Au niveau de la bibliothèque, la flexibilité, la diversifié des places de travail, le confort de travail isolé ou en groupe, l'esprit jeune et coloré ainsi que l'offre étendue de services (notamment en matière de formation, de service de référence et de service orienté sur l'Open Access) constituent les fils conducteurs du projet.

c Caractéristiques

22 A moins de cinq minutes de marche des bâtiments universitaires, elle occupe une position centrale, sur l'axe principal qui relie le campus avec les commerces et la gare.

23 Le bâtiment réhabilité consiste en une enveloppe de forme rectangulaire. Le volume de la « Möllerei » est intégralement conservé, tout comme les structures métalliques du bâtiment originel.
Cette structure métallique sera habillée par de nouvelles façades, essentiellement en verre. La façade ouest a été redessinée et sera constituée d'éléments hexagonaux, destinés à protéger les espaces intérieurs de l'ensoleillement direct. L'intérieur est composé de plateaux librement disposés dans l'espace.

C Informations techniques

a Surface

24 11 700 m²

Divisé en

25 8 370 m²

Salles spéciales pour

26 50 m²

27 N/A

28 N/A

29 1 003 m²

Salles pour autres activités

30 163 m²

31 316 m²

32 256 m²

33 887 m²

34 651 m²

35 N/A

36 5 niveaux accessibles au public

37 974 [Hors salle de conférence et cafétéria.]

Divisé en

38 20

39 186

40 142

41 626 [Dont 36 pour l'espace presse, 118 pour des places de travail collaboratif et 120 pour des places de détente.]

b Capacité potentielle totale de stockage

42 12 779 m

Inclus

43 4 365 m

44 8 414 m

45 8 414 m

46 N/A

47 N/A

48 69 [Estimation basée sur le document http://hdl.handle.net/10993/896]

c Caractéristiques techniques

49

50

51

52

53

54 Planifié

55 RFID

56

57

58

D Échéancier de réalisation

59 2007

60 N/A

61 2007–2012

62 2013

63 2013–2016

64 2016–2017

65 2017

E Coûts

66 N/A

67 60 EUR [Million EUR]

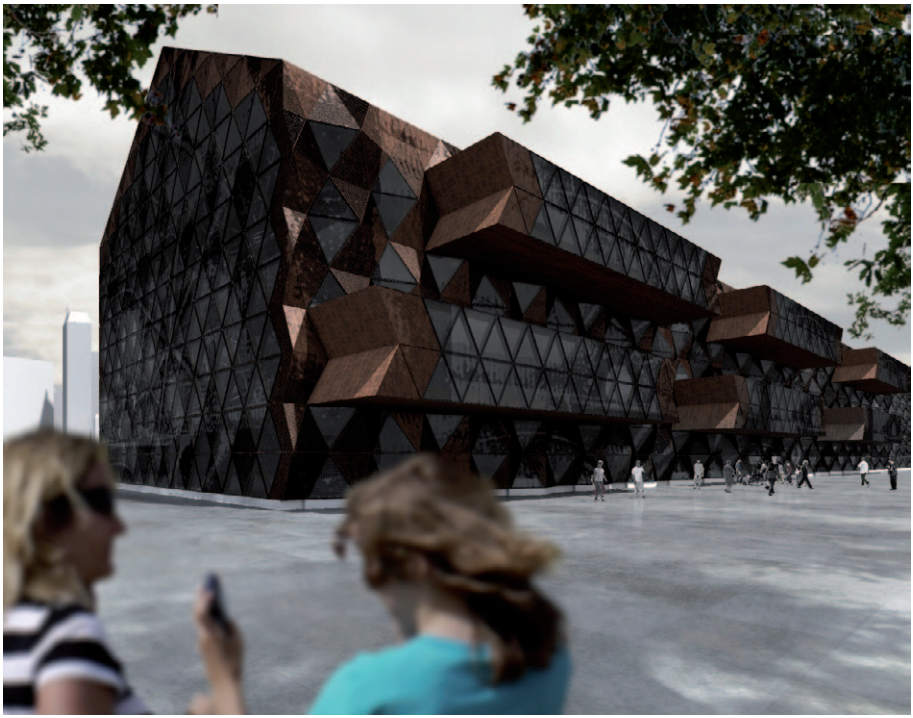
68 Estimation 2 000 EUR/m² pour l'espace public

69 N/A

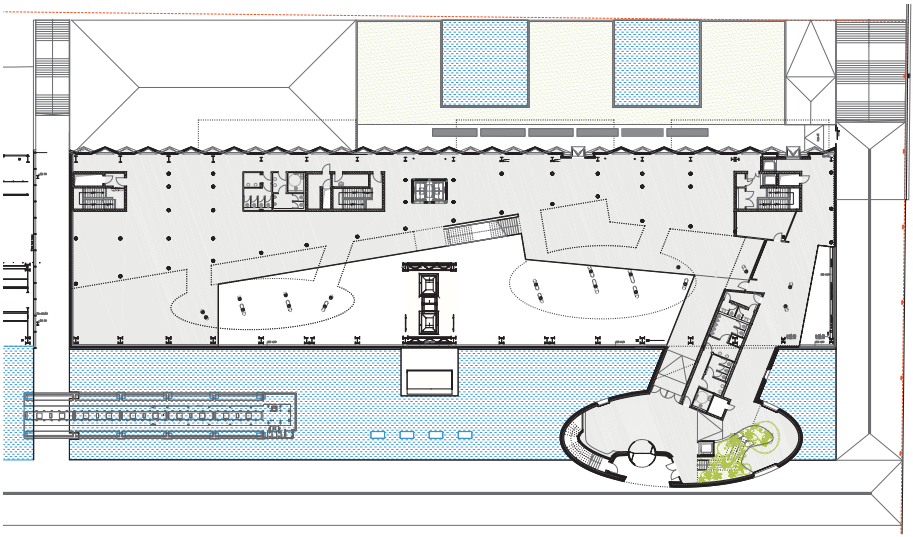
70 N/A

71 N/A

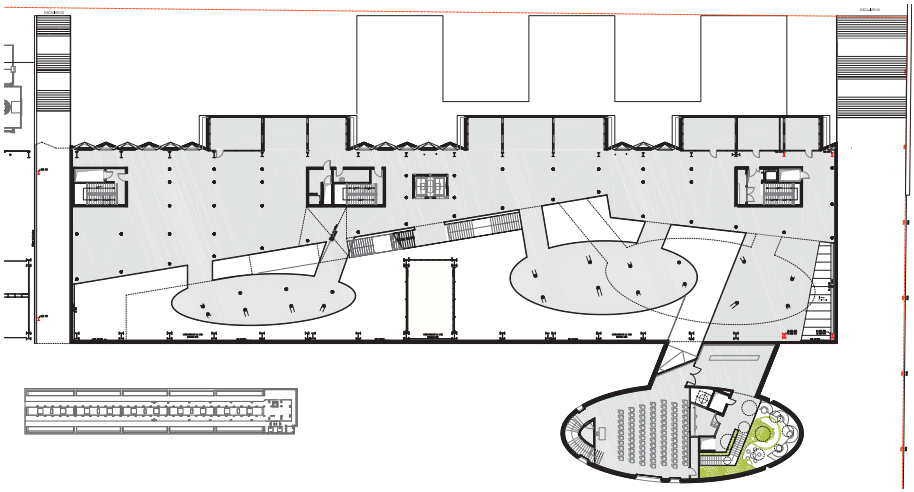
72 Le financement est intégralement pris en charge par l'Etat luxembourgeois



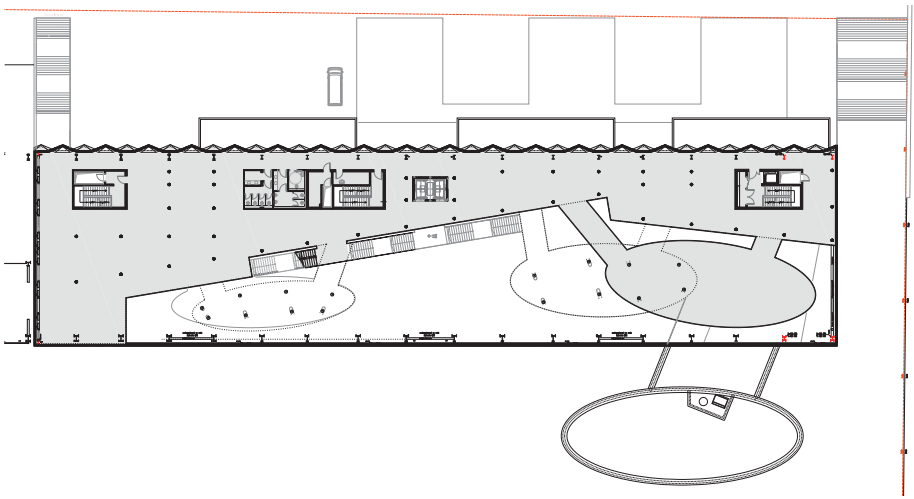
Pespective façade Ouest © Valentiny Architects / Façade Consulting & Engineering



Plan du Rez de chaussée © Valentiny Architects

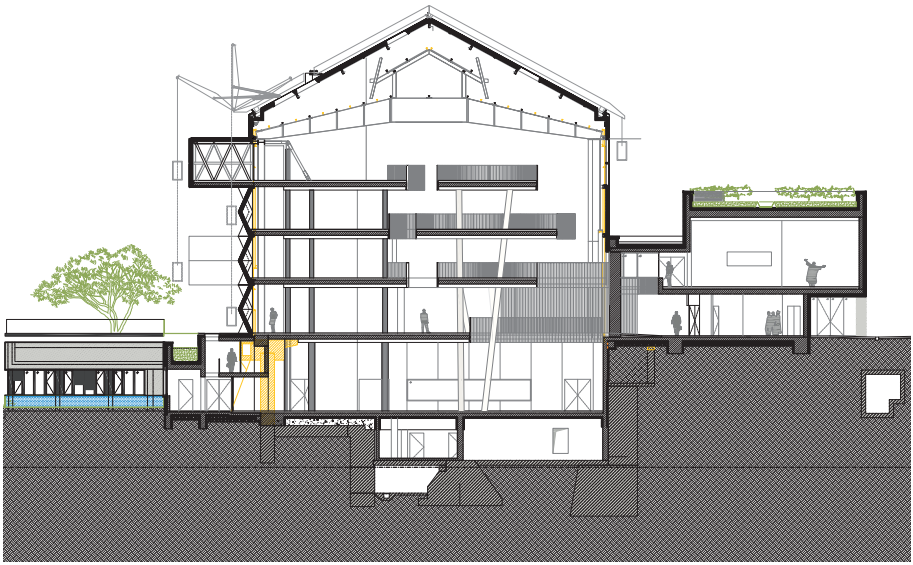


Plan du 1er étage © Valentiny Architects



Plan du 2ème étage © Valentiny Architects

Bibliothèque de l'Université du Luxembourg (BUL). Luxembourg, Luxembourg



Coupe A1 © Valentiny Architects

Central Library of the Politehnica University of Timişoara. Timişoara, Romania

A General information

a Name and address

1 University [University library]

2 Central Library of the Politehnica University of Timişoara / Politehnica University of Timişoara

3 Romania, 300004 Timişoara, Str. Vincenţiu Babeş, nr. 8

4 T +40.256.403122, F +40.256.403121; E bupt@upt.ro

5 Dipl eng. Erica Oteşteanu

6 Erica.otesteanu@upt.ro

b Population served

7 13 907

8 11 940

9

10 1 355

c The old/original building(s) before the new project

11 2 200 m² [in the main building and 5 small branches of the Central Library, in different University buildings]

12 80 [in all branches]

13 8 350 m

14 1 129 m

15 7 221 m

16 34

17 50 hours/week, 337 days/year

B The new building

a Architect(s)

18 S. C. IPROTIM TIMIŞOARA

19 Sava BUGAR

20 New building

b Aims of the new building

21 To move out from an old, not dedicated building which was totally inappropriate for library activities; to create suitable space in which to promote the typical 21st century innovative way to knowledge assimilation; to offer attractive space for study and work, with an increased number of the reading places, including group study rooms; to increase the book storage capacity and holdings in open stacks; to allowed a wide access to computers, audiovisual materials and electronic resources; to develop the documentation and research library services for the university staff; to create access for users with disabilities; to facilitate self-service loans and returns; to assure controlled access entry; to create exhibitions area; to improve staff working conditions.

c Special Features

22 The new building is situated in the central part of the city, in close vicinity of the University's buildings

23 L shape plan, steel, concrete and glass construction, access for the Disabled, motion sensor light switches

C Technical information

a Floor area

24 8 394 m²

Divided into

25 2 287 m² [2287 m² open access services; 249 m² 24 hours access reading room]

Special rooms for

26 148 m² [on the 4th floor, consisting in furniture using space division; space usage for 6–10 students]

27 769 m² [on the 4th floor, 180 PCs]

28 191 m² [for standards and patterns, considering the technical profile of the university: 60 m² controlled access to old books]

29 98 m², in 5 small groups study rooms
231 m², in 26 study carrels for teaching staff

Special activities

30 333 m²

31 102 m² 2 distance learning rooms, 123 m² multifunctional room

32 117 m²

33 538 m² [situated in the basement and on ground floor]

34 1 476 m² [divided in two levels, basement and ground floor]

35 1 418 m² [corridors, stairs, lifts, toilets; 250 m² technical spaces; 34m² book store; 133 m² parking space]

36 6 levels: 2 administrative and 4 dedicated to the public, housing the modern collections, and the IT space.

37 814

Divided into

38 76

39 180

40 77

41 481

b Total potential capacity of shelving

42 13 736 m

Including

43 2 996 m

44 10 850 m

45 10 850 m [equal to 44 (all closed access stacks are equipped with compact shelves)]

46 115 m

47

48 64

c Mechanical features

49 See 50

50 Supplied by the building's own heating plant

51 Controlled by a Merten KNX/DALI system, integrated in the building power distribution monitoring system; special lighting on each desk.

52 Sound system: Bosch

53 2 lifts

54 2 elevators, trolleys

55 Anti-Intrusion system: Honeywell-Novar

56 Fire Alarm; Fire Extinguish; Voice Alarm; Access Contro; Data – Voice; CCTV; Power Monitoring System

57 IP network 800 Gbps traffic capacity (1Gbps access with 10GE uplinks); ubiquitous wireless: 802.11/a/b/g – efective bandwidth of 20Mbps

58 3M RFID automated loan and return system, 3M RFID protection system

D Schedule of the building process

59 2004

60 2004

61 2006–2013

62 2006

63 Internal management, realized by Civil Engineering Faculty staff, members of the library staff and the technical department of the University.

64

65 October 2014

E Costs (including taxes)

66

67 8 233 000 EUR

68 3 190 000 EUR

69

70 11 476 000 EUR

71

72

East elevation © Mihai Botescu

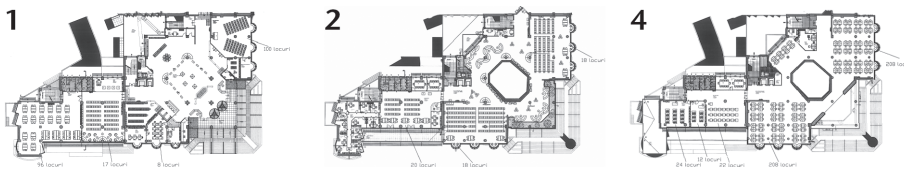
Central Library of the Politehnica University of Timişoara. Timişoara, Romania

North elevation © Mihai Botescu

Interior © Mihai Botescu

Visualization IT space, fourth floor © Techo Romania

Visualization open space / bibliography, first floor © OVO Design



Furbishing plan, first, second & fourth floor © OVO Design, Techo Romania

Central Library of the Politehnica University of Timişoara. Timişoara, Romania

Univerzitná knižnica Univerzity Konštantína Filozofa v Nitre (University Library of Constantine the Philosopher University in Nitra). Nitra, Slovakia

A General information

a Name and address

1 University

2 Univerzitná knižnica Univerzity Konštantína Filozofa v Nitre (University Library of Constantine the Philosopher University in Nitra) / Univerzita Konštantína Filozofa v Nitre (Constantine the Philosopher University in Nitra)

3 Drážovská cesta 4, Nitra, Slovakia

4 T +421 37 6408 106, F +421 37 6408 096; E lib@ukf.sk

5 PhDr. Anežka Strihová

6 PhDr. Anežka Strihová, E astrihova@ukf.sk; T +42137 6408 096

b Population served

7 8 539

8 9 954

9 3 961

10 1 027

c The old/original building(s) before the new project

11 1 729 m²

12 200

13 226 786 volumes

14 226 786 volumes

15

16 23

17 50 hours per week, 258 days per year

B The new building

a Architect(s)

18 SAN-HUMA'90 s.r.o., Župné námestie 9, 949 01 Nitra, Slovakia

19 1st stage – renovation – Ing. Ľubomír Holejšovský,
Ing. Arch. Juraj Polyák,
2nd stage – new building – Ing. Ľubomír Holejšovský,
Ing. Arch. Vladimír Jarabica

20 1st stage – renovation
2nd stage – new building

b Aims of the new building

21 The original library was situated in unsuitable premises. The space, technical condition and the location separated from other University premises were not suitable.

The University management decided to locate the new University Library in the area of a former tobacco factory built in 1936, which was bought by the Constantine the Philosopher University (CPU) in Nitra a few years before. The University has reconstructed and is still reconstructing the existing structures for the Faculty of Education, the Faculty of Central European Studies and others in this area. There are some spatial reserves for further extension of the University in the area. The chosen location is in the vicinity of the dormitory area, which is a big advantage. Such a location provides prerequisites for frequent use of the library by students.

The new University Library was built in two stages. The existing unused structures of a former boiler house, storage and fermentation chambers were rebuilt and completed in the first stage. In those premises there are study rooms, a reading room, cultural and pastoral centre and a part of the Library fund. The second stage included the construction of a new building of the Library, functionally

interconnected with the premises in the reconstructed structures. The staging enabled progressive use of the premises in shorter time intervals.

The University Library fund has been concentrated into one modern complex, which provides services both for students and the public. The new Library provides spatial prerequisites for extension of the Library fund. Modern technologies both for the comfortable use of the Library (Internet access, modern Library system) and to ensure control and safety (access system, camera system) are used in the structure.

c Special Features

22 The University Library in University area has a direct connection to the area of students' accommodation. The location of the Library provides prerequisites for its frequent use by students.

23 **1st stage– reconstruction**
The architectural intention was to avoid complete disappearing of the industrial character of the structures and the entire area by giving the original structures a new function in connection to already reconstructed and rebuilt structures. This intention is supported also by partial admission of steel bearing structures and use of abrasive architekture concrete in the interior and keeping the original division of glass surfaces on the façade using the siding and roof by pre-weathered titanium-zinc sheet.

Playing with natural light and its utilisation in the interior of the Library was an important element of the basic philosophy.

2nd stage – new building
Cylindrical shape of the mass of the structure with a round plan view with one underground and three above-ground storeys forms a significant accent of the area. It is interconnected with the 1st stage of the library on the second above-ground floor. The round plan view enabled forming an architectonically interesting internal space with the central communication premises of the staircase and the lift connecting all storeys.

We remind of the original industrial character of the area by a steel-concrete bearing structure, partially admitted also in the interior. The façade of the structure is made of a protruding aluminium construction glazed by colourful glass. Before this structure a shielding structure made of stainless steel and hung stainless netting Haver-Boecker is protruding. The shielding stainless netting changes the appearance of the structure according to the light. There was also the intention to achieve transparency of the structure, where the life of the

library may be felt behind the glass facade. The feeling of transparency is stronger also thanks to flooding of the structure with daylight through the central skylight located above the staircase. Despite the transparency has low energy demands.

C Technical information

a Floor area

24 3 126 m² [1st stage – 1081 m², 2nd stage – 2045 m², Total area – 3126 m²]

Divided into

25 1 650 m²

Special rooms for

26 204 m²

27 Computers in the open areas

28 219 m²

29 48 m²

Special activities

30 156 m²

31

32 42 m²

33 155 m²

34 231 m²

35 288 m²

36 4 levels – 2 public levels

37 188 [reader places]

Divided into

38

39 14 [computer places]

40 16 [places]

41 158 [places]

b Total potential capacity of shelving

42 8 063 m [1st stage – 4 025 m, 2nd stage – 4 038 m]

Including

43 4 491 m [26 4378 volumes]

44 3 572 m [43 063 volumes]

45 3 572 m [included in 44]

46 5 359 m

47

48 23

c Mechanical features

49 Air conditioning with cooling with automatic control

50 Central heating system with automatic control

51 General lighting. The bright sunlight is reduced by the louvers in the windows and shielding on the façade.

52 Acoustic tiles in the ventilation engine room

53 1 lift

54 No

55 Yes

56 Yes

57 LAN (1 Gb) class 6A, WiFi available everywhere

58 Automatic shading system

D Schedule of the building process

59 2005

60 1st stage – 2006, 2nd stage – 2007

61 1st stage – 2006/2007, 2nd stage – 2008/2009

62 1st stage – 2007, 2nd stage – 2009

63 1st stage – 2008, 2nd stage – 2011

64 1st stage – 2009, 2nd stage – 2012

65 1st stage – 2009, 2nd stage – 2012

E Costs (including taxes)

66 Owned by the CPU – at no additional cost

67

68

69

70 6 160 000 EUR [1st stage + 2nd stage]

71

72 Subsidy from the state budget of 6 127 000 EUR
own resources CPU 33 000 EUR

F Publications & Awards

Award CE.ZA.AR 2009

The 1st stage of the University Library and the Pastoral centre of CPU in Nitra of the authors Ing. Ľubomír Holejšovský and Ing. arch. Juraj Polyák was awarded by the prize for architecture CE.ZA.AR 2009 in the category "Reconstruction and Renewal of Buildings", granted by the Slovak Chamber of Architects. It has also got a nomination for the award of the magazine ARCH – about architecture and other culture.

AWARD BUILDING OF YEAR 2011

The 2nd stage of the University Library in Nitra of the authors Ing. Ľubomír Holejšovský and Ing. arch. Vladimír Jarabica was awarded by the main prize BUILDING OF YEAR 2011 granted by the Association for Slovak Architecture and Construction Development – ABF Slovakia and it took the second place in the intrenational competition BEFFA – Building Efficiency Awards 2012 in the category "New buildings".

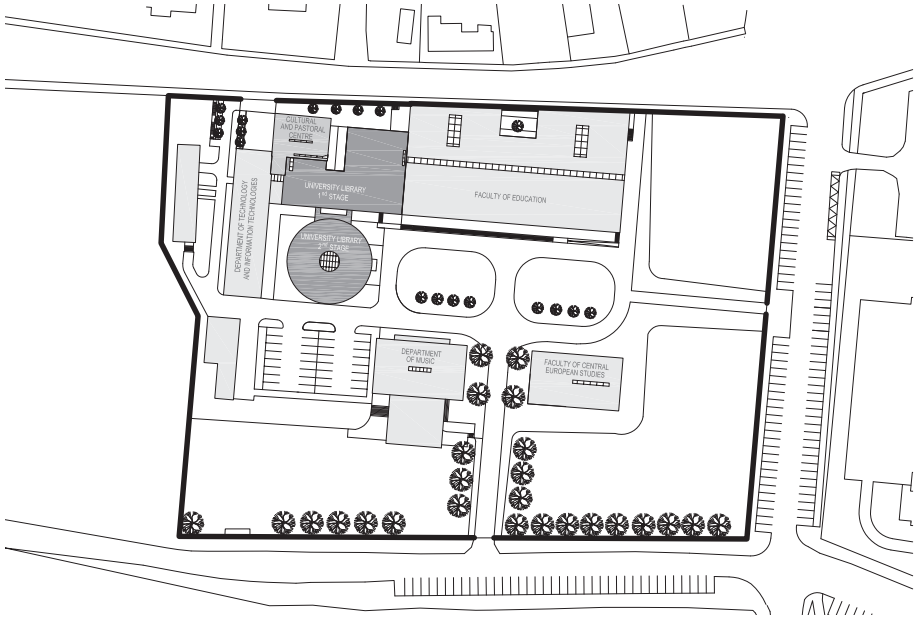
First Stage – North Elevation © Pavel Meluš

Second Stage – East Elevation, Main Entrance © Mgr. art. Soňa Sadloňová

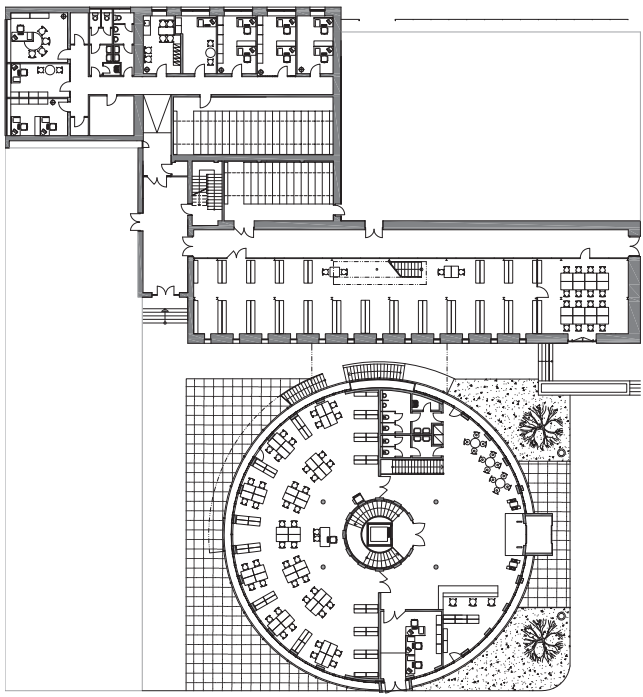
First Stage – Level 2 © Pavel Meluš

Second Stage – Study Room © Mgr. art. Soňa Sadloňová

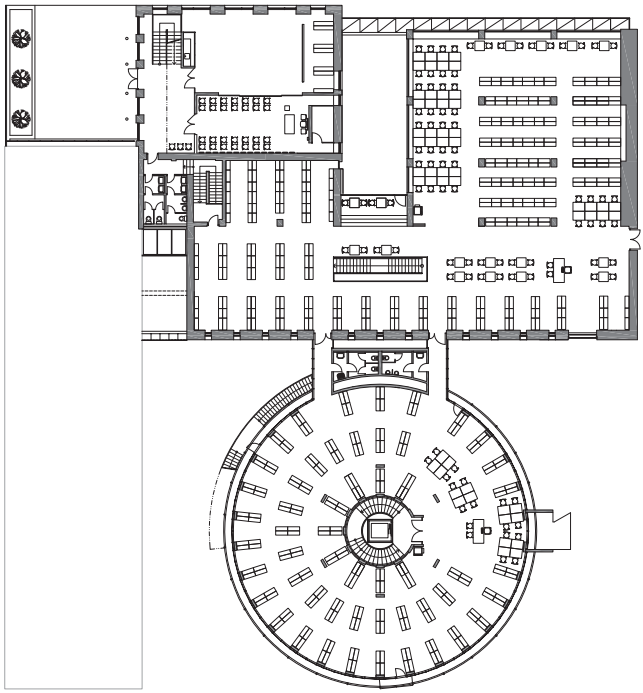
Univerzitná knižnica univerzity Konštantína Filozofa v Nitre. Nitra, Slovakia



Site Plan © SAN-HUMA'90 s.r.o.



First Floor Plan © SAN-HUMA'90 s.r.o.



Second Floor Plan © SAN-HUMA'90 s.r.o.

Section © SAN-HUMA'90 s.r.o.

Univerzitná knižnica univerzity Konštantína Filozofa v Nitre. Nitra, Slovakia

Stockholm University Library. Stockholm, Sweden

A General information

a Name and address

1 University

2 Stockholm University Library / Stockholm University

3 SE- 10691 Stockholm

4 T +46 8 162800, F +46 8 157776

5 Wilhelm Widmark

6 Anne Järvinen, E anne.jarvinen@sub.su.se; T +46 8 162764

b Population served

7 79 142 [statistics from 2012]

8 29 448

9 37 496

10 4 932

c The old/original building(s) before the new project

11 24 400 m²

12 1 048

13 42 396 m

14 12 864 m

15 29 532 m

16 119

17 69 hours per week, 328 days per year (2012)

B The new building

a Architect(s)

18 Scheiwiller Svensson arkitektkontor AB

19 Inger Lindberg Bruce (Architect, Project Manager construction and interior), Pyret Paulander (Interior design), Lena Sjöberg Nilsson (Architect, construction manager)

20 Renovation

b Aims of the new building

21 Stockholm University Library was designed by architect Ralph Erskine and inaugurated in 1983. Stockholm University has always been considered as a modern university in contrast to older, more traditional universities and the library building reflects that by its openness and comfort. Erskine designed the library to resemble an inviting living room with comfortable furniture, balconies to soak up the sun and a café next to the entrance. The concept of honour for Erskine was flexibility. No walls within the building, but movable modules in glass and bookcases built rooms within rooms within rooms.

Now, thirty years after the inauguration, the facilities will be renovated and adapted to the library's new functions. New areas for group study will be added through reconstruction of the entrance floor. The worn-out carpet will be replaced on all floors and new equipment and better sound insulation and ventilation installed in group study rooms. The sense of open space is accentuated by the lighting design and by increasing the light intensity.

Workspace for staff will also be renovated and changed from cellular offices for individual work to flexible offices for several people, where collaboration on joint projects will be made easier. As the corridors disappear and the space is used more efficiently, more space with natural light will be freed up for student needs.

Architects at Scheiwiller Svensson arkitektkontor, the architectural firm involved in the renovation, have previously collaborated with Ralph Erskine. Their vision is to provide the university with a library that can handle future demands and to preserve and enhance Erskine's basic concepts.

Erskine's inspirational environment with light, space and interaction with the surrounding nature will be preserved. Modern, functional

Stockholm University Library. Stockholm, Sweden

facilities that meet new needs will strengthen the library's role as a central meeting point and increase the appeal of the already busy building.

c Special Features

22 The library is centrally located on campus and connected to the main university building.

23 Stockholm University Library was designed by architect Ralph Erskine after an invited competition and consecrated in 1983. The facade consists of precast concrete panels, with visible aggregates like wooden sections and low window strip. The facade towards the university building consists of brown corrugated iron with an arched roof. The main floor's windows are angled outwards and downwards. On the facade facing west there are some peculiar balconies facing south. Eaves and roof structure are made of stainless steel.

The frame is a deck of pillars of concrete cast in situ with a distance of 6 meters between pillars. The body is capable of carrying bookshelves in all parts of the building. Stairwells and elevator shafts of concrete stabilize the body.

All roof areas are drained by internal drainage.

All parts of the building are accessible to the disabled. Elevators have automatic doors which, like other doors have a width that allows the passage of wheelchairs. On each floor there are a number of accessible toilets and on three of the floors also rest rooms.

Energy consumption is measured per hour. Measuring includes heating, electricity and water consumption. Energy is generally bought from companies producing energy from renewable sources.

The building has fire alarm and evacuation alarm. Automatic fire-fighting equipment is installed in archives and partly in public areas.

Energy audits carried out in 2008: The library building uses 79 kWh/m² per year, 32 kWh/m² of which is electricity.

C Technical information

a Floor area

24 24 400 m²

Divided into

25 9 749 m²

Special rooms for

26 Half of the group study rooms are equipped with a wall mounted screen as well as the training rooms.

27 No separate rooms for computers apart from training rooms, computers are integrated in other areas.

28 2 500 meters. 1 800 of these are the rare book collection housed in a room with extra security and regulated humidity.

29 3 training rooms and 40 group study rooms including one allergy room and two for users with disabilities.

Special activities

30 100 m² [A flexible area for events and exhibitions serving as reading/group study area when not in use for exhibitions.]

31

32 Coffee shop just outside the library entrance.

33 680 m²

34 8 524 m²

35 435 m²

36 Five levels altogether, two of them are public levels

37 1 386

Divided into

38 160 [Half of group study rooms have a wall mounted screen (100 seats), and training rooms have 60 seats.]

39 120 [70 computer places for sitting down, 50 for standing]

40 290 [60 places in 3 training rooms, 230 in 40 group study rooms including one allergy room, two for disabled users.]

41 1 030

b Total potential capacity of shelving

42 42 396 m

Including

43 12 864 m

44 29 532 m

45 17 267 m [included in 44]

46

47 Ca 30 m² for maps, archives, works of art, various

48 No change to present.

c Mechanical features

49 Automatic controlled and supervised air handling units, with heat recovery, heating and cooling coils.

50 A water-based heating system. Heat is supplied from a substation, delivered through underground pipes to heat exchanger in the building.

51 Main lighting: fluorescent tube, controlled by presence.

52 Absorbent ceiling. Wall to wall carpet. Some areas have absorbent partitions.

53 Three public lifts, three service lifts.

54 No

55 Yes

56 Automatic control & supervising of technical systems. Energy consumption measured per hour. Fire & evacuation alarms. Automatic fire-fighting equipment in most areas.

57 LAN 1Gbit/s WLAN 802.11n

58 Outside awning (blinds)

D Schedule of the building process

59 2007

60 Not for the renovation

61 2011–2014

62 June 2013

63 End of 2014

64 Collections repositioned as needed for the three phases/areas of renovation. Furnishing delivered from February till December 2014 as the project proceeds.

65 The library is open during renovation. Inauguration in February 2015.

E Costs (including taxes)

66

67 17 045 000 EUR

68 2 109 000 EUR

69 250 000 EUR [Additional costs (ex moving collections)]

70 1 940 000 EUR

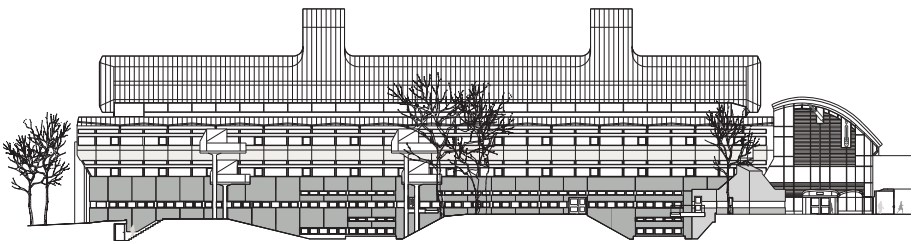
71 5 400 000 euro [Annual rent 3 760 000, approximately 5 213 000 after renovation. Running costs 117 500. Total operating costs before renovation 3 900 000, after renovation approximately 5 400 000.]

72 Public funding, by Stockholm University

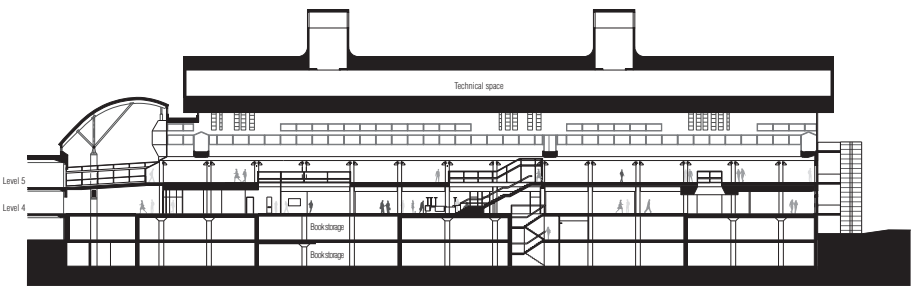
Perspective of Information and Study Area © Scheiwiller Svensson arkitektkontor

Stockholm University Library. Stockholm, Sweden

Perspective of Information Area © Scheiwiller Svensson arkitektkontor

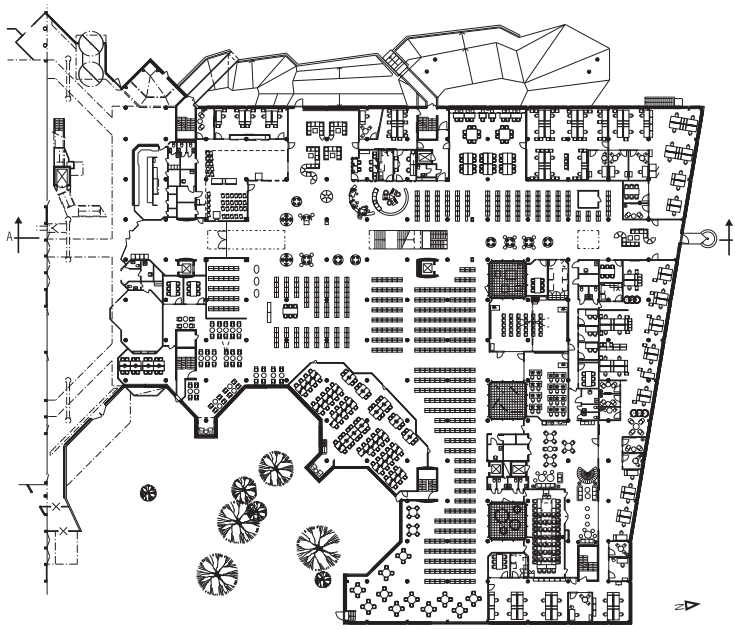


West Facade © Scheiwiller Svensson arkitektkontor

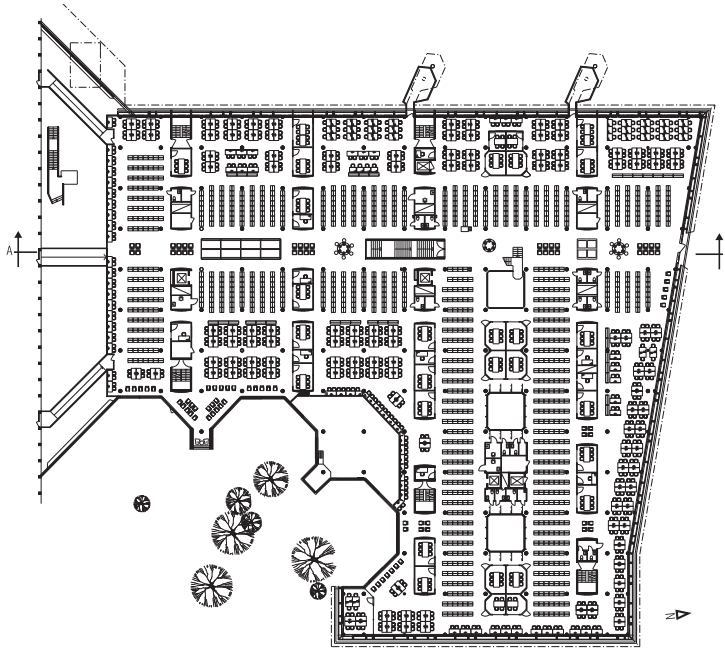


Section AA

Longitudinal Section from East © Scheiwiller Svensson arkitektkontor



Plan of the Entrance Level © Scheiwiller Svensson arkitektkontor



Plan of Level 5, Public Level © Scheiwiller Svensson arkitektkontor

Stockholm University Library. Stockholm, Sweden

Universitätsbibliothek Bern. Bern, Switzerland

A Allgemeine Information

a Name und Adresse

1 University

2 Universitätsbibliothek Bern / Universität Bern

3 Münstergasse 61

4 T ++41 31 631 92 00, F ++41 31 631 92 99; E info@ub.unibe.ch

5 Marianne Rubli Supersaxo

6 Christian Lüthi, E christian.luethi@ub.unibe.ch; T ++41 31 631 92 03 (Leiter Abt. Ressourcen, Direktion)

b Publikum

7 24 000 [Aktive Benutzerinnen und Benutzer 2012]

8 16 991

9 Wird nicht unterschieden

10 3 873

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 26 461 m²

12 2 335

13 4 388 600 volumes

14 745 000 volumes

15 3 643 000 volumes

16 167

17 69 h pro Woche / 300 Tage pro Jahr

B Das neue Gebäude

a Architekt(en)

18 Spreng + Partner Architekten (Ausführung)

19 Baumag AG, HRS Real Estate AG

20 New building [Hochschulzentrum vonRoll Bern]

b Ziele des Bauprojektes

21 Neues Hochschulzentrum vonRoll für die Universität Bern und die Pädagogische Hochschule Bern

c Spezielle Merkmale

22 Die Bibliothek umfasst eine Freihandbibliothek mit 350 Leseplätzen für Studierende und 130 000 Bänden in Freihandaufstellung sowie ein Speichermagazin mit 80 km Regalen.
Ehemaliges Industriegelände der Firma von Roll.

23 Neubau mit 7 Geschossen (3 unterirdisch, 4 oberirdisch). Betonbau mit vorgehängter Klinkerfassade und grossen Fenstern.
Das Gebäudevolumen und die Materialisierung beziehen sich auf die Montagehalle der Firma von Roll, die bis 2009 an diesem Ort stand.

C Technische Information

a Gesamtfläche

24 30 000 m²

Unterteilt in

25 2 700 m²

Spezielle Räume für

26

27

28 40 m² [Lesesaal zur Konsultation von historischen Publikationen (älter als 1900)]

29 15 Gruppenarbeitsräume (je 6–12 Arbeitsplätze)

Räume für besondere Aktivitäten

30

31 Teil des Hochschulgebäudes

32 Teil des Hochschulgebäudes

33 400 m²

34 6 180 m²

35

36

37 350

Unterteilt in

38

39 Alle mit WLAN ausgestattet

40 15

41

b Gesamtkapazität der Stellfläche für Regale

42 81 000 m

Enthält

43 200 000 volumes

44 81 000 m

45 81 000 m

46

47

48 32

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49 Minergie-P-Eco

50 Fernwärme von Kraftzentrale Forsthaus Stadt Bern

51 LED, Leuchtstoffröhren

52

53 Personenlifte, ein Bücherlift

54 Nein

55 RFID

56

57

58

D Zeitplan des Bauprozesses

59 2004 ff.

60 2003

61 2005–2008

62 2010

63 2010–2013

64

65 Sept. 2013

E Kosten (incl. Steuern)

66

67

68

69

70 125 000 000 EUR [Whole building]

71

72 Public (Canton of Berne)

F Publikationen und Auszeichnungen

Hochschulzentrum vonRoll
Amt für Grundstücke und Gebäude des Kantons Bern (Hg.), 2013

Hochschulzentrum vonRoll (2013)
http://www.be.ch/portal/de/index/mediencenter/medienmitteilungen.assetref/content/dam/documents/portal/Medienmitteilungen/de/2013/11/2013-11-08-baubrosch%C3%BCre-agg-vonroll.pdf

Campus for Higher Education vonRoll, Fabrikstrasse 8, Bern, 2010–2013:
view from the East side © Iris Krebs, Bern

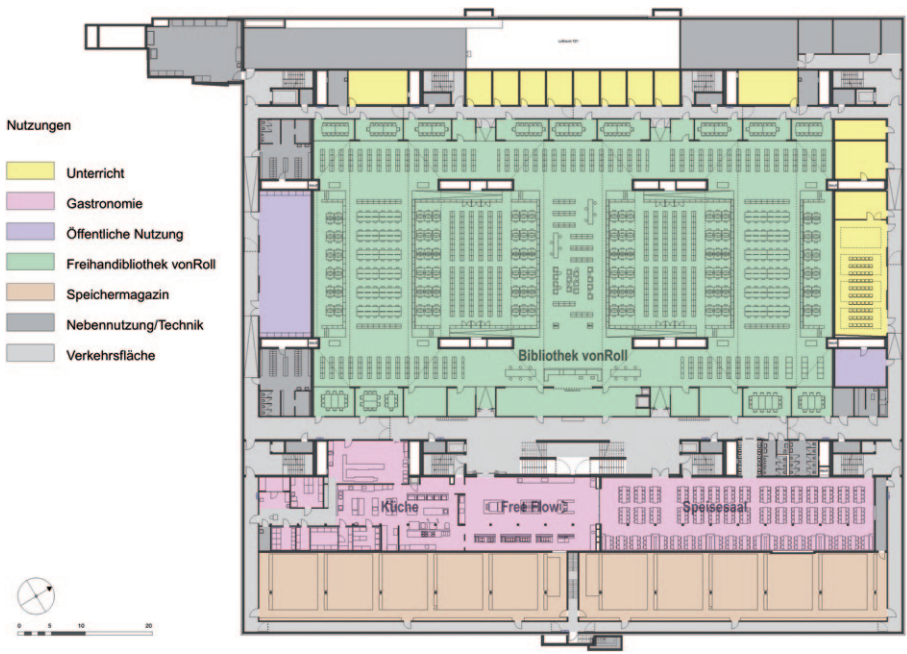
Open access library, middle yard, 2nd underground level © Iris Krebs, Bern

Library office room in the first underground level © Iris Krebs, Bern

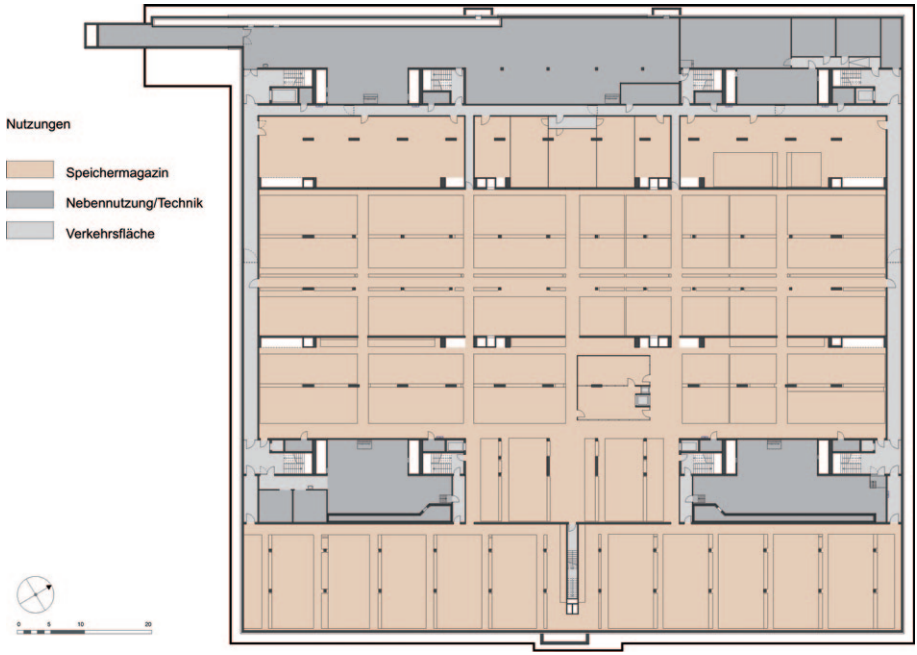
Main corridor between the compact storage blocks, 3rd underground level © Iris Krebs, Bern

Universitätsbibliothek Bern. Bern, Switzerland

Library courier hub in the 3rd underground level © Iris Krebs, Bern



Plan of the 2nd underground level © Bern University, Bau und Raum



Plan of the 3rd underground level with the big compact storage facility of Bern University Library © Bern University, Bau und Raum

Universitätsbibliothek Bern. Bern, Switzerland

Zentralbibliothek. Bern, Switzerland

A Allgemeine Information

a Name und Adresse

1 University

2 Zentralbibliothek / Universitätsbibliothek Bern

3 Münstergasse 61, 3000 Bern 8

4 T 0041 31 631 92 11, F 0041 31 631 92 22; E info@ub.unibe.ch

5 Niklaus Landolt

6 E niklaus.landolt@ub.unibe.ch; T 0041 31 631 92 02

b Publikum

7

8 17 000

9

10 6 500

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 6 581 m²

12 178

13 2 500 000 volumes [Davon ein Teil in einem Aussendepot. Das gesamte Medienangebot der Universitätsbibliothek umfasst 5 Mio Medieneinheiten.]

14 100 000 volumes [Davon 20 000 Musik-CDs]

15 2 400 000 volumes

16 60

17 69 Std./Woche, 306 Tage/Jahr

B Das neue Gebäude

a Architekt(en)

18 Alb architektengemeinschaft ag

19 Frank Furrer

20 Renovation [Gebäudeeigentümerin und somit Bauherrin des Projekts ist die Burgergemeinde Bern.]

b Ziele des Bauprojektes

21 Das im 18. Jh. errichtete und seither mehrmals erweiterte Bibliotheksgebäude an Münstergasse 61/63 ist zum letzten Mal 1967–1974 umgebaut und saniert worden. Die technischen Installationen sind nach 40 Jahren Betrieb sanierungsbedürftig. Auch haben sich die Anforderungen an eine moderne wissenschaftliche Bibliothek seit den 1970er Jahren stark verändert. Die Raumnutzung der Zentralbibliothek kann mit der geplanten Gebäudesanierung heutigen und künftigen Anforderungen angepasst werden. Dies geschieht innerhalb der bestehenden Gebäudehülle und im Rahmen denkmalpflegerischer Vorgaben.

Hauptziele des Umbaus sind neben der Sanierung und Modernisierung der Gebäudetechnik der Ausbau der Bibliothek zu einem Lernort, d.h. insbesondere die Erweiterung der Publikumsarbeitsplätze, die Einrichtung von modernen Lernumgebungen (Gruppenarbeitsräume, Kursräume, Verpflegungsmöglichkeiten, etc.), die Verbesserung der Infrastruktur für Vermittlungsangebote (Ausstellungsräumlichkeiten, Vortragssaal) sowie für die Konsultation und Bearbeitung der historischen Buchbestände der Universitätsbibliothek (klimatisierter Sonderlesesaal, klimatisierte Magazine und Restaurierungsateliers). Die Buchbestände werden mit Ausnahme der historischen Bestände vor 1800, Referenzwerken für die Lesesäle sowie einer Auswahl aktueller Zeitschriften in ein zentrales Speichermagazin der Universitätsbibliothek ausgelagert.

Im selben Gebäude befindet sich auch die Burgerbibliothek, das Archiv der Burgergemeinde Bern, das ebenfalls umgebaut wird.

c Spezielle Merkmale

22 Zentrale Lage in der Berner Altstadt, gut erschlossen durch öffentlichen Verkehr.

23 Das Gebäude wurde 1755–1760 im barocken Stil als Kornhaus errichtet, 1787–1794 zu einem Bibliotheksgebäude umgebaut und mit zwei spätbarocken Prunksälen (Hallersaal, Schultheissensaal) versehen. Mehrere Gebäudeerweiterungen (1860/61, 1904–1906, 1969–1973).

C Technische Information

a Gesamtfläche

24 4 920 m²

Unterteilt in

25 1 530 m² [Inkl. Lesesäle, AV-Medien, Kursraum, Ausleihe, Bar und Cafeteria
Exkl. Vortragssaal, Erschliessung (Korridore, Treppen, Aufzüge]

Spezielle Räume für

26 80 m²

27

28 65 m²

29 74 m²

Räume für besondere Aktivitäten

30 92 m²

31 96 m²

32 234 m² [Eine bediente Cafeteria/Bar (120 m²) und eine unbediente Cafeteria mit Getränkeautomaten (114 m²)]

33

34 641 m²

35

36

37 350 [Inkl. Arbeitsplätze in unbedienter Cafeteria]

Unterteilt in

38 2

39 16

40 20

41 312

b Gesamtkapazität der Stellfläche für Regale

42 170 000 volumes

Enthält

43 10 000 volumes

44 160 000 volumes

45 160 000 volumes

46 15 000 volumes

47

48 60

c Mechanische Eigenschaften (Haus- und Betriebstechnik)

49 Mechanische Lüftungsanlagen in Publikumsräumen, Grossraumbüros und Magazinen, Fensterlüftung in Büros, Kälteversorgung über Aarewasser und Klimakältemaschine

50 Wärmeerzeugung mittels Fernwärme und Abwärme Klimakältemaschine Radiatoren, Boden- und Deckenheizungen resp. Kühlungen, Unterflurkonvektoren

51 Wo möglich LED-Lichttechnik

52 Gipslochdecken, Akustikputze und Segel

53 Insgesamt zwei Aufzüge, keine Rolltreppen

54 Keines

55 Magnetsicherung

56 Offenes und durchgängiges Gebäudeleitsystem als Kernstück einer vertikalen (Feld-, Automations- und Managementebene) und horizontalen (verschiedene Systeme) Einbindung

57

58 Entrauch der unterirdischen Publikumsräume und beider Treppenhäuser mittels Rauch- und Wärmeabzugsanlage

D Zeitplan des Bauprozesses

59 2008–2009

60 2010

61 2011–2014

62 15. Januar 2014

63 2014/2015

64 1. Quartal 2016

65 1. April 2016

E Kosten (incl. Steuern)

66 N.a.

67 17 500 000 EUR [Gesamtgebäudekosten inkl. Burgerbibliothek]

68 2 700 000 EUR [Gesamtkosten inkl. Burgerbibliothek und Möblierung Zentralbibliothek]

69 4 200 000 EUR

70 Gesamtprojekt kosten inkl. Burgerbibliothek

71

72 Burgergemeinde Bern

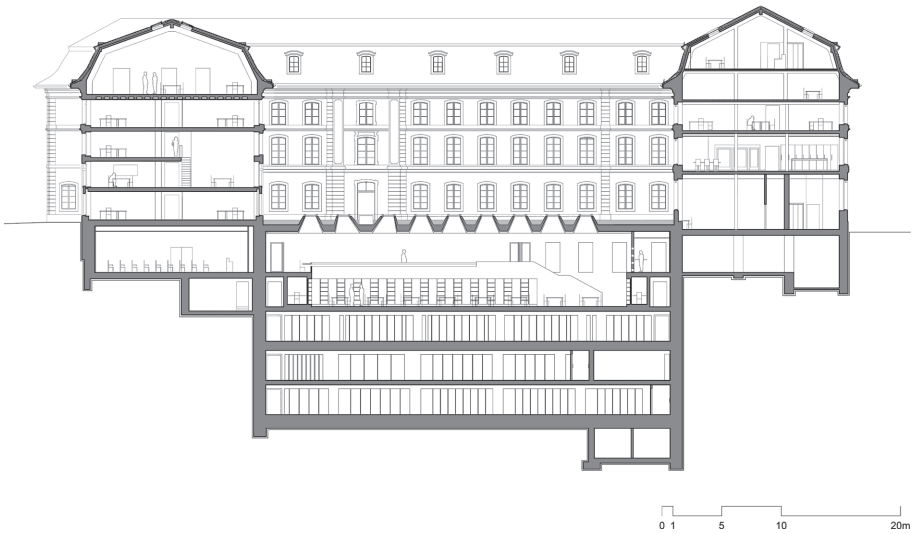
Arcade on the north side with the main entrance to the library

Renewed library garden on the south side of the building
© alb Architektengemeinschaft, Bern; Twin Design, Benjamin Hallberg

Zentralbibliothek, Bern University Library, new reading room below the garden
© alb Architektengemeinschaft, Bern

Zentralbibliothek. Bern, Switzerland

Exhibition room (in the back part of this view), information desk and access to the new reading room (left) © alb Architektengemeinschaft, Bern; Twin Design, Benjamin Hallberg



Cut through the building with 10 floor levels, 5 in the underground
© alb Architektengemeinschaft, Bern

University Library.
Aberdeen, United Kingdom

A General information

a Name and address

1 University

2 University Library / Robert Gordon University

3 Riverside East, Garthdee Road, Aberdeen, United Kingdom. AB10 7GJ

4 T 01224 263470, F 01224 263460; E library@rgu.ac.uk

5 Michelle Anderson

6 Margaret Buchan, E m.buchan@rgu.ac.uk; T 01224 263470

b Population served

7 15 281

8 8 880

9 3 815

10 1 470

c The old/original building(s) before the new project

11 3 916 m²

12 721

13 6 089 m

14 5 303 m

15 786 m

16 36

17 262 hours per week (2 Libraries)

B The new building

a Architect(s)

18 BDP Building Design Partnership Limited

19 Scott Mackenzie

20 New building

b Aims of the new building

21 The new Library was constructed as a part of the Robert Gordon University's Riverside East Project which brought the remaining three city centre schools – Pharmacy and Life Sciences, Engineering, Computing Science and Digital Media.
All academic teaching at the University is now concentrated on the Garthdee site.

c Special Features

22 The Library tower is at the heart of the University's riverside campus in south of Aberdeen. Sited at the entrance of the new building it has spectacular views over Aberdeen

23 The Library is housed in a circular tower within the Riverside East building on the Robert Gordon University's Garthdee campus. The Library entrance is on level 5 of the tower and rises to level 9. It is constructed of poured reinforced concrete slabs. The are two lifts within the Library which give access to all floors. The building grid separation is 6 metres and the tower consists of slab to slab windows.

C Technical information

a Floor area

24 3 529 m²

Divided into

25 3 025 m²

Special rooms for

26

27 There are workstations on every floor

28

29 41 m²

Special activities

30 None in the new Library

31 None in the new Library

32 None in the new Library

33 228 m²

34 197 m²

35 1 500 m²

36 All 5 levels are open to the public except the staff area on level 5. A locked store is situated on level 2.

37 357

Divided into

38

39 192

40 20

41 165

b Total potential capacity of shelving

42 7 133 m

Including

43 5 722 m

44 1 589 m

45 4 470 m [Included in 44 and 45]

46 Not shelved separately

47

48 35

c Mechanical features

49 The building allows for natural ventilation but has also been designed with mechanical ventilation to keep the building temperature constant.

50 The building has thermal insulation to reduce the heat loss, heat pumps preheat the building heating system.

51 The building uses natural light during the day with the benefit of shading from the building.

52

53 There are two lifts in the Library.

54

55 There are security gates at the entrance of the Library on level 5.

56

57

58

D Schedule of the building process

59 Planning approval was awarded on 10 August 2010

60 BDP were appointed to the project in December 2009

61 96 weeks

62 27 April 2012

63 1 May 2013

64

65 29 May 2013

E Costs (including taxes)

66

67

68

69

70

71

72

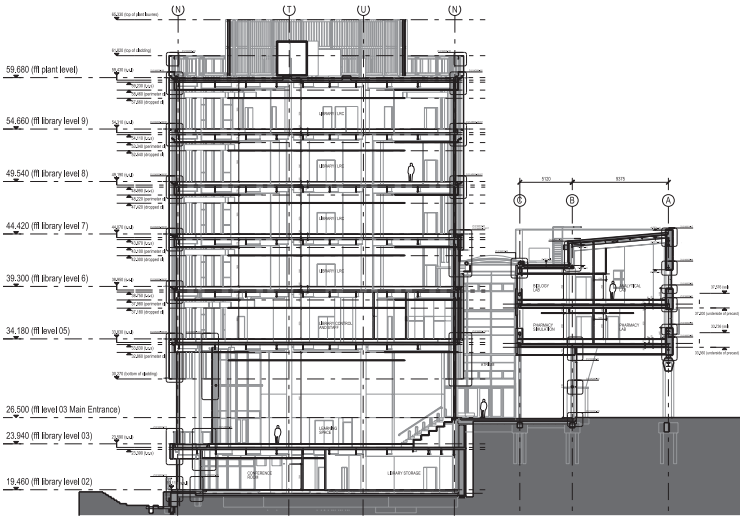
Library Tower External View © Martin Parker, Robert Gordon University

Internal view © Martin Parker, Robert Gordon University

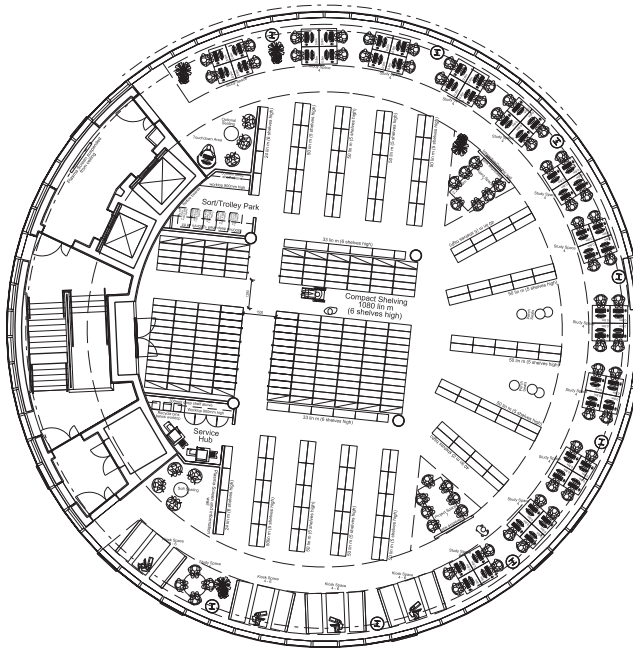
University Library. Aberdeen, United Kingdom

View to the South © Martin Parker, Robert Gordon University

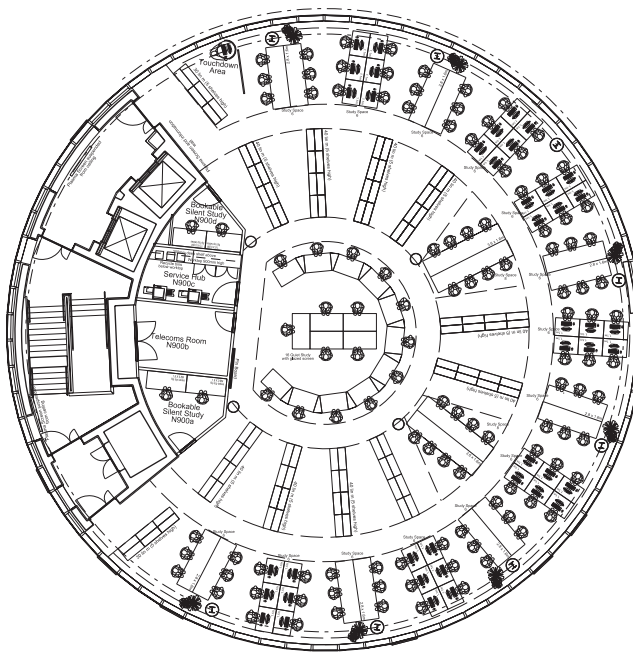
Library Tower in relation to the rest of the Riverside East building
© BDP Building Design Partnership Limited



Library Tower Section © BDP Building Design Partnership Limited



Floorplan of level 8 © BDP Building Design Partnership Limited



Floorplan of level 9 © BDP Building Design Partnership Limited

University Library. Aberdeen, United Kingdom

Augustine House Library and Student Services Centre. Canterbury, United Kingdom

A General information

a Name and address

1 University

2 Augustine House Library and Student Services Centre / Canterbury Christ Church University

3 North Holmes Road, Canterbury, KENT, CT1 1QU, United Kingdom

4 T 44(0)1227 782869; E library.enquiries@canterbury.ac.uk

5 Mr Pete Ryan

6 Mr Robert Brown, E robert.brown@canterbury.ac.uk; T 44(0)1227 782869

b Population served

7

8 11 600

9 6 421

10 2 680 [1 297 – Academic, 1 383 – Professional Services]

c The old/original building(s) before the new project

11 2 500 m^2

12 447

13 4 500 m

14 3 250 m

15 1 250 m

16 27

17 79.5 hours per week, 355 days per year

B The new building

a Architect(s)

18 ADP, http://www.adp-architecture.com

19 Roger Fitzgerald; Liz Jarrett

20 New building

b Aims of the new building

21 University Libraries continue to operate in a hybrid environment of traditional and digital resources. Electronic services are developing which are accessible throughout the campus network, complimented by services pertinent to student needs at each campus. The provision of a rich and varied programme of information skills, delivered by librarians in innovative and flexibly designed learning spaces, supports the development of independent learners through a greater understanding of the full range of traditional and electronic resources available. Equally they provide an important function as locations where essential learning services and support for students are brought together. The University Library centred at the heart of this new development will continue to develop this theme and will need to provide a wide range of learning spaces, which are conducive to study and which cater for multiple learning styles, for individual and group learning, and for silent and noisy study. Learning spaces that focus on resource based learning with easy access to physical and electronic stock, coupled with expert advice and guidance, will be essential to ensure that all resources are effectively used.

The New University Library will be multi-functional, flexible and open plan, delivering the full range of library services. It will concentrate on the putting the student at the centre of service delivery, "student focused", rather than on storage and resource management. On each floor there will be physical resources, on open shelves and compact shelving, and a wide range of facilities for studying, browsing and borrowing, as well as for relaxing and socialising.

Augustine House Library and Student Services Centre. Canterbury, United Kingdom

c Special Features

22 The development has played a critical part in shaping the future of CCCU. and has changed the way the university is perceived by internal and external stakeholders.

23 The dynamic character of the building has been expressed by the angular assortment of bridges and galleries that intersect the atrium, linking the building's two sides of flexible accommodation. From within the building, stunning new views towards the city walls and the Cathedral can be glimpsed, making visual as well as symbolic connections to Canterbury.

The building has achieved a BREEAM rating of 'Very Good', and was used as the pilot scheme for the BREEAM Higher Education assessment category. The building takes advantage of the natural stable temperature in the earth, using the 258 structural piles as geothermal energy sources, providing over 20% of the building's energy. Carbon emissions have been reduced by 23%.

C Technical information

a Floor area

24 13 000 m²

Divided into

25 7 000 m² [All library service areas accesible to library users.]

Special rooms for

26

27 Open access computers included in 25
Computer training rooms inlcuded in 29

28

29 335 m² [2 multi-purpose seminar rooms, 1 IT training room, 7 Bookable Group Study Rooms, 3 Small meeting rooms (1–3 people)]

Special activities

30 170 m²

31 680 m²

32 225 m²

33 1 725 m²

34

35

36 Building on 4 levels, with stair and lift access to all floors.

37 600

Divided into

38

39 260 [In addtion there are 220 “i-borrow” netbooks for use within the building]

40 100

41 240 [Wide mix of formal, semi-formal and social seating spaces throughout the building.]

b Total potential capacity of shelving

42 8 925 m

Including

43 8 650 m

44 275 m

45 5 575 m [5 300 open access in 43, 275 closed access in 44]

46

47 15 m [Current newspapers]

48 35

c Mechanical features

49

50

51

52

53

54

55

56

57

58

D Schedule of the building process

59 April – July 2006

60 January – March 2006

61

62 February 2008

63 June 2009

64 June – September 2009

65 21 September 2009

E Costs (including taxes)

66 £1 400 000

67 £21 000 000

68 £300 000

69 £3 000 000

70 £25 700 000

71

72 University funded project

F Publications & Awards

Local Authority Building Control Award

Augustine House won the Best Educational Project category at the LABC (Local Authority Building Control) Awards for the South East region.

SCONUL Library Design Award 2013

Library Design awards show libraries at the heart of academic life

Augustine House Library and Student Services Centre at Canterbury Christ Church University is the joint winner of the 2013 prestigious SCONUL Library Design Awards.

The awards have been made every three years since 1973 and recognise the best in the design of higher education libraries. Images of the winning libraries are available here.

Liz Waller, chair of the judging panel, said

“Augustine House Library and Student Services Centre at Canterbury Christ Church combines modern design with sensitivity to its historic location by the city walls. It provides flexible and inspiring learning environments which put the student first.”

Citation for Augustine House Learning and Student Services Centre, Canterbury Christ Church University

This award is made for a new, modern building that remains sensitive to its historic location by the city walls. Augustine House brings together the physical resources of the Library with flexible and inspiring learning environments and a single point of enquiry for student-facing services, putting into practice the university’s ‘student-first’ ethos.

The extensive use of glass gives exciting views to the rest of the building and the city beyond from the internal bridges on each floor across the light-filled atrium. Accessibility and inclusion were integral to the design of this sustainable building; a flagship venue for the University and local community. Engagement of staff in service development alongside the thoughtful planning of the space has delivered substantial increases in student satisfaction and Library use.

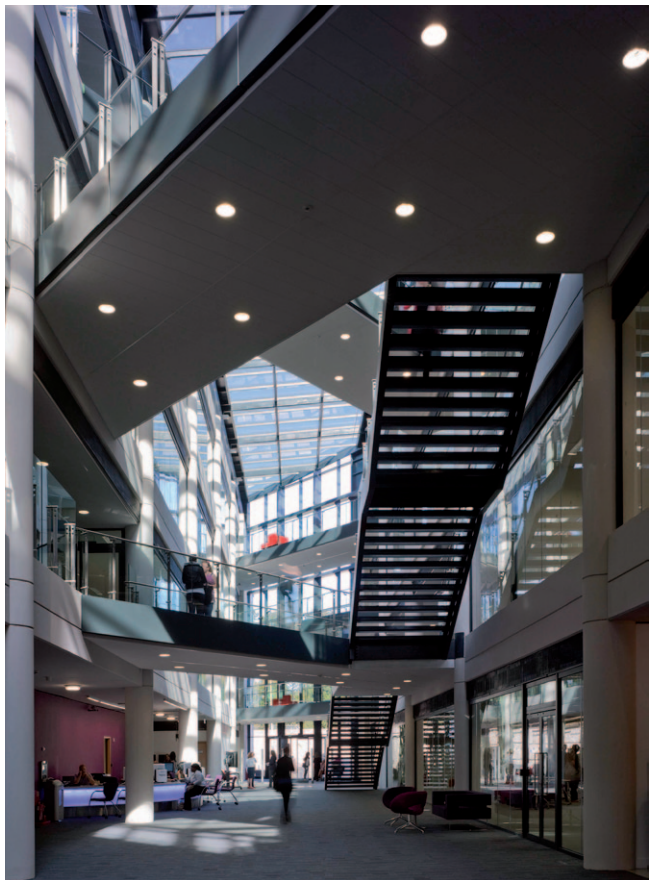
Exterior Front Angle Daytime © Peter Cook

Augustine House Library and Student Services Centre. Canterbury, United Kingdom

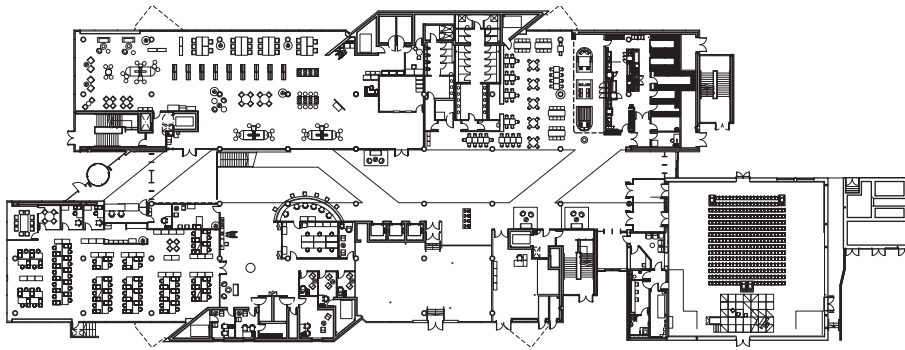
Exterior Front Nighttime © Peter Cook

Compact Shelving Units © Peter Cook

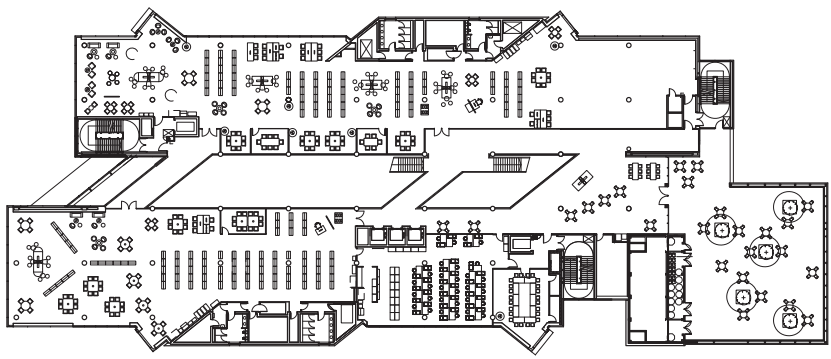
Third Floor Atrium © Peter Cook



Ground Floor Atrium © Peter Cook



Ground Floor Plan © Canterbury Christ Church University



Second Floor Plan © Canterbury Christ Church University

Bill Bryson Library. Durham, United Kingdom

A General information

a Name and address

1 University

2 Bill Bryson Library / Durham University

3 Stockton Road, Durham, DH1 5XS, United Kingdom

4 T +44 (0)191 3343042, F +44 (0)191 334 2971; E main.library@durham.ac.uk

5 Mr Jon Purcell

6 Dr Richard Pears, E richard.pears@durham.ac.uk; T +44 (0)191 334 2970

b Population served

7 26 427 [Including current university staff and students, retired staff doing research, visiting researchers, alumni and the public.]

8 15 655

9 1 433

10 3 000

c The old/original building(s) before the new project

11 8 558 m^2

12 879

13 21 714 m

14 17 519 m

15 4 195 m

16 65

17 104 hours per week in term-time, reduced in vacations. Open for 350 days per year.

B The new building

a Architect(s)

18 Space Group, Spaceworks, Benton Park Rd, Newcastle upon Tyne, NE7 7LX, United Kingdom, for library extension and refurbishment of entrance level; PHP Partnership Pinetree Centre, Durham Road, Birtley, Co. Durham, DH3 2TD for M&E Replacement

19 Donn Ponnighaus and Andrew Grounsell for library extension and refurbishment of entrance level; Fausto Periera for Mechanical and Electrical Replacement and refurbishment of remaining areas of earlier building

20 Extension [New extension and complete renovation of earlier building.]

b Aims of the new building

21 Durham University has five libraries. The oldest, Palace Green Library, dates in part from the fourteenth century with seventeenth and nineteenth century additions. This building was scheduled to be converted to provide greater access to university special collections. This required the transfer of the law and music collections to the Main Library, the largest library. The Main Library was built in three phases from the 1960s to 1990s, but the university population had doubled since the previous extension in 1993. Study desks were sacrificed to accommodate additional bookshelves, leading to chronic over-crowding and student dissatisfaction. PCs were concentrated in a wing built in 1993, separated from the printed library collections and preventing the simultaneous use of relevant sources in different media. Group study spaces were very poor, leading to complaints and problems with noise in areas intended for individual study. Library staff were dissipated in small rooms around the building.

The aims of the extension and refurbishment were to increase the number of study spaces, increase the opportunities to deploy PCs or for students to use laptops and wireless access to electronic sources,

accommodate law and music collections from Palace Green Library, provide open access to collections and consolidate service points. Staff were moved into a large open-plan workroom planned to ensure that interdependent functions such as ordering, cataloguing and processing of acquisitions were co-located.

After the east wing extension was completed the University decided to continue the refurbishment of the whole library, replacing all mechanical and electrical systems, redecoration, the installation of greater wireless capacity and providing power to all study spaces so that print and online sources can be used together. The Main Library was renamed the Bill Bryson Library in honour of the former Chancellor of Durham University and well-known author.

c Special Features

22 On university campus close to city centre with views of historic Durham Cathedral and Castle, (UNESCO World Heritage Site). Majority of university departments and residential student colleges are close by.

23 The earlier library building was designed by Faulkner Brown with their trademark exposed brown brick, narrow windows and entrance on the first floor, due to the sloping site. Subsequent additions to the library added a rectangular block of four storeys (the west wing) containing PCs and mobile shelving. The new east wing was added onto the opposite side of the library. This has produced a reverse Z-plan building that can confuse new readers.

The new east wing is a four-storey steel frame and concrete floor slab construction, with concrete and glass external walls. Additional space was obtained by enclosing part of the angle between the east wing and the south-east side of the earlier building with a glass wall to create an atrium with additional study spaces. The atrium has a raised floor to provide many additional floor boxes for power and data access. The polished concrete walls and ceilings are of a very high standard, with many other walls covered with gustav paneling or painted plasterwork. The majority of the study spaces have access to power for laptops and PCs. The northern side of the east wing has a series of fins, like a saw blade, with full height glass windows in the edge facing across the playing fields to provide views of Durham Cathedral and Castle. These fins each have 6 study desks and the desks and wall paneling are in elm. The building is fully accessible for readers with mobility difficulties. There are 90 photovoltaic cells on the roof of the east wing to provide green energy, whilst the south-facing, curving glass wall of the atrium has a brise soleil to provide solar shading and minimize glare. 5 metre modular grid.

Bill Bryson Library. Durham, United Kingdom

C Technical information

a Floor area

24 11 478 m²

Divided into

25 10 127 m²

Special rooms for

26 120 m² [9 group rooms, 3 group pods and 8 individual rooms, 1 individual room with listening facilities and music keyboard]

27 540 m² [3 PC rooms (other PCs on study desks not included)]

28

29 120 m² [as noted above 9 seminar rooms]

Special activities

30

31

32 36 m²

33 378 m²

34

35 497 m²

36 Four levels, all accessible to public

37 1 300

Divided into

38 96

39 230

40 40

41 934

b Total potential capacity of shelving

42 23 000 m

Including

43 23 000 m

44

45 12 800 m [included in total figure]

46 152 m [included in total figure]

47

48 72 [72 FTE during the working day (9–5) Monday to Friday. Extended hours staff at other times]

c Mechanical features

49 Chilled beam and radiators fed by University Building Environmental Management System

50 Chilled beam and radiators fed by University Building Environmental Management System

51 Motion-detection

52 Gustav paneling feature walls to absorb sound

53 2 lifts

54 Human

55 Boon Edam and Telepen entrance gates, 3M for short loan area

56 BEMS centralled controlled by University Estates and Building

57 Whole building wireless enabled. Network wiring is Cat 6.

58

D Schedule of the building process

59

60

61

62

63

64

65 Extension opened 23 April 2012, formal opening 10 January 2013, refurbishment to conclude September 2015

E Costs (including taxes)

66 1 800 000 EUR [University owned site but required consolidation of former colliery workings.]

67 11 000 000 EUR

68

69

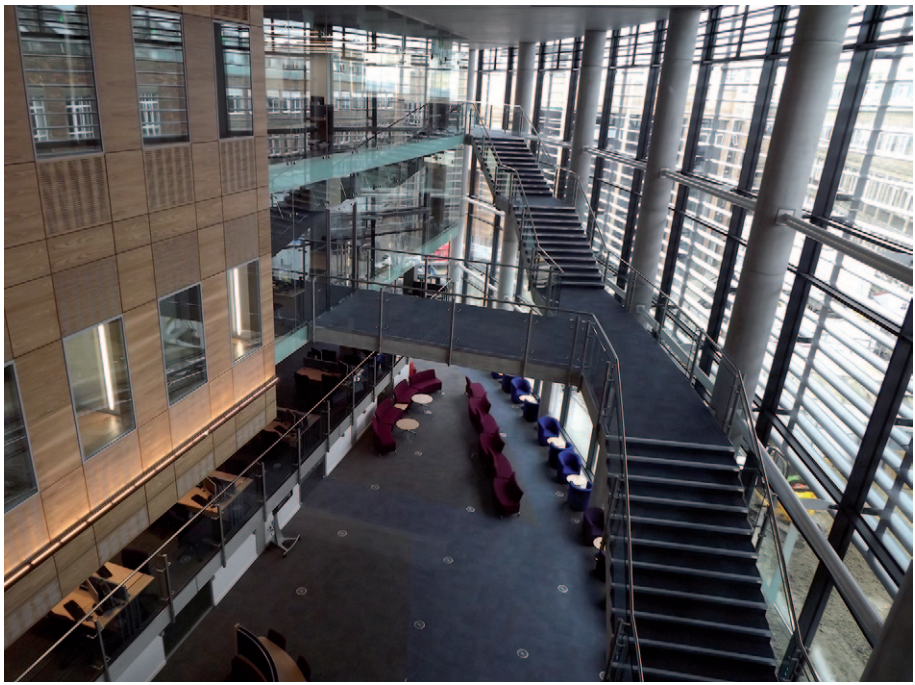
70

71

72 University funds and loans

Bill Bryson Library exterior with pre-2012 library centre and new east wing extension on right

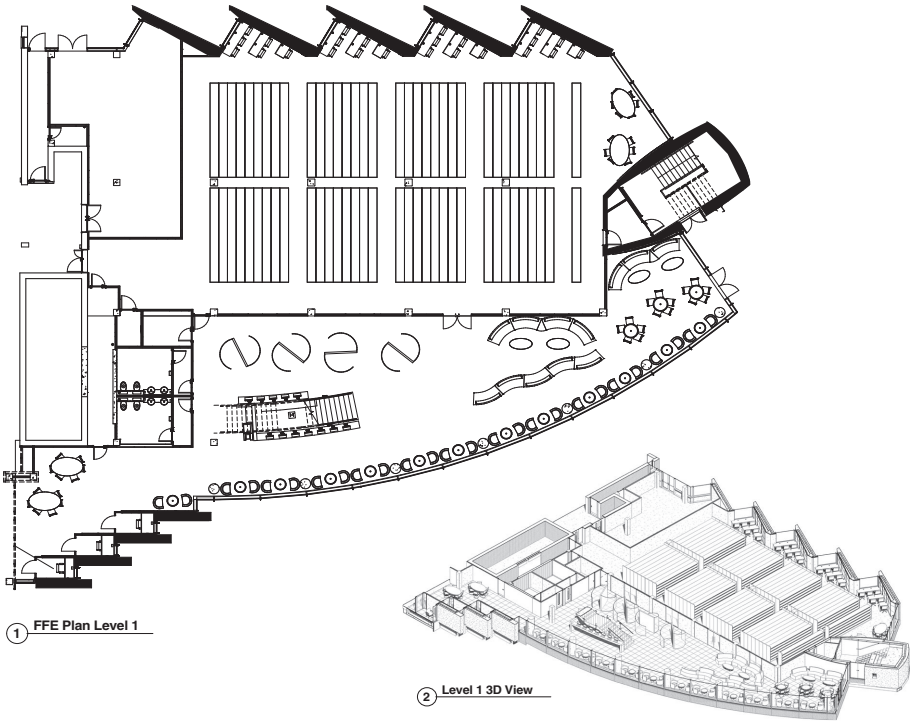
Bill Bryson Library exterior of east wing extension © Durham University



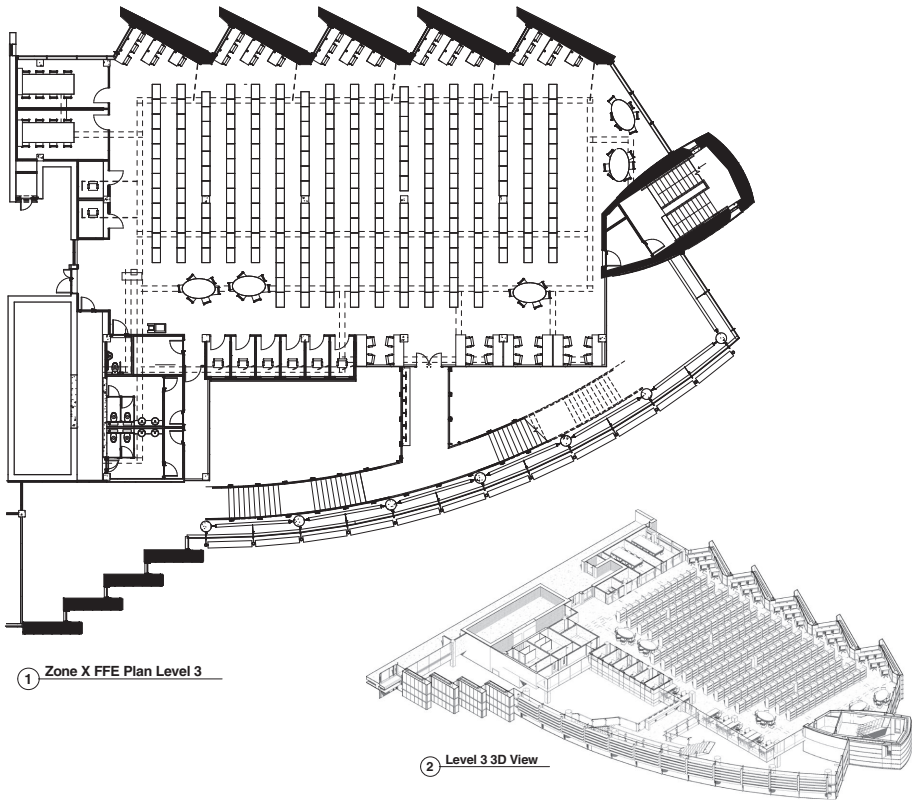
Bill Bryson Library interior of new east wing extension with wood panelled individual study rooms and open reading area © Durham University

Bill Bryson Library. Durham, United Kingdom

Bill Bryson Library PC-equipped study desks in east wing extension © Durham University



Bill Bryson Library level 1 of east wing extension © Durham University



Bill Bryson Library level 3 of east wing extension © Durham University

Bill Bryson Library. Durham, United Kingdom

Forum Library.
Exeter, United Kingdom

A General information

a Name and address

1 University [University Library]

2 Forum Library / University of Exeter

3 STOCKER RD, EXETER UK EX4 4PT

4 T +44 (0) 1392 723873; E library@exeter.ac.uk

5 CLARE POWNE

6 Stephen Mossop, E s.a.mossop@exeter.ac.uk; T +44 (0) 1392 725670

b Population served

7 23 000

8 15 500

9 3 000

10 1 550

c The old/original building(s) before the new project

11 5 270 m²

12 450

13 21 500 m

14 21 000 m

15 500 m

16 68

17 168 hrs per week; 362 days per year

B The new building

a Architect(s)

18 Wilkinsone Eyre

19 Chris Wilkinson / Chris Donoghue

20 Renovation [Renovation & Extension]

b Aims of the new building

21 The £48 million Forum Project originated in 2007 to provide an innovative, fully integrated, student-facing facility at the centre of the campus interlinking new learning spaces and the Main Library, catering and social facilities together with all key student services including employability, student support services, accommodation and finance.

In terms of the library, the project provides:

- 25% more shelving space
- Dedicated, high quality, research-facing facilities for library users with research-orientated collections close by in the Research Commons (refurbished 'Old Library')
- More than double the original seating provision during peak use seasons with over 75% of seats provided with mains power and hard-wired network sockets
- A completely refurbished study environment conducive to the broad spectrum of user requirements
- Double the original PC provision, numerous power sockets and pervasive wifi throughout
- Additional automated entrance and exit

Key drivers for the library part of the project included:
Cramped accommodation: by 2002 the Main Library was 95% full and we had little room for expansion in other locations. The Main Library was built with 450 seats in 1982 to cater for 6 000 students. The university's student population currently stands at around 17 000.

Inappropriate spaces: tired and worn décor, poor lighting and ventilation, DDA non-compliant areas, difficult access and layout arrangements, lack of IT provision and power sockets for users. The 1982 design pre-dated personal computing.

Dated facilities: Newer learning styles were poorly supported and many user complaints were received about mobile phones, general noise levels and lack of hot drink availability. There was also considerable pressure on limited multimedia facilities.

Forum Library. Exeter, United Kingdom

Confusing layout: collections were not in numerical Dewey shelf mark order, aisles did not logically flow into each other and uneven collection expansion between 1982 and 2002 had made way-finding a confused business.

c Special Features

22 Situated on Streatham Campus, University of Exeter

23 Slab-based structure based on original 2002 box construction on cantilever and with 'slit' windows

Disability-compliant: The Forum development fully supports user accessibility. It includes a number of lifts for those with mobility impairment, induction loops at service desks for those with hearing difficulties, approved visual signage as well as four dedicated, bookable accessible study rooms supported with appropriate IT facilities, accessible WCs on each floor and voice alarm systems.

Breeam excellent rating: The environmental impact of the Forum building was minimised through design and methodology. Construction materials have been re-used and recycled where possible and Green Guide 'A' rated materials incorporated at every opportunity.

Biodiversity on campus was monitored throughout the build and extensive measures taken to anticipate the effects of the development on the local ecology, wherever possible rare plants and trees were moved or carefully protected.

The building fabric and glazing used in the Forum has achieved a level of thermal performance 10% better than that required by building regulations. This will deliver a serious reduction in energy use and CO_2 emissions.

The development provides over a hundred extra cycle spaces, plus showers and lockers, to promote cycling and walking to campus, and the new piazzas create a more pedestrian focus.

Recycling bins have been placed in strategic locations around the forum building to facilitate a sustainable waste strategy and a composter has been brought onto site to provide organic waste processing services for the whole campus with up to 3 500 litres of organic waste to be converted into compost every week and used to keep the luscious grounds at the University looking their best.

C Technical information

a Floor area

24 6 731 m²

Divided into

25 4 526 m²

Special rooms for

26 62 m²

27 180 m²

28 N/A (in separate site library)

29 435 m²

Special activities

30 N/A – included in Forum Complex

31 N/A – included in Forum Complex

32 10 m²

33 664 m²

34 464 m²

35 400 m²

36 3 public levels, 0.5 staff area

37 1 160

Divided into

38 15

39 105

40 400

41

b Total potential capacity of shelving

42 24 000 m

Including

43 16 500 m

Forum Library. Exeter, United Kingdom

44 8 500 m

45 See 44

46 50 m

47

48 63

c Mechanical features

49 1982 building has air conditioning, 2012 extension has manual ventilation

50 Earth tubes, groundsource water, gas boilers

51 Zumtobel

52 None

53 2 service lifts

54 Manual trolleys

55 3M EM detection (main area), 2CQR RFID (short loan) – project on-going to convert building fully to RFID

56 Schroeder, local

57 CAT 6 network as part of campus network, 100 Mbs minimum

58

D Schedule of the building process

59 2007

60 Open

61

62 April 2009

63 May 2012

64 Throughout, on completion of floor-by-floor refurbshments

65 5 May 2012 (by HM The Queen)

E Costs (including taxes)

66 N/A

67 N/A

68 182 700 EUR [£150,000]

69 4 019 100 EUR [£3.3m]

70 9 230 900 EUR [£7.58m as part of wider £48 m Forum Project]

71

72

F Publications & Awards

2013 RIBA National Awards

Winner of the Higher Education and Research Category at the 2013 World Architecture Festival

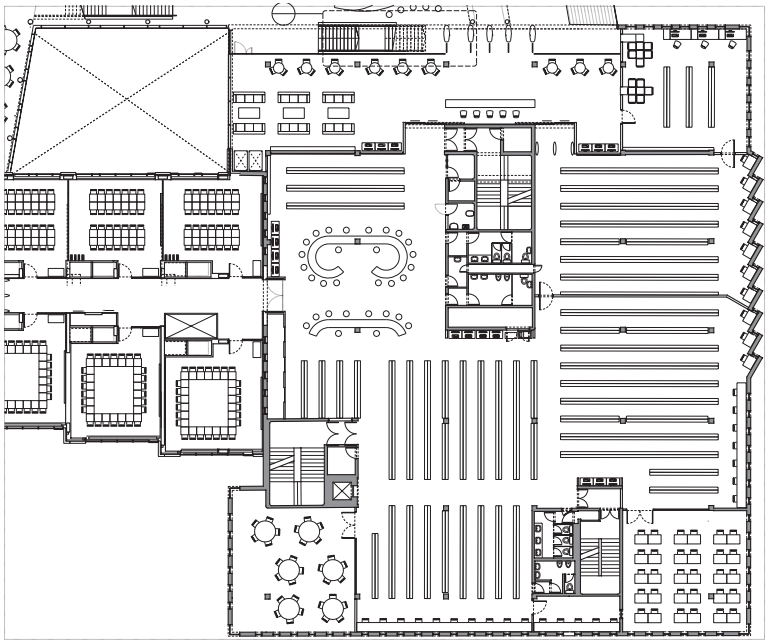
Highly Commended – SCONUL Library design awards 2013

1st Floor Library Approach © Tim Pesteridge

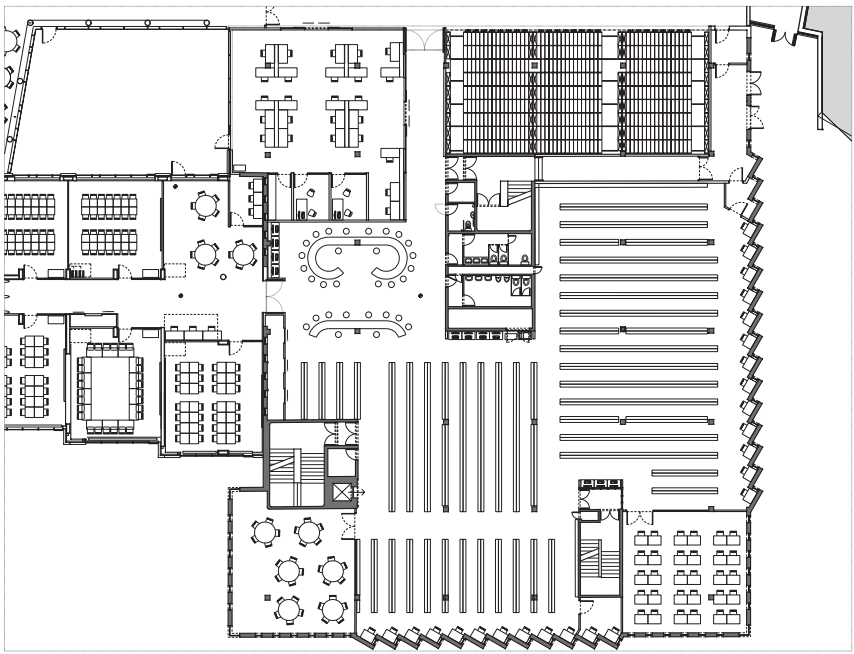
Forum Library. Exeter, United Kingdom

Group Study Room © Tim Pesteridge

Library Courtyard © Tim Pesteridge

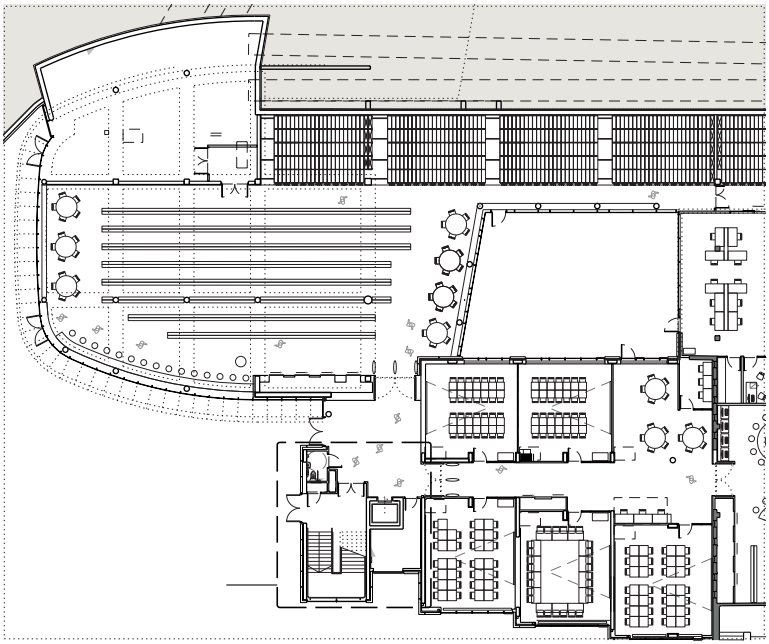


Level 0, Library © Wilkinson Eyre



Level -1, Existing Library © Wilkinson Eyre

Forum Library. Exeter, United Kingdom



Level -1, Reading Rooms and Library Extension © Wilkinson Eyre

The Hive.
Worcester, United Kingdom

A General information

a Name and address

1 University, public

2 The Hive / University of Worcester

3 The Hive, Sawmill Walk, The Butts, Worcester WR1 3PB

4 T 01905 822866; E hiveadminteam@worcestershire.gov.uk ((General Enquiries): hiveadminteam@worcestershire.gov.uk, (Booking Enquiries): bookings@thehiveworcester.org)

5 Anne Hannaford, Director of Information and Learning Services, Judith Keene, University Librarian and Assistant Director of Information and Learning Services, Janine Downes, Hive Library Manager

6 Anne Hannaford, Director of Information and Learning Services, E a.hannaford@worc.ac.uk

b Population served

7 23 334 [as up until 20th November 2013]

8 8 102

9 1 789

10 1 784 [including hourly paid teaching staff, temp staff, and student temps]

c The old/original building(s) before the new project

11 2 960 m^2

12 537

13 4 774 m [approx. 150 000 volumes]

14 3 516 m

15 1 248 m

16 49 [48.91 FTE]

17 86.5 days per week (Term), 42 days per week (Vacation)

B The new building

a Architect(s)

18 Feildon Clegg Bradley

19 Jo Wright, Partner Studio Leader

20 New building

b Aims of the new building

21 The Hive is Europe's first fully integrated, jointly funded university and public library in a £60m landmark building within a city regeneration zone, offering a new model of shared services.

It is an innovative partnership between the University of Worcester and Worcestershire County Council bringing together books, documents, archives, digital technology and services from both organisations. It also houses one of the country's largest children's libraries, council customer services, meeting rooms, study areas and a café.

The vision for the Hive is to inspire people into learning, creating a democratic, civic space with fundamental principles of inclusion and access. It is a regional hub for education, research, business and cultural experiences, attracting people who have not traditionally enrolled in a library: to raise aspirations, and forge links between the university, people and organisations.

The resources of the University and public library are available to all; use of space and collections is defined by what you want to do, not by who you are. Public library non-fiction is shelved alongside university texts; study spaces and computers are shared; teenagers and children do their homework alongside university students writing assignments.

The superb WCC archive and archaeology collections are easily accessible by everyone, and are attracting new audiences to history and heritage.

A proportion users of The Hive are from low-income families, without a record of educational achievement. It is by design that

the outstanding children's library is adjacent to the council customer service centre, attracting those families who wouldn't normally use a library.

The historic role of a public library as a place of educational opportunity for those unable to afford a formal education is redefined through our joint university and public library in a way that offers a model of inclusion and access for others.

c Special Features

22 The Hive is located on a city centre site, formerly occupied by derelict buildings, (now demolished), the Council Environmental Services depot and an electronics factory which have both been relocated to more suitable premises on the edge of the city.

It is immediately adjacent to the City Centre campus of the University of Worcester, and is linked to the main shopping area of Worcester by a bridge and new pedestrian route extending the ability to walk safely across the city from the Cathedral on one side, to the University on the other.

23 The irregular plan form of the Hive is a response to its site, its aspect and orientation and the future construction of an embracing wrap of commercial accommodation which will frame the new ramped pedestrian street. The roofs and walls of the iconic form are clad in copper alloy with a plinth of locally sourced Forrest of Dean Pennant stone. The in situ concrete structure (incorporating 40% cement replacement) supports a series of ring beams at eaves level which are topped by the seven irregular timber cones which provide daylight and exhaust natural ventilation throughout the deep plan via a series of atria. Air intake at the perimeter and via an earth cooled duct, is designed to provide excellent air quality throughout. Windows, as part of the aluminium curtain walling system, frame views across the River Severn to the Malvern Hills beyond. Reduction of CO_2 and energy use was central to the brief with a target of 50% CO_2 reduction compared to regulations. The Hive is design to adapt to climate change as predicted by the UK Climate Impact Programme to 2050. Biomass is used for heating and river water is used for cooling via pipes embedded in the concrete slabs. The Hive was the first library in the UK to achieve BREEAM Outstanding with a score of 86.4% and has won a number of significant sustainability awards.

The Hive is designed to be accessible to all users regardless of physical and mental impairment. It incorporates a comprehensive personal care suite enabling even users with the most severe physical constraints to make use of the building's facilities.

C Technical information

a Floor area

24 12 500 m²

Divided into

25 10 500 m²

Special rooms for

26 N/A, distributed throughout public spaces

27 N/A, distributed throughout public spaces

28 Unknown

29 8 rooms (excluding the studio)

Special activities

30 N/A

31 N/A

32 Café and vending machines

33 2 000 m²

34 Unknown

35 Unknown

36 5 levels

37 800

Divided into

38 N/A

39 400

40 80–100 depending on layout (excluding the studio)

41 300

b Total potential capacity of shelving

42 250 000 volumes [excluding the Archive]

Including

43 N/A

44 Unknown

45 Unknown

46 Unknown

47 Unknown

48 52 [library only]

c Mechanical features

49 The Hive is predominantly naturally ventilated with air intake via perimeter vents and an earth cooled below ground duct and exhaust via the roof cones which utilize stratification of warm air internally and are designed to be wind driven regardless of the direction of the prevailing wind. In winter conditions there is a simple mechanical ventilation system with heat recovery which minimizes energy lost by exfiltration. Chilled beams and pipes cast into the concrete structure use water from the River Severn to cool the building in the summer.

50 A biomass boiler provides heating via perimeter trenches and the pipes cast into the concrete structure, which also provide summer time cooling.

51 Daylight is maximised throughout the building. Artificial lighting incorporates low energy fittings, daylight sensors and PIR control ensuring artificial lighting is only used when necessary.

52 The brief required an acoustic gradient from 'active' to 'reflective' allowing every user to find a study setting to suit their preferences. With the exception of the level 4 silent reading room the library and public areas are open plan across four floor levels and acoustic absorption has been designed to minimise noise breakout between zones. Absorption is incorporated in the ballustrades to the atria, in soffit mounted panels (carefully balanced with the requirements to expose the thermally massive concrete) and around the lower edge of each cone.

53 2 lifts

54 N/A

55 RFID

56 Yes

57 WAN (Internet) Connection: 1Gb. LAN: 10Gb, Backbone1Gb available to desktop, CAT 6E cabling throughout. WiFi available throughout the building.

58

D Schedule of the building process

59 Design brief developed prior to the PFI process by University of Worcester and Worcestershire County Council.

60 The Architectural competition (in this case a competitive dialogue) ran from October 2007 to February 2009

61

62 January 2010

63 January 2012

64

65 Opened to the public by Queen Elizabeth 2 in July 2012 as part of the Golden Jubilee celebrations.

E Costs (including taxes)

66 N/A

67 N/A

68 N/A

69 N/A

70 73 000 000 EUR [Includes land purchases, project team costs, Archaeology, moving etc, construction, does not include the running costs of the building etc.]

71 N/A

72 HEFCE, PFI Credits, AWM

F Publications & Awards

BCI (Building Construction Industry) Sustainability Award October 2013

Times Higher Education Leadership and Management Award, June 2013

RIBA (Royal National Institute of British Architects) National Award, June 2013

RIBA West Midlands Award, June 2013

RICS Awards West Midlands The Award for Design and Innovation, May 2013

RICS Awards West Midlands The Community Benefit Award, May 2013

Building Magazine Sustainable Project of the Year. The Hive, Max Fordham and Feildon Clegg Bradley Studios, April 2013

Civic Trust Award – FCB, March 2013

Guardian University Award contribution to the local community through The Hive, February 2013

CIBSE New Build Project of the Year (value above £5m) – FCB, February 2013

South Worcestershire Building Control – Building Excellence Award, 2012

Post Tensioned Society Awards Building of the Year, 2012

UK winner Public Private Partnership Awards – Best Sustainability Project, May 2012

West Midlands Regional Planning Award, 2012

Bentley Be Inspired: Infrastructure Best Practices Symposium and Awards – Innovation in Generative Design, October 2009

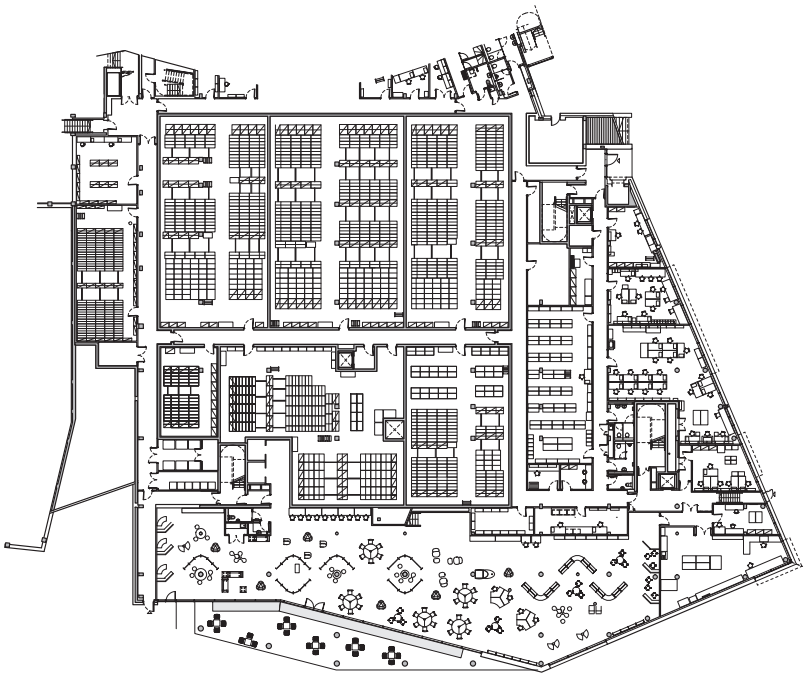
Hive External View © University of Worcester

The Hive. Worcester, United Kingdom

Hive Internal view 1 © University of Worcester

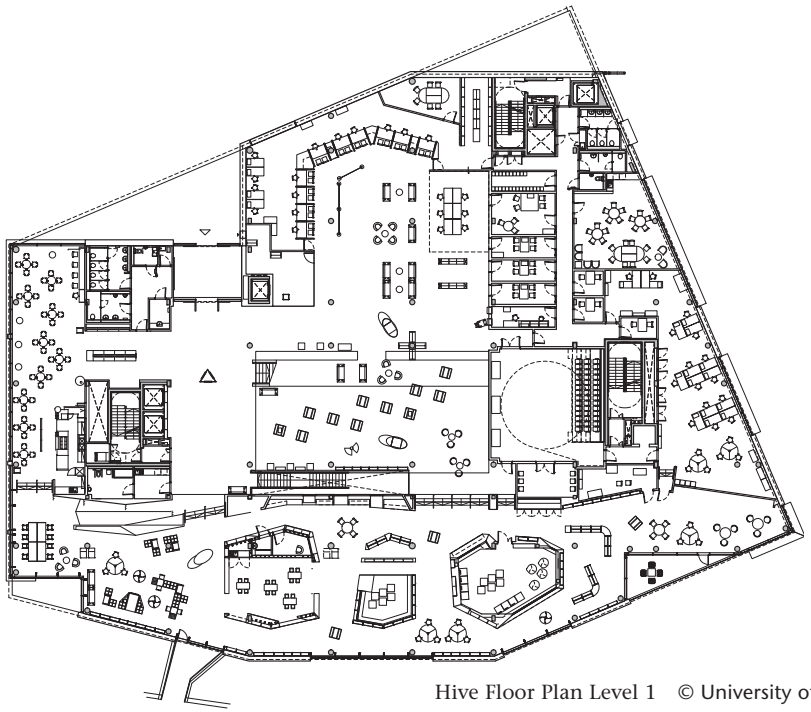
Hive Internal view 2 © University of Worcester

Hive Children's Library © University of Worcester

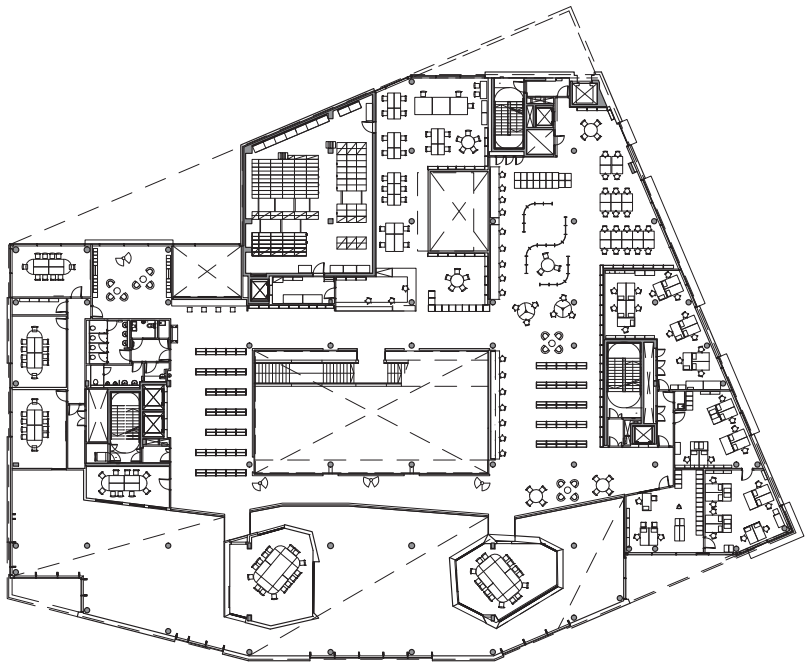


Hive Floor Plan Level 0 © University of Worcester

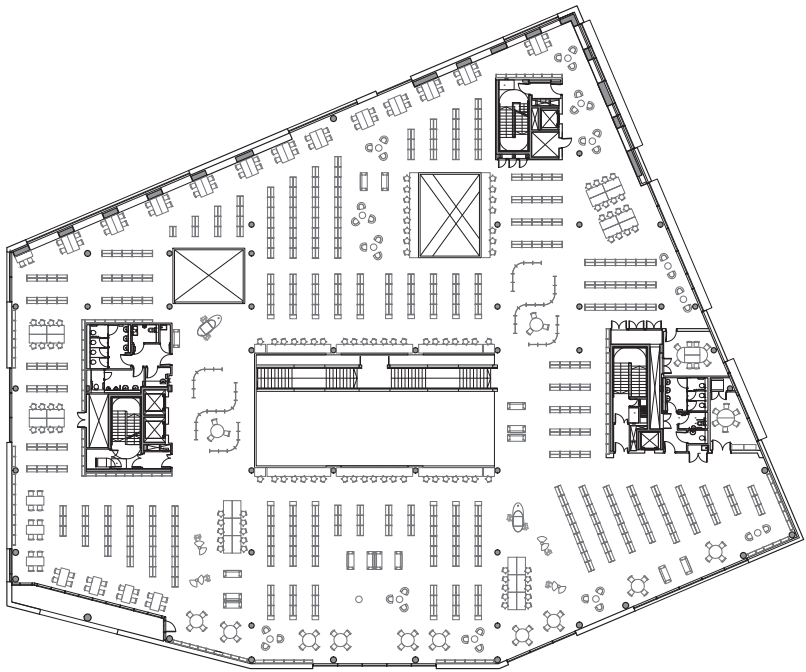
The Hive. Worcester, United Kingdom



Hive Floor Plan Level 1 © University of Worcester



Hive Floor Plan Level 2 © University of Worcester



Hive Floor Plan Level 3 © University of Worcester

Questionnaire: Description of New University and Research Library Buildings in Europe

A General information

a Name and address

1 Type of library:

2 Name of library / Name of mother institution

3 Address:

4 Phone, Fax and E-mail:

5 Name of the director of the library:

6 Contact person for enquiries, E-mail, Phone:

b Population served

7 Current readership, number of registered readers:

8 Number of full time students:

9 Number of part time students:

10 Number of staff in institution:

c The old/original building(s) before the new project before the new project

11 Total floor area:

12 Number of reader seats:

13 Total capacity of shelving:

14 in open access storage:

15 in closed access stacks:

16 Number of library staff (full time equivalent):

17 Opening hours to the public:

B The new building

a Architect(s)

18 Firm:

19 Project architect:

20 Type of project:

b Aims of the new building

21 Short description of the main objectives and purposes of the project:

c Special Features

22 Site:

23 Architecture:

C Technical information

a Floor area

24 Total gross floor area (incl. corridors, stairs, lifts, technical rooms, etc):

Divided into

25 Open access services (reference room, reading rooms, holdings - books and periodicals, circulation and information desks, etc.):

Special rooms for:

26 Audiovisual:

27 Computers:

28 Special collections:

29 Seminar room(s) (group study, training rooms)

Special activities:

30 Exhibition space:

31 Lecture hall:

32 Public refreshments:

33 Administration and staff areas:

34 Closed access stacks:

35 Circulation areas (corridors, stairs, lifts, toilets, technical rooms, etc):

36 Further information:

37 Number of reader seats (total):

Divided into

38 Audiovisual:

39 Computer places:

40 Seminar room(s):

41 Regular:

b Total potential capacity of shelving

42 Books and periodicals (total):

Including

43 Open access stacks:

44 Closed access stacks:

45 Compact shelving:

46 Audiovisual materials:

47 Other:

48 Number of staff required to operate the new library (full-time equivalent):

c Mechanical features

49 Ventilation/Air Conditioning:

50 Heating:

51 Lighting:

52 Acoustics:

53 Lifts, elevators, escalators:

54 Book transportation system:

55 Theft detection:

56 Building management system:

57 Type of IT infrastructure (network type and capacity):

58 Other:

D Schedule of the building process

59 Planning, preliminary brief:

60 Architectural competition:

61 Period of project:

62 Opening of the construction work:

63 Conclusion of the building work:

64 Furnishing and moving the collection:

65 Opening of the new building for public:

E Costs (including taxes)

66 Site:

67 Building:

68 Furniture and equipment:

69 Fees:

70 Total:

71 Operating costs:

72 Funding:

F Publications and Awards

Questionnaire : sur les nouveaux batiments de bibliotheques universitaires et de recherche en Europe

A Informations générales

a Nom et adresse

1 Type de bibliothèque :

2 Nom de la bibliothèque / Nom de la maison-mère :

3 Adresse :

4 Numéros de téléphone, fax et e-mail :

5 Nom du directeur de la bibliothèque :

6 Personne à contacter, e-mail, téléphone :

b Population desservie

7 Nombre de lecteurs inscrits :

8 Nombre d'étudiants à plein temps :

9 Nombre d'étudiants à temps partiel :

10 Nombre de personnel :

c Situation de la bibliothèque avant le nouveau projet

11 Superficie totale :

12 Nombre de places de consultation :

13 Capacité totale de stockage :

14 Collections en libre accès :

15 Collections en magasins fermés :

16 Nombre de personnel de la bibliothèque (équivalent plein temps) :

17 Ouverture au public :

B Le nouveau bâtiment

a Architecte(s)

18 Agence :

19 Chef de projet :

20 Type de projet :

b Buts du nouveau bâtiment

21 Brève description des principaux objectifs et raisons d'être du projet :

c Caractéristiques

22 Site :

23 Architecture :

C Informations techniques

a Surface

24 Surface totale (inclus couloirs, escaliers, ascenseurs, locaux techniques etc.; en mètres carrés) :

Divisée en

25 Services en libre accès (salle de références, salles de lecture, patrimoine – livres et périodiques, bureaux d'accueil et service de prêt, etc.) :

Salles spéciales pour :

26 Audiovisuel :

27 Informatique :

28 Collections spécialisées :

29 Salle(s) d'étude : pour groupes, formation

Salles pour autres activités :

30 Espace d'exposition :

31 Salle de conférence :

32 Cafétéria :

33 Administration et locaux réservés au personnel :

34 Magasins fermés :

35 Zones de circulation (couloirs, escaliers, ascenseurs), sanitaires, locaux techniques, etc. :

36 Autres informations :

37 Nombre de places de lecture (total) :

Divisé en

38 Audiovisuel :

39 Informatique :

40 Salle(s) de formation/réunion :

41 Places de travail :

b Capacité potentielle totale de stockage

42 Livres et périodiques (total) :

Inclus :

43 En libre accès :

44 En magasins fermés :

45 Dont en rayonnages mobiles :

46 Documents audiovisuels :

47 Autres :

48 Nombre de personnel nécessaire pour faire fonctionner la nouvelle bibliothèque (équivalent plein temps) :

c Caractéristiques techniques

49 Ventilation/Climatisation :

50 Chauffage :

51 Eclairage :

52 Acoustique :

53 Ascenseurs, monte-charges, escalators :

54 Système de transport automatique de documents :

55 Détection antivol :

56 Gestion informatisée du bâtiment :

57 Type d'infrastructure informatique :

58 Autres :

D Échéancier de réalisation

59 Élaboration du programme :

60 Concours d'architecture :

61 Durée d'élaboration du projet :

62 Démarrage des travauxde construction :

63 Fin des travaux de construction :

64 Ameublement et déménagement des collections :

65 Date d'ouverture du nouveau bâtiment au public :

E Coûts

66 Terrain :

67 Bâtiment :

68 Mobilier et équipement :

69 Honoraires :

70 Total :

71 Coûts des opérations :

72 Financement :

F Publications et récompenses

Fragebogen: Neue Gebäude von Universitätsbibliotheken und Wissenschaftlichen Bibliotheken

A Allgemeine Informationen

a Name und Adresse

1 Bibliothekstyp:

2 Name der Bibliothek / Name der Trägereinrichtung:

3 Adresse:

4 Telefon- und Faxnummer, E-Mail-Adresse :

5 Name des Direktors / der Direktorin der Bibliothek:

6 Kontaktperson, Telefonnummer, E-Mail-Adresse:

b Publikum

7 Anzahl der angemeldeten Bibliotheksbenutzerinnen und Benutzer:

8 Anzahl der Vollzeit-Studierenden:

9 Anzahl der Teilzeit-Studierenden:

10 Anzahl der Beschäftigten in der Einrichtung:

c Situation der Bibliothek im alten Gebäude vor der Realisierung des neuen Projekts

11 Gesamtfläche:

12 Anzahl der Nutzerarbeitsplätze:

13 Gesamtkapazität Stellfläche:

14 davon in Freihand-Aufstellung:

15 davon in geschlossenen Magazinen:

16 Anzahl der Beschäftigten in der Bibliothek (Vollzeit-Äquivalente):

17 Öffnungszeiten im alten Gebäude:

B Das neue Gebäude

a Architekt(en)

18 Büro:

19 Projektleitung:

20 Art des Projektes:

b Ziele des Bauprojektes

21 Kurze Beschreibung der Hauptziele und Absichten des Projektes:

c Spezielle Merkmale

22 Ort:

23 Architektur:

C Technische Information

a Gesamtfläche

24 Netto-Grundfläche (inkl. Korridore, Treppen, Aufzüge, technische Räume etc.):

Unterteilt in:

25 Benutzungsbereiche (Auskunftsräume, Lesesäle, Buch- und Zeitschriftenbestände, Ausleihe, Information, etc.):

Spezielle Räume für:

26 Audiovisuelle Medien:

27 Computer:

28 Sondersammlungen:

29 Schulungs- und Seminarraum (-räume) (auch für Gruppenarbeit):

Räume für besondere Aktivitäten:

30 Ausstellungsraum:

31 Vortragssaal:

32 Cafeteria:

33 Räume für Verwaltung und Personal:

34 Geschlossene Magazinräume:

35 Verkehrsflächen (Flure, Treppen, Aufzüge, Sanitärräume und Räume für die Betriebs- und Haustechnik, etc):

36 Weitere Angaben (Informationen):

37 Anzahl der Benutzerarbeitsplätze (gesamt):

Unterteilt in

38 Anzahl audiovisueller Arbeitsplätze:

39 Anzahl der Computer-Arbeitsplätze:

40 Anzahl von Plätzen in Schulungs- und Seminarräumen:

41 Anzahl übriger Benutzerarbeitsplätze:

b Gesamtkapazität der Stellfläche für Regale

42 Bücher und Zeitschriften (gesamt):

Enthält:

43 Freihand-Aufstellung:

44 geschlossene Magazine:

45 Kompaktregale:

46 Audiovisuelle Materialien:

47 Andere:

48 Anzahl des Personals, das für den Service im neuen Gebäude benötigt wird (Vollzeit-Äquivalente):

c Mechanische Eigenschaften (Haus- und Betriebstechnik) (Haus- und Betriebstechnik)

49 Lüftung/Klimatisierung:

50 Heizung:

51 Beleuchtung:

52 Akustik:

53 Aufzüge, Rolltreppen:

54 Buchtransportsystem:

55 (Buch-)Diebstahlsicherung:

56 Gebäudeautomatisierung:

57 Typ der IT-Infrastruktur (Netwerktyp und Kapazität) :

58 Andere:

D Zeitplan des Bauprozesses des Bauprozesses

59 Erste Planung, Aufstellung des Raumprogramms:

60 Wettbewerb:

61 Projektzeitraum

62 Baubeginn:

63 Fertigstellung

64 Einrichtung und Umzug der Sammlung:

65 Eröffnung des neuen Gebäudes für die Öffentlichkeit:

E Kosten (incl. Steuern) (incl. Steuern)

66 Ausgaben für das Grundstück :

67 Ausgaben für das Gebäude:

68 Ausgaben für Mobiliar und Ausstattung:

69 Ausgaben für Honorare:

70 Gesamtausgaben für das Bauprojekt:

71 Jährliche laufende Betriebskosten (Haustechnik):

72 Finanzierung:

F Publikationen und Auszeichnungen

Questionario: descrizione nuovi edifici di biblioteche universitarie e di ricerca in Europa

A Informazioni generali sulla biblioteca

a Nome e indirizzo

1 Tipo di biblioteca:

2 Nome: / Nome dell'istituzione madre

3 Indirizzo:

4 Telefono, fax e indirizzo di posta elettronica:

5 Nome del direttore della biblioteca:

6 Persona da contattare, indirizzo di posta elettronica, telefono:

b Utenza

7 Numero attuale di utenti registrati:

8 Numero di studenti a tempo pieno:

9 Numero di studenti a tempo parziale:

10 Numero di personale dell'istituzione:

c Caratteristiche della biblioteca (prima del nuovo progetto)

11 Superficie totale (in m^2):

12 Numero di posti di lettura:

13 Capacità di stivaggio (espressa in metri lineari o numero di libri e periodici):

14 a scaffale aperto:

15 a magazzino:

16 Unità di personale (espresso in full time equivalent):

17 Orario di apertura (espresso in ore di apertura settimanali e in numero di giorni per anno):

B Il nuovo edificio: obiettivi e caratteristiche

a Architetto(i)

18 Studio:

19 Architetto progettista:

20 Tipo di progetto

b Obiettivi del nuovo edificio

21 Breve descrizione dei principali obiettivi del progetto:

c Caratteristiche

22 Localizzazione:

23 Architettura:

C Informazioni tecniche sul nuovo edificio

a Superficie

24 Superficie totale (inclusi corridoi, scale, ascensori, locali tecnici, ecc.):

Diviso in

25 Aree ad accesso libero (reference, sale di lettura, sale di consultazione libri e periodici, punti informativi e di prestito, ecc.):

Sale ad uso speciale per:

26 Audiovisivi:

27 Postazioni informatiche:

28 Collezioni particolari:

29 Sale seminariali:

Attività speciali:

30 Spazi espositivi:

31 Sala conferenze:

32 Caffetteria:

33 Spazi dedicati al personale:

34 Magazzini chiusi al pubblico :

35 Collegamenti verticali e orizzontali (corridoi, scale, ascensori), servizi igienici, locali tecnici:

36 Altri dati (es. numero di piani, numero di piani accessibili al pubblico, ecc.):

37 Numero di posti di lettura (totale):

Diviso in

38 Postazioni per gli audiovisivi:

39 Postazioni informatiche:

40 Sala/e seminari:

41 Postazioni di lavoro:

b Capacità massima di stoccaggio

42 Libri e periodici:

43 a scaffale aperto:

44 a magazzino:

45 in scaffali compatti:

46 Materiale audiovisivo:

47 Altro:

48 Personale necessario per il funzionamento della nuova biblioteca (espresso in full time equivalent):

c Caratteristiche tecniche

49 Sistema di climatizzazione:

50 Sistema di riscaldamento:

51 Illuminazione:

52 Acustica:

53 Ascensori, montacarichi, scale:

54 Sistemi di trasporto dei libri:

55 Sistema Antitaccheggio:

56 Gestione computerizzata dell'edificio:

57 Tipo di infrastruttura IT (capacità di cablaggio):

58 Altro:

D Tempi di realizzazione del nuovo edificio

59 Elaborazione del programma:

60 Concorso per la progettazione:

61 Durata della progettazione:

62 Apertura del cantiere:

63 Chiusura del cantiere:

64 Allestimento arredi e trasloco delle collezioni:

65 Data di apertura del nuovo edificio al pubblico:

E Costi

66 Terreno:

67 Edificio:

68 Arredi e attrezzature:

69 Onorario:

70 Totale:

71 Costi operativi:

72 Finanziamento (risorse del finanziamento, i.e. private,pubbliche)

F Pubblicazioni e premi

Cuestionario: descripción de bibliotecas de investigación y universitarias de reciente construcción en Europa

A Información general sobre su biblioteca

a Nombre y dirección

1 Tipo de:

2 Nombre de la biblioteca / Nombre de institución matriz:

3 Dirección:

4 Teléfono, fax y dirección electrónica:

5 Nombre del director de la biblioteca:

6 Persona de contacto, dirección de correo electrónico, teléfono:

b Usuarios

7 Número de usuarios actuales, número de usuarios registrados:

8 Número de estudiantes a tiempo completo:

9 Número de estudiantes a tiempo parcial:

10 Número de empleados de la institución:

c Edificio(s) anterior(es)/original(es)

11 Superficie total:

12 Número de asientos para los lectores:

13 Capacidad total de almacenaje:

14 en estanterías de acceso libre:

15 en estanterías de acceso restringido:

16 Personal de la biblioteca (número equivalente a personas con jornada completa):

17 Horarios de apertura al público:

B Características del nuevo edificio

a Arquitecto(s)

18 Despacho:

19 Arquitecto del proyecto:

20 Tipo de proyecto:

b Finalidad del nuevo edificio

21 Breve descripción de los principales objetivos y fines del proyecto:

c Características especiales

22 Solar:

23 Arquitectura:

C Información técnica

a Superficie

24 Superficie total (incluyendo pasillos, escaleras, elevadores, salas de máquinas, etc.; metros o pies cuadrados):

Dividido entre

25 Servicios de acceso libre (salas de índices, salas de lectura, salas de publicaciones, información, etc.):

Salas especiales para:

26 Audiovisuales:

27 Ordenadores:

28 Colecciones especiales:

29 Sala(s) de seminarios: estudio en grupo, aulas de formación

Actividades especiales:

30 Espacio para exposiciones:

31 Sala de conferencias:

32 Sala de ocio:

33 Zonas de personal y de administración:

34 Estanterías de acceso restringido:

35 Zonas de circulación (pasillos, escaleras, elevadores), aseos, salas de máquinas, etc.:

36 Más información:

37 Número de asientos para lectores (Total):

Dividido entre

38 Audiovisuales:

39 Ordenadores:

40 Sala(s) de seminarios:

41 Resto:

b Capacidad potencial de almacenaje

42 Libros y publicaciones (en total):

Incluyendo:

43 Estanterías de acceso libre:

44 Estanterías de acceso restringido:

45 Estanterías compactas:

46 Materiales audiovisuales:

47 Otros:

48 Número de empleados requeridos para el funcionamiento de la nueva biblioteca (equivalente a personas con jornada completa):

c Características técnicas

49 Ventilación/Aire acondicionado:

50 Calefacción:

51 Iluminación:

52 Megafonía:

53 Elevadores, montacargas, escaleras:

54 Sistema de transporte de libros:

55 Sistema antirrobo:

56 Control informatizado del edificio:

57 Tipo de cableado informático:

58 Otros:

D Calendario del proceso de edificación

59 Planteamiento, borradores iniciales:

60 Concurso arquitectónico:

61 Tiempo para el proyecto:

62 Fecha de inicio de las obras:

63 Finalización de las obras:

64 Equipamiento y traslado de la colección:

65 Fecha de apertura del nuevo edificio para el público:

E Costes

66 Solar:

67 Edificación:

68 Equipamientos y mobiliario:

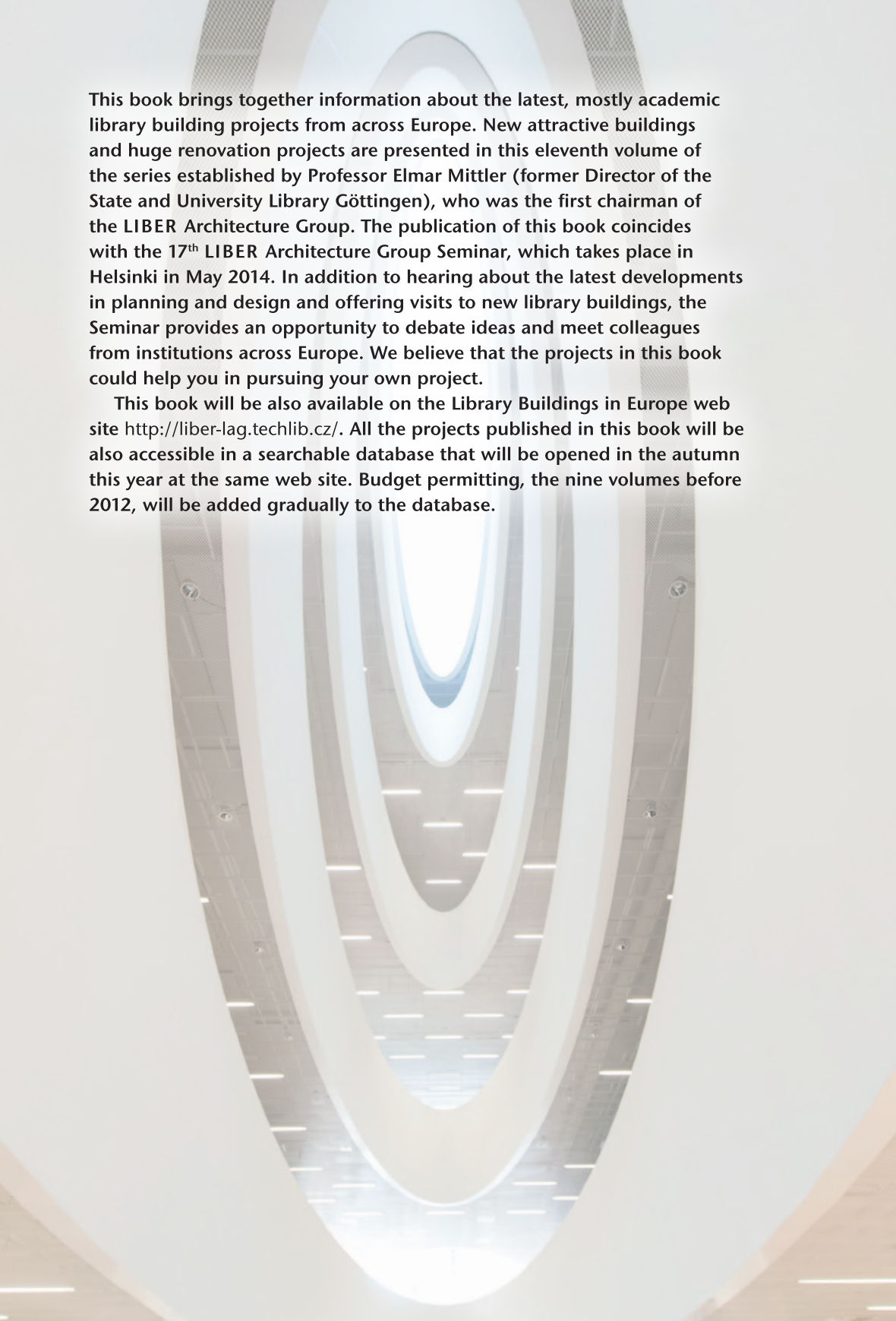
69 Tasas:

70 Total:

71 Costes de funcionamiento:

72 Financiación:

F Publicaciones y premios



This book brings together information about the latest, mostly academic library building projects from across Europe. New attractive buildings and huge renovation projects are presented in this eleventh volume of the series established by Professor Elmar Mittler (former Director of the State and University Library Göttingen), who was the first chairman of the LIBER Architecture Group. The publication of this book coincides with the 17th LIBER Architecture Group Seminar, which takes place in Helsinki in May 2014. In addition to hearing about the latest developments in planning and design and offering visits to new library buildings, the Seminar provides an opportunity to debate ideas and meet colleagues from institutions across Europe. We believe that the projects in this book could help you in pursuing your own project.

This book will be also available on the Library Buildings in Europe web site http://liber-lag.techlib.cz/. All the projects published in this book will be also accessible in a searchable database that will be opened in the autumn this year at the same web site. Budget permitting, the nine volumes before 2012, will be added gradually to the database.