

Ligue des Bibliothèques Européennes
de Recherche
Architecture Group Seminar

New Library Buildings in Europe

Documentation 2010

Edited by Inken Feldsien-Sudhaus



Universitätsverlag Göttingen

Inken Feldsien-Sudhaus (Ed.)
New Library Buildings in Europe

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Recherche
LIBER Architecture Group

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2010



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Introduction

I am very pleased to introduce this documentation which brings together information about the latest academic library building projects from across Europe. This book continues the tradition established by Professor Elmar Mittler (formerly Director of the State and University Library Göttingen), who was the first chairman of the LIBER Architecture Group.

We would like to acknowledge the generous financial support which has enabled this volume to be published. This has been provided by:

- L'APPEL DU LIVRE, Paris, France
- EKZ.BIBLIOTHEKSSERVICE, Reutlingen, Germany
- ELECTRE, Paris, France
- LIBER Executive Board

The publication of this book coincides with the 15th LIBER Architecture Group Seminar which will take place in Madrid in April 2010. We would like to take this opportunity to thank our host, the National Library of Spain, for their kind hospitality!

In addition to hearing about the latest developments in planning and design and offering visits to new library buildings, the Seminar provides an occasion to debate ideas and meet colleagues from institutions across Europe. We are keen to receive suggestions for topics and case studies to include in future programmes (please contact our Chairman, Ulrich Niederer (ulrich.niederer@zhbluzern.ch)).

I would like to thank all the contributors for their work; I should also like to acknowledge the support of my colleagues on the LIBER Architecture Group Committee in bringing this information together.

The format of this book means that it contains reduced versions of the documentation for each project; you will find full digital versions on the publishers' website.

I hope that the projects in this book will provide ideas for your own work and that they will also stimulate your interest in new library architecture and the creative use of space.

Inken Feldsien-Sudhaus, Editor

Hamburg University of Technology (TUHH), February 2010

Kingston-upon-Thames, Kingston University - The Nightingale Centre. Great Britain

A General information

a) Name and address

1. Academic library
2. The Nightingale Centre
3. Information Services, Kingston Hill Campus, Kingston University,
Kingston-upon-Thames. KT2 7LB
4. Tel. : 020 8417 5380
Fax : 020 8417 5312
E-Mail : library@kingston.ac.uk
5. Mr Graham Bulpitt
6. Ms Sue Stokoe

b) Population served

7. 23 135
8. 16 813
9. 3 168
10. 994

c) Conditions of the library (before the new project)

11. 4 300 m²
12. 688
13. 3 902 linear metres
14. 3 675 linear metres
15. 227 linear metres
16. 40
17. 138 hours per week (term) 80 hours per week approx. (outside of
term hours). Open 338 days per year.

B The new building: aims and features

a) Architect(s)

18. McAslan and partners
19. Arup Associates
20. Extension

b) Aims of the new building

21. The Nightingale Centre is a significant extension to the Kingston Hill Learning Resources Centre providing approximately 1 500 m² of extra study space and 300 additional study spaces. New facilities include a Learning Café, new Reception area and a Flexible Learning Centre, Self-Service Loans and Returns and a new entrance with access control to facilitate 24 hour opening

c) Special Features

22. The Nightingale Centre is located on the Kingston Hill campus of the University. This location was designated a Conservation Area in 2004. The local environment was carefully respected and local residents were consulted throughout the planning phase.
23. Sustainable materials were used in the new building. Lighting and heating systems and a natural ventilation system were chosen with particular emphasis on environmental factors.

C Technical information about the new building

a) Floor area (in m²)

24. 4 300 m²
25. 780 m²
26. 50 m² for: record player, piano keyboard, Video/DVD viewing stations
27. Integrated with main study areas
28. David Jacob record collection : 5 m²
29. 56 m²
30. yes
31. 95 m² : Flexible Learning Centre accommodates up to 40 people for teaching or small conference events
32. 50 m² for Cafe and food and drinks vending machines

- 33. 30 m² (main staff area located in original building)
- 34. 110 m²
- 35. 157 m²
- 36. 3 levels
- 37. 688
- 38. N/A
- 39. 200
- 40. 5
- 41. N/A

b) Total potential capacity of shelving

- 42. 151 324 items
- 43. 3 128 linear metres
- 44. 227 linear metres
- 45. 567 linear metres
- 46.-48. N/A

c) Mechanical features

- 49. The building utilises a variable volume forced ventilation system employing free cooling when external conditions allow. Volume is dictated by air quality and internal temperature. When temperature cannot be maintained two pipe cooling only fan coils are utilised to control the internal environment. An air cooled liquid chiller provides chilled water to the fan coils at 6 deg Celcius. In winter air is tempered by indirect gas burners in the air handling units.
- 50. Heating is by means of low pressure hot water from central gas fired boiler plant. Perimeter trench heating on all external faces offsets fabric losses.
- 51. Lighting is by high efficiency fluorescent fittings. Glare is kept to a minimum because of the high use of computers. Because of 24 hour usage there is no automatic lighting control.
- 52. There are no special acoustic measures.
- 53. No lifts or escalators.
- 54. Conveyor belt / sortation
- 55. CCTV is installed throughout the building which is manned 24 hours a day. When it is closed (Christmas, etc) door contacts and motion detectors are employed. Radio Frequency Identification (RFID)

- 56. The Building management system controls and monitors building services systems only. There is card swipe access and egress control.
- 57. Cat 5e – flood wired
- 58. Drinks / vending machines

D Schedule of the building process

- 59. 0
- 60. October 2007
- 61. N/A
- 62. May 2006
- 63. 18 months
- 64. N/A
- 65. January 2008

E Costs

- 66. N/A
- 67. £3 708 000 (three million seven hundred and eight thousand pounds sterling) + VAT
- 68. £363 000 (three hundred and sixty three thousand pounds sterling) + VAT
- 69. £537 000 (five hundred and thirty seven thousand pounds sterling) + VAT
- 70. £5,400,000 (five million four hundred thousand pounds sterling) + VAT



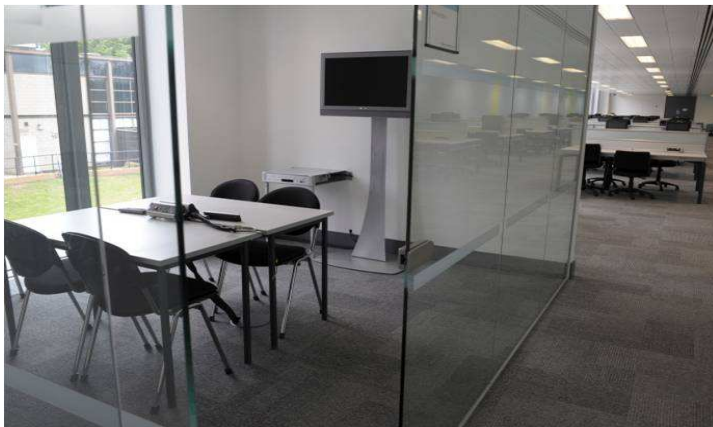
The Learning Café



(Photos: Chris Thomas)



The Nightingale Centre (Photo: Chris Thomas)



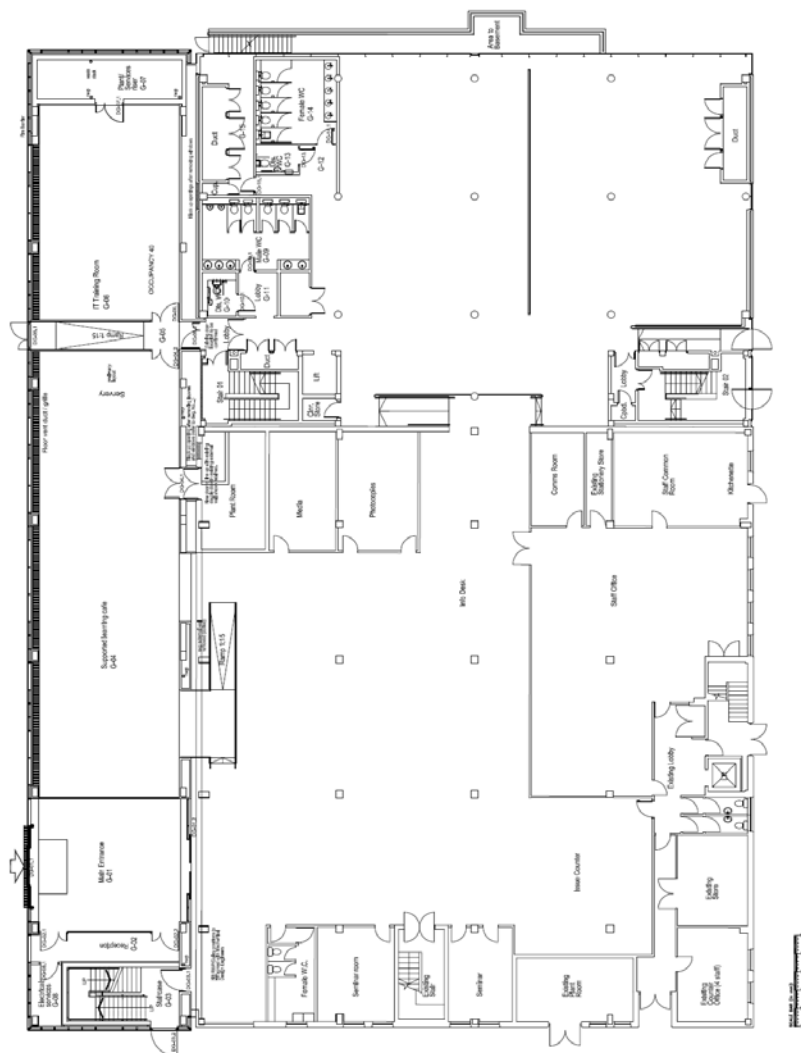
Study room (Photo: Chris Thomas)



1st floor study area (Photo: Chris Thomas)



Night view (Photo: Chris Thomas)



The Nightingale Centre – Ground Floor (Plan: Architects)

