Reshaping Freiburg University Library
Learning and Research in the Heart of the City
Dr. Antje Kellersohn
Re-organising and re-purposing space

Urban space

Building
- Architecture
- Technical equipment

Usability
- Functions
- Services
Freiburg im Breisgau
University of Freiburg

- founded in 1457
- comprehensive university with 11 faculties
- 160 degree programs
- 23,000 students
- 6,500 employees
- 10 Nobel Prize Laureates
Main Campus (Humanities)
A new space for urban life

- Tram stop
- Shopping center
- Platz der Alten Synagoge
- University buildings
- University library
- Theatre

http://www.freiburg.de/servlet/PB/show/1226729_11/Tafeln_Rotteckring_AlteSynagoge.pdf
A new space for urban life
A new space for urban life

Freiburg university library

- **Collections**
  3.5 million printed volumes
  44,000 journals (p+e, running)
  1 million e-books

- **Services**
  37,000 registered clients
  24/7 services (since 2008)
  1,000 reader seats
  1.7 million items loaned p.a.

- **Library Staff**
  175 fte’s
The „old“ library building

Quelle: http://www.freiburg.de/servlet/PB/show/1231286_l1/SS_Rotteckring.pdf
The „old“ library building

Opened in 1978

Fully air conditioned
High energy costs (> 1 M€ p.a.)

Concrete facade already damaged

Harmful building materials
synthetic mineral fibres, asbestos

Insufficient work places for users

Insufficient open stack space
The new library building

© Degelo Architekten, Basel
The new library building

“The un-worked stone becomes the polished diamond. The task for the competition consisted of renovating an existing university library from the 70s. Instead of only cutting the existing concrete elements off of the facade, the floors are also trimmed in such a way to create impetuously forward and backward tilting facades. With this simple intervention, the surface of the facade is unified over the entire building height while the inclined angles create strong relations with the surroundings that could not be more different. “

Heinrich Degelo
Goals for the new library building

Reduction of energy costs by 65 %
Energy efficient facade (glass/stainless steel),
cooling/heating with well water, solar collectors (2,000 m²)

24/7 opening and self services
Open stacks (formerly parking deck), self check-out (RFID)

Differentiated work spaces
Traditional reading room and modern learning center,

Modern ICT infrastructure
## Capacity

<table>
<thead>
<tr>
<th></th>
<th>Old building</th>
<th>New building</th>
<th>Δ</th>
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</thead>
<tbody>
<tr>
<td>Gross volume (BRI)</td>
<td>164,900 m³</td>
<td>158,900 m³</td>
<td>- 3.6%</td>
</tr>
<tr>
<td>Gross floor space (BGF)</td>
<td>41,400 m²</td>
<td>41,700 m²</td>
<td>+0.7%</td>
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<tr>
<td>Usable floor space (HNF, library)</td>
<td>26,500 m²</td>
<td>30,600 m²</td>
<td>+15%</td>
</tr>
<tr>
<td>Open stack area</td>
<td>2,200 m²</td>
<td>3,800 m²</td>
<td>+73%</td>
</tr>
<tr>
<td>User workplaces</td>
<td>1,200</td>
<td>1,700</td>
<td>+42%</td>
</tr>
</tbody>
</table>
Capacity

Work spaces
1,200 reader seats in the reading room
500 places for group working ("Parlatorium")
New media centre, conference rooms, cafeteria, lecture halls

Collections
230,000 volumes in the reading room
700,000 volumes in the open stack
3.5 million volumes in the closed stacks
Our concept

studying | researching | collaborating

Privacy
Concentration
Confidentiality
Reflection

Interaction
Communication
Group work
???
Ground floor

- Entrance
- Cloak room
- Cafeteria
- Central counter with Self check-out
First floor

Reading room
Area for concentration

Parlatorium
Area for communication

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First floor
First floor

Nursery room

Lecture hall

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Second floor

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Third floor

New media centre with Uni-TV und Uni-Radio

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Fourth floor

Special reading room
Digitization centre

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Fifth floor – open office

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First basement floor – formerly parking deck

105 m x 60 m = 6,300 m²

Water basin for sprinkler
Parking deck for bicycles
Book sorter
Second and Third basement floor – closed stacks
Sectional view (A-A)
Sectional view (B-B)

Demolition/Rebuilding
+5  Open office
+4  Reading rooms,
+3  Parlatorium…
+2
+1
0   Entrance, Café

Conversion
-1  Open stack

Operating
-2  Closed stacks
-3
Library services during the renovation

**UB 1**

Reading room
- 350,000 volumes
- 950 working places

**UB 2**

Lending department
Reading room for raw materials
New media centre
Thank you very much!

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