TRANSFORMATION Lighthouse KUB Nord – a radically new hybrid flexible facility

Anna Kathrine Bisgaard Sørensen, Arkitema DK

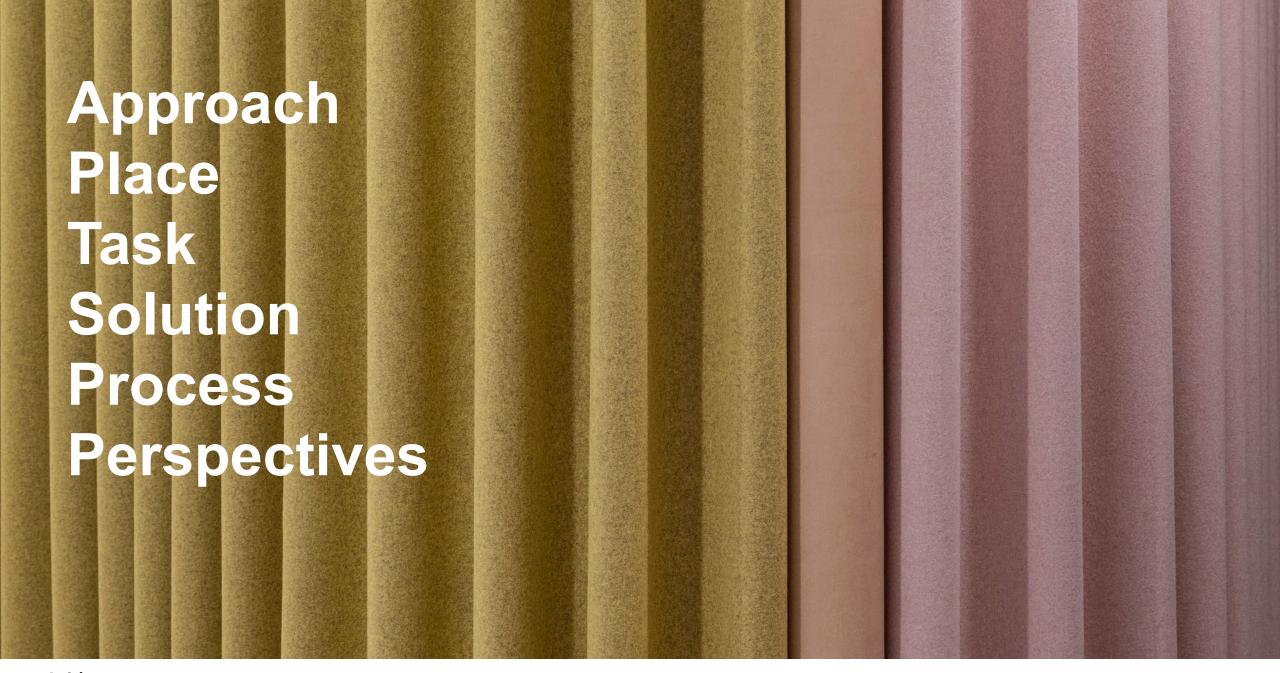
Architect MAA
Senior Creative Leader
Arkitema - Transformation & Cultural Heritage

akbs@arkitema.com +45 40797011

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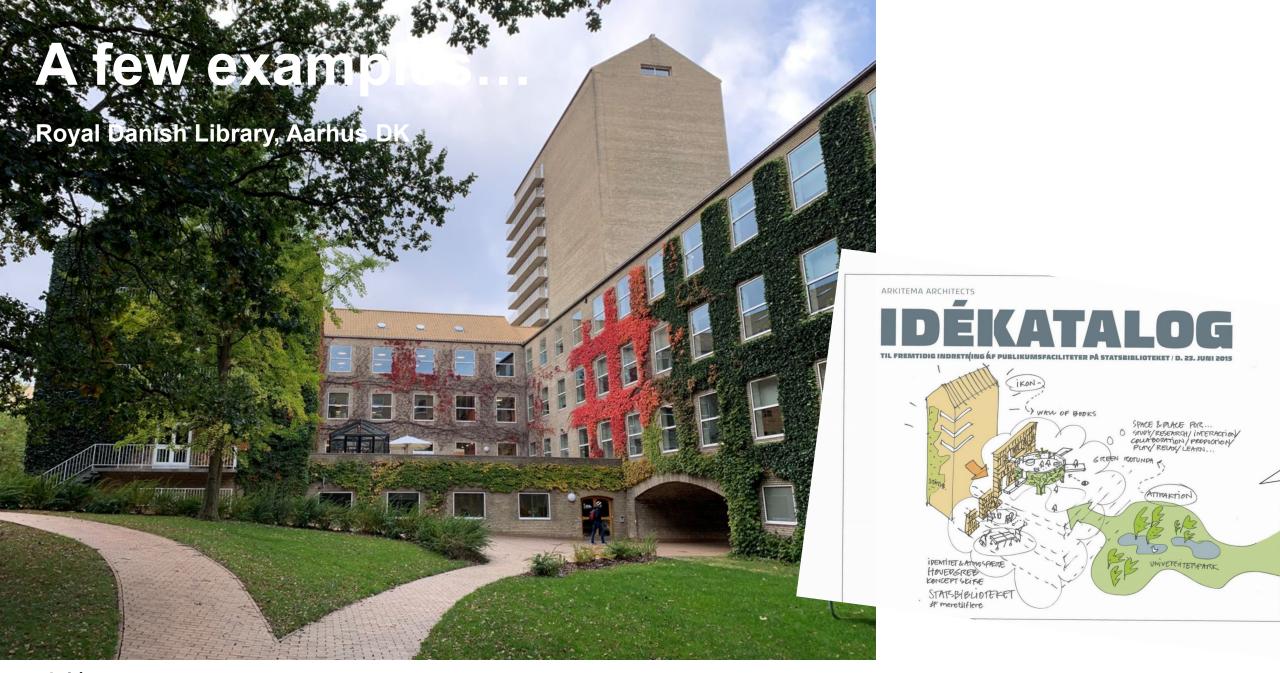




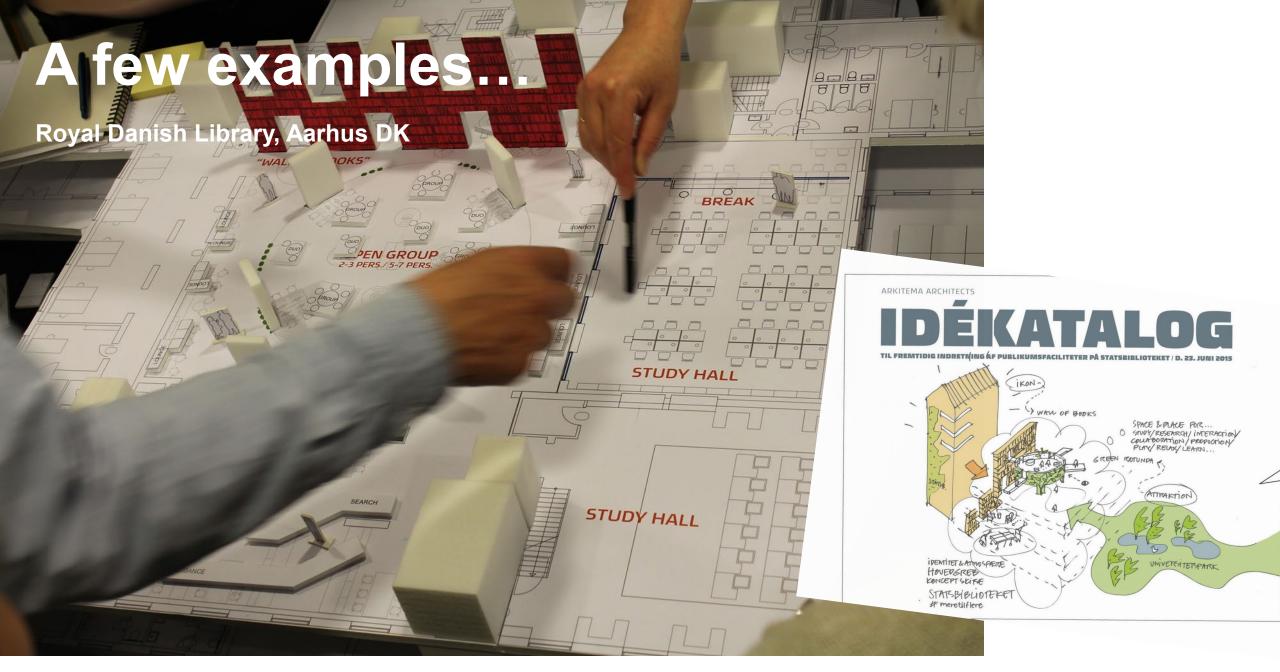
...architecture initiates interaction between content, service, users, space, place and time

we develop the design in a co-creative process with client, staff, users, suppliers and craftsmen





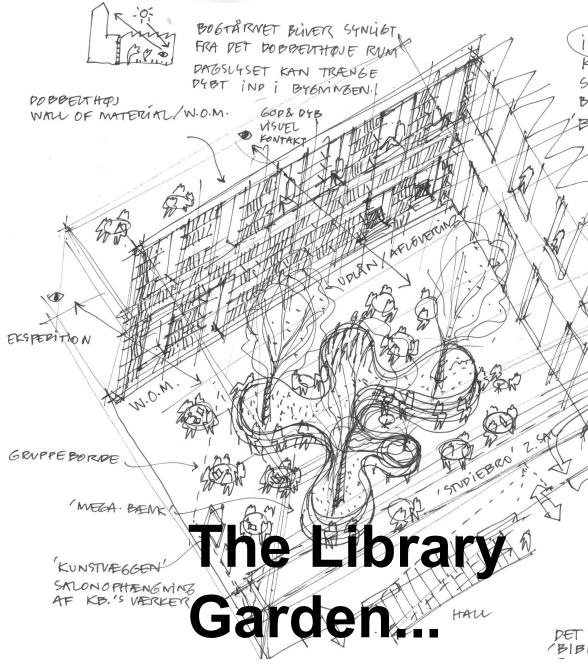




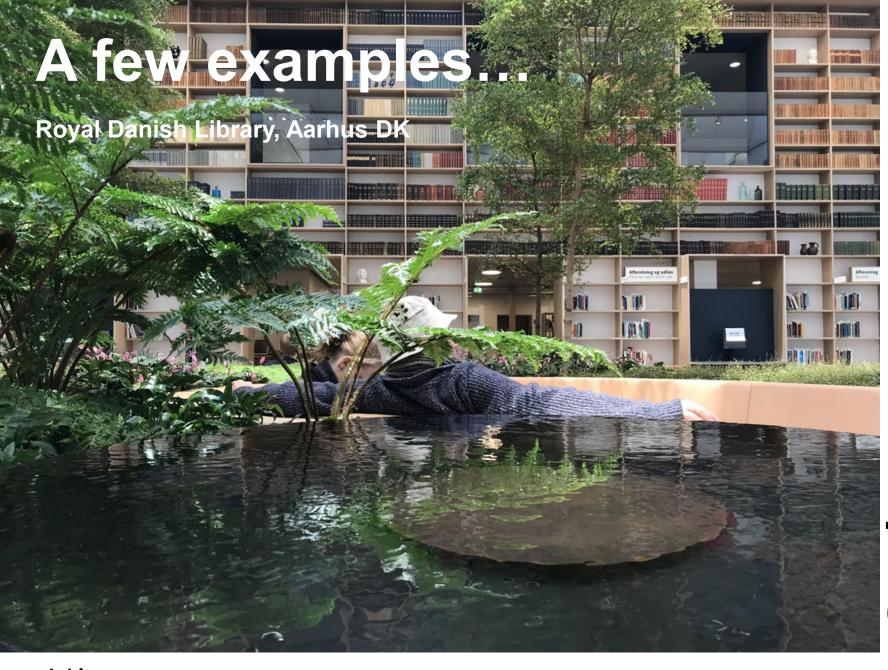
A few examples...

Royal Danish Library, Aarhus DK





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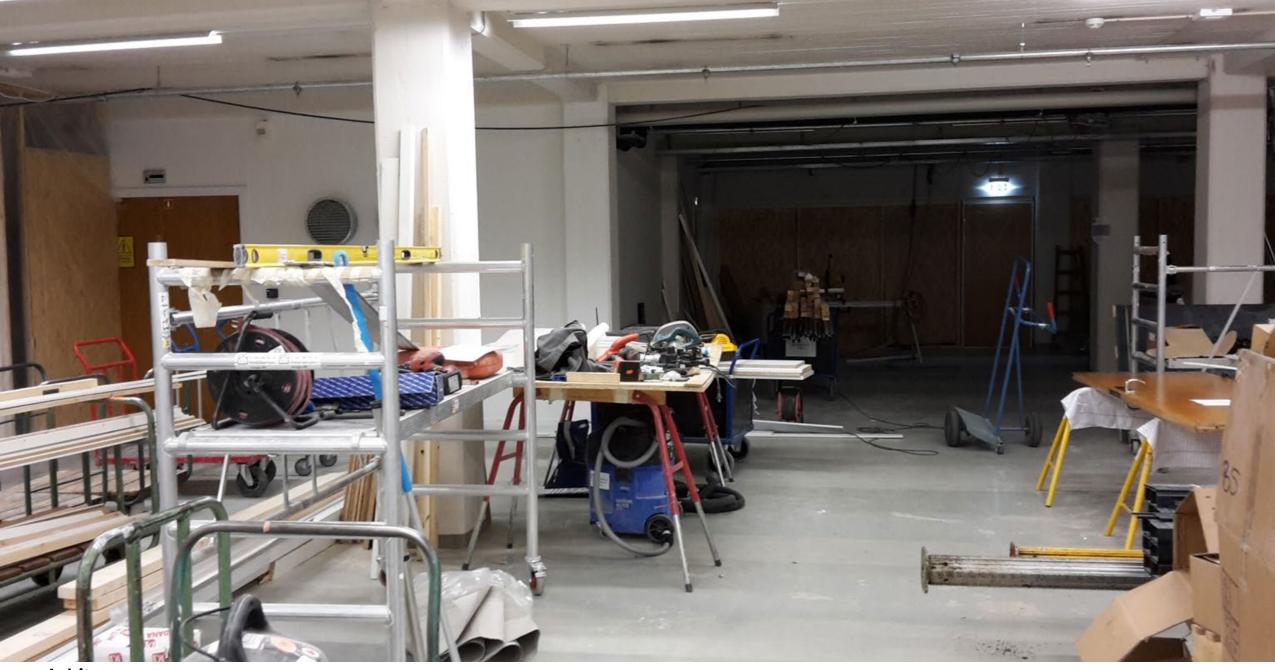


The Library Garden...



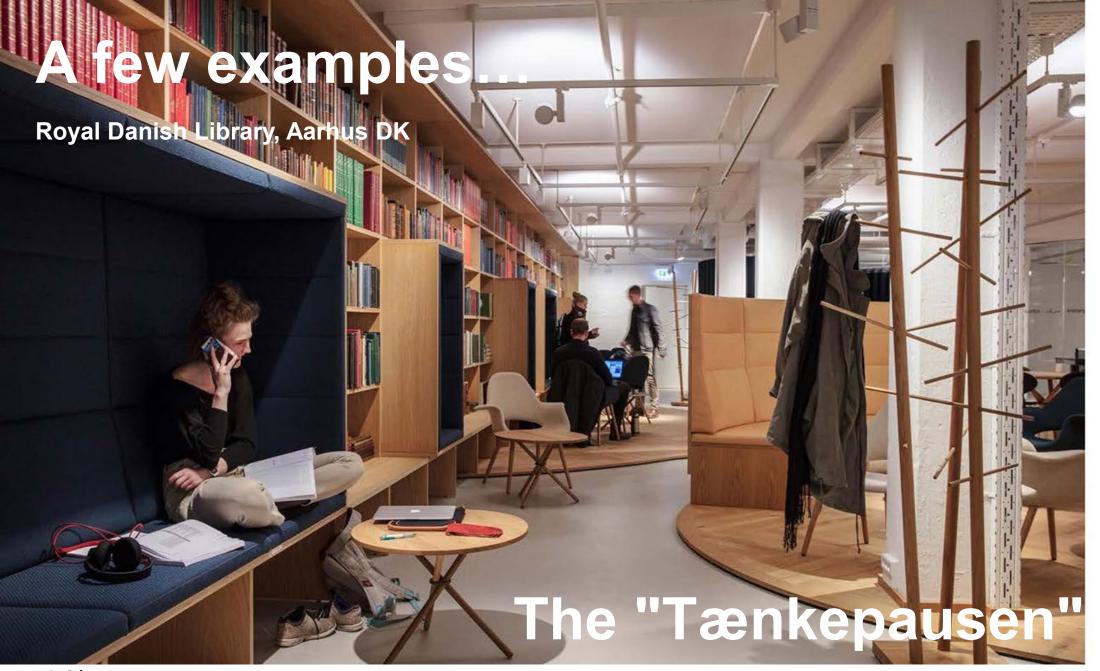
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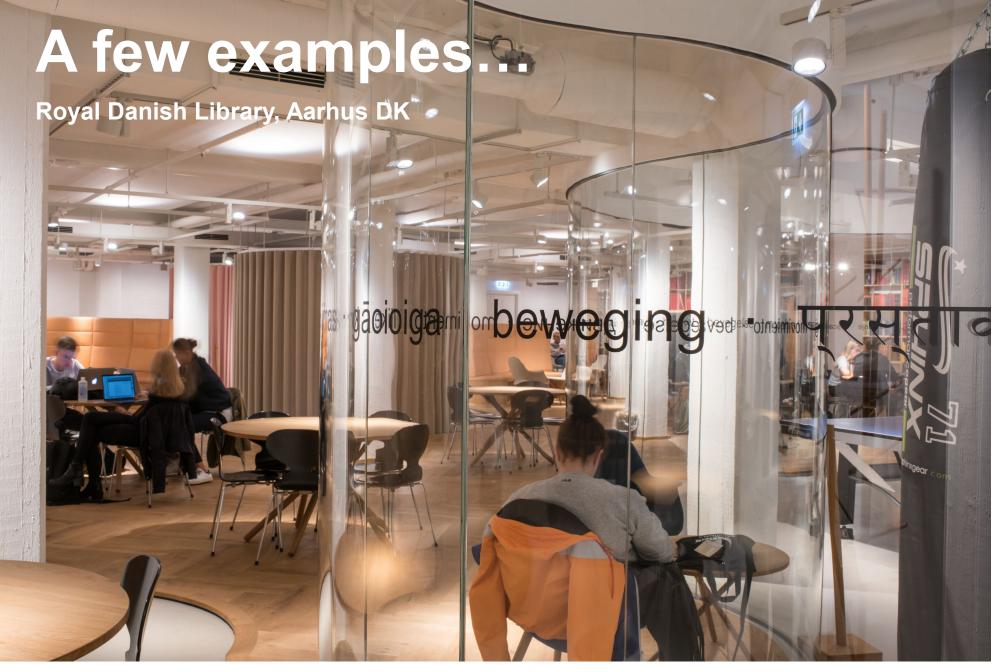


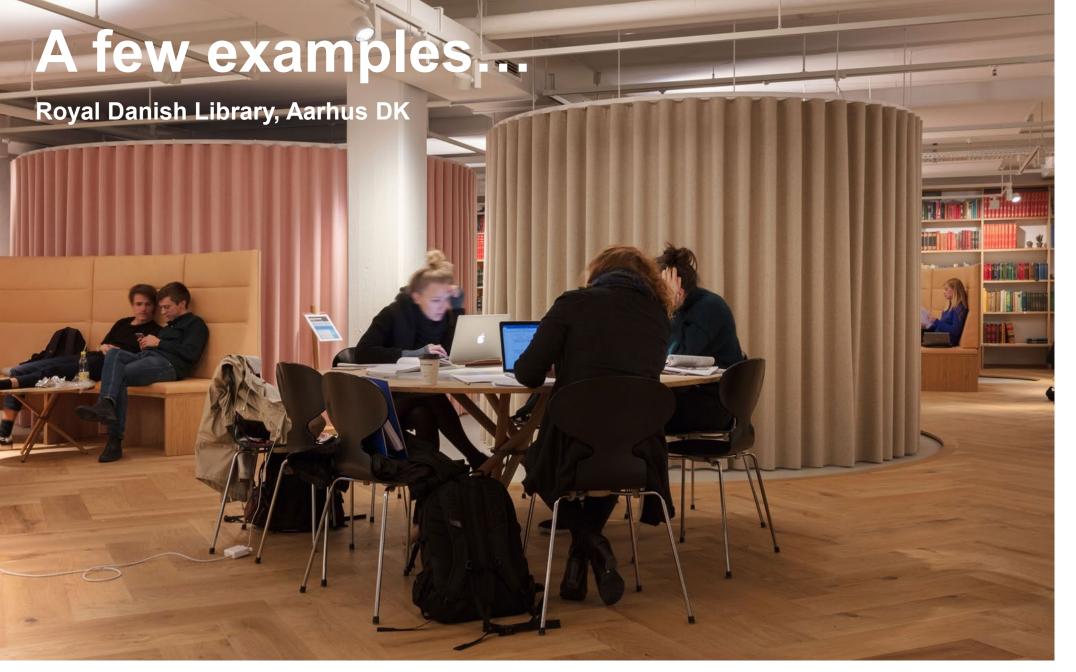
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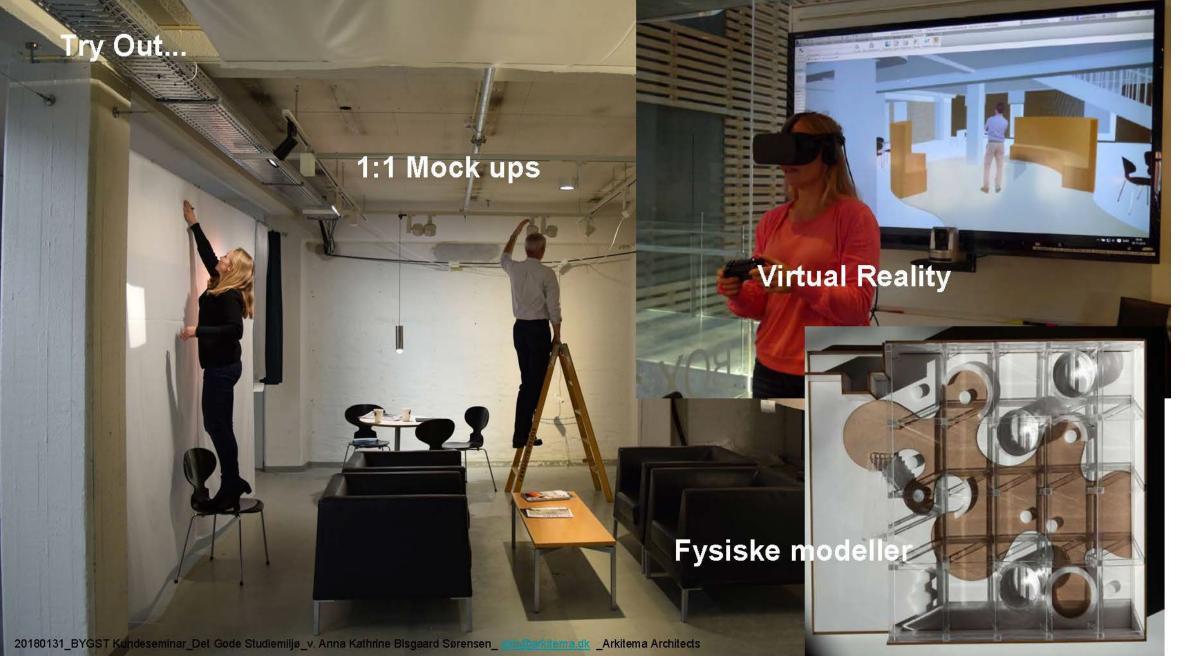
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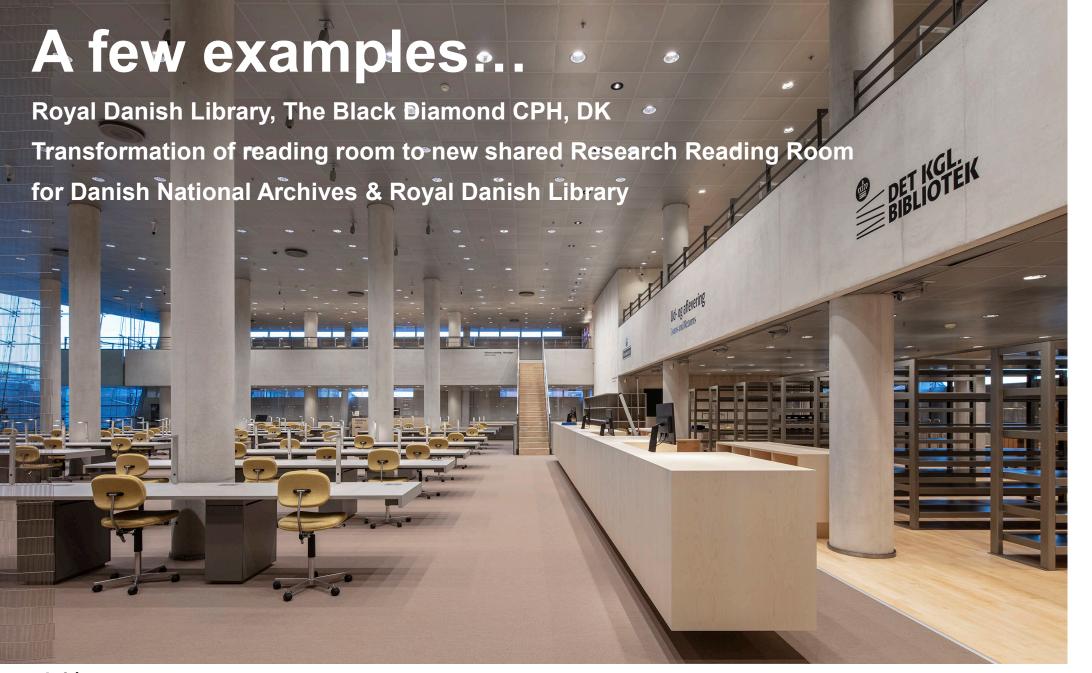
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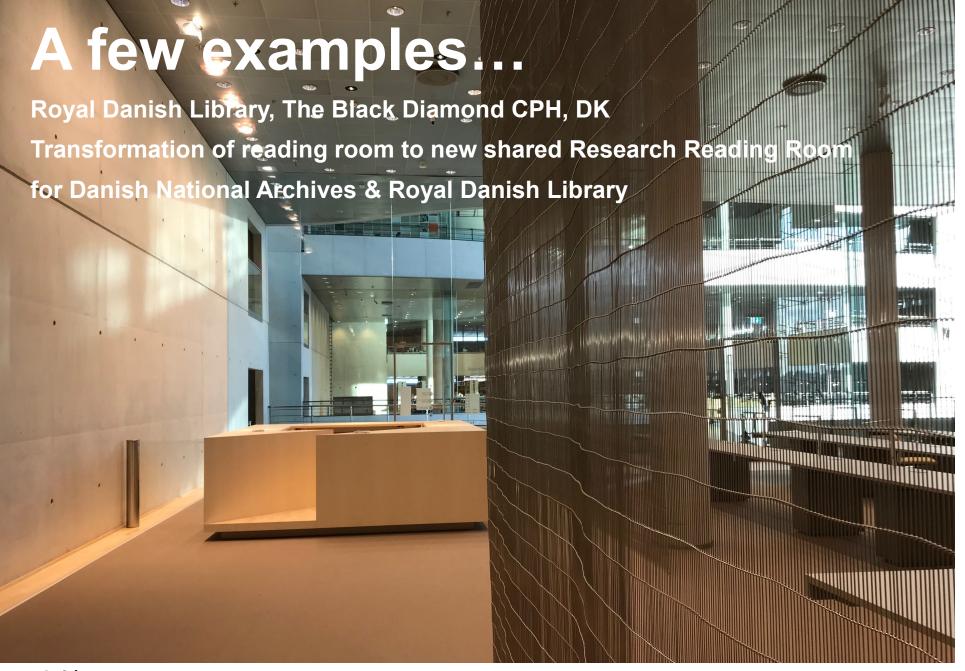
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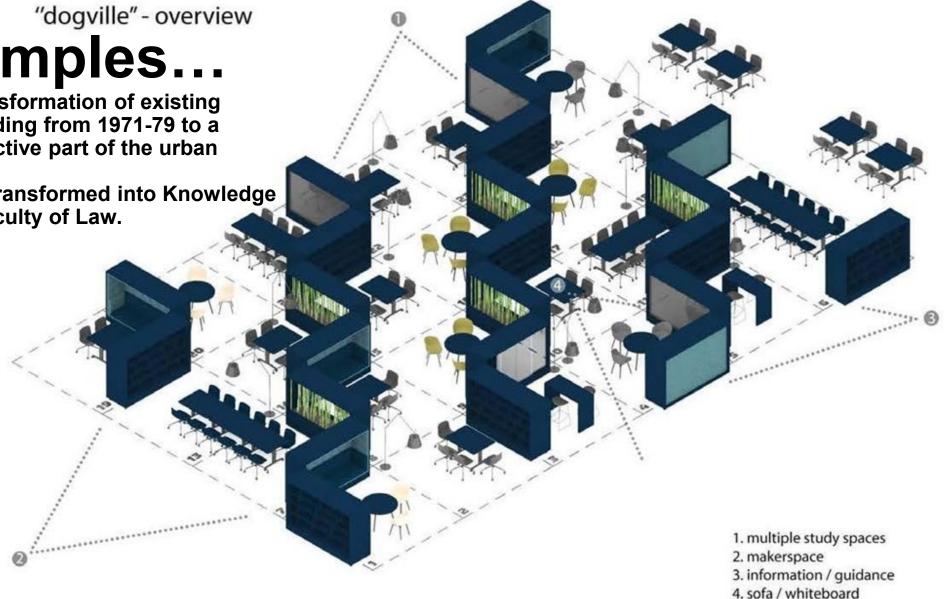


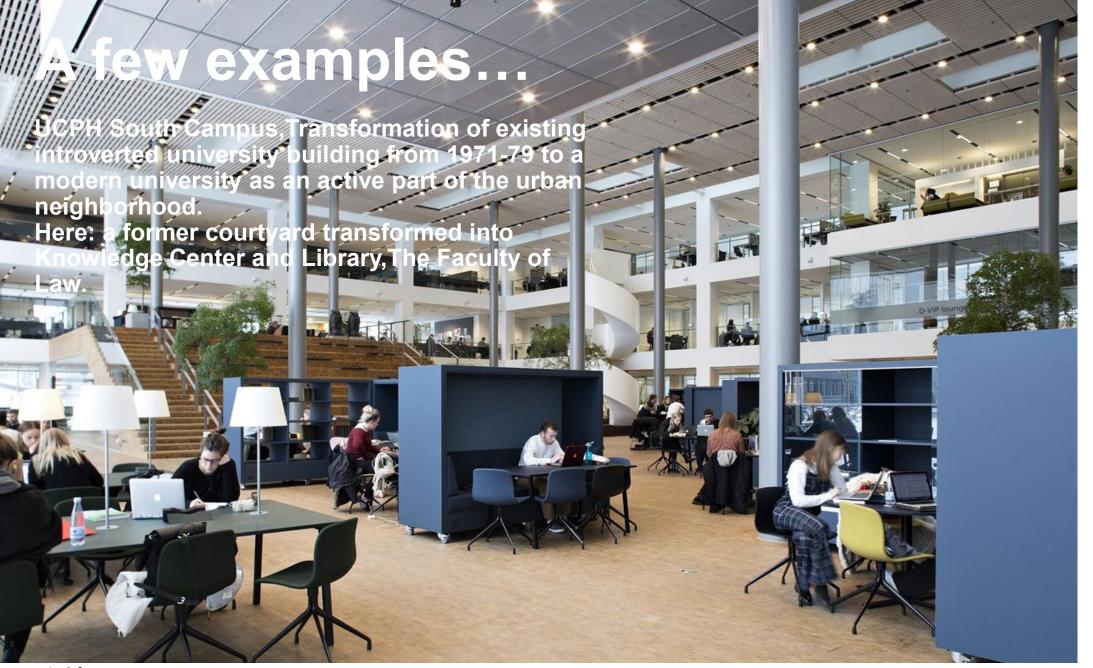


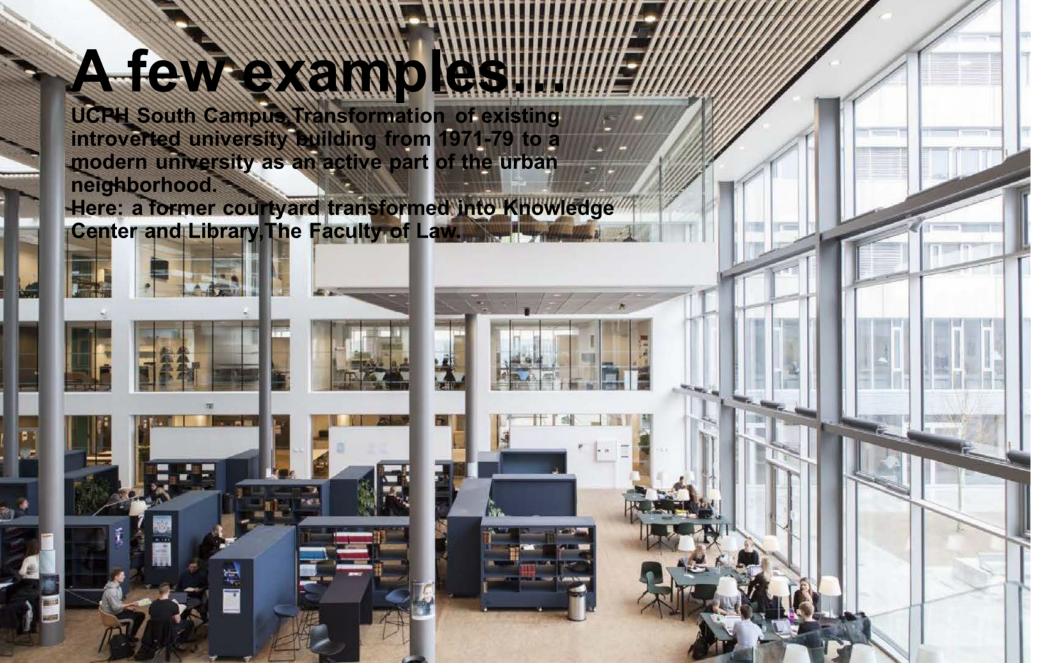


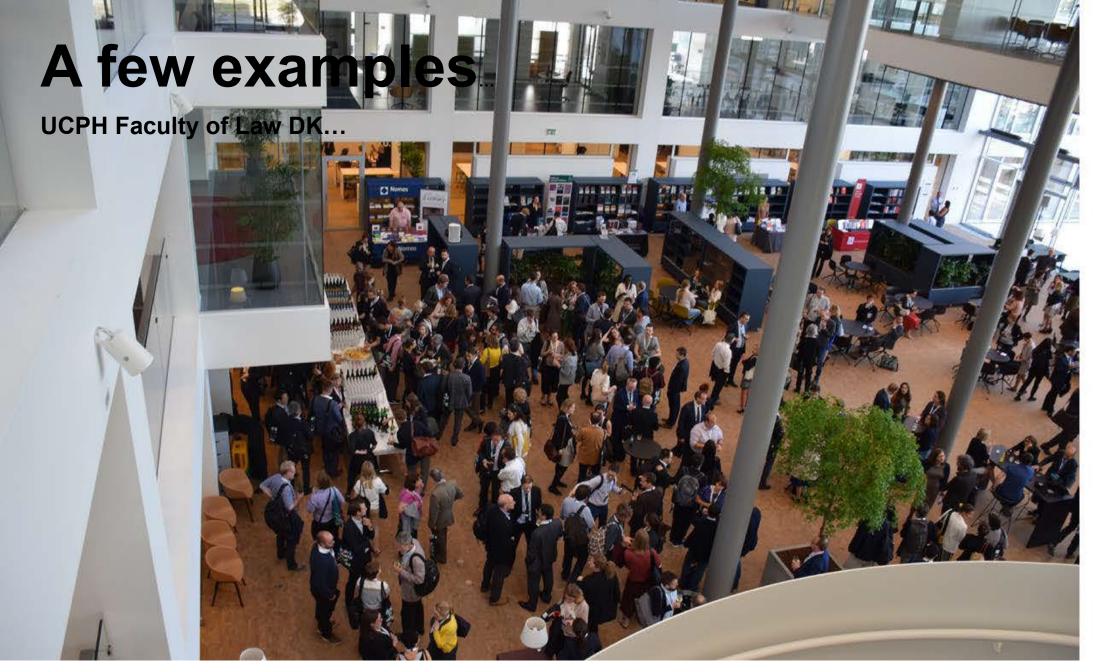
UCPH South Campus, Transformation of existing introverted university building from 1971-79 to a modern university as an active part of the urban neighborhood.

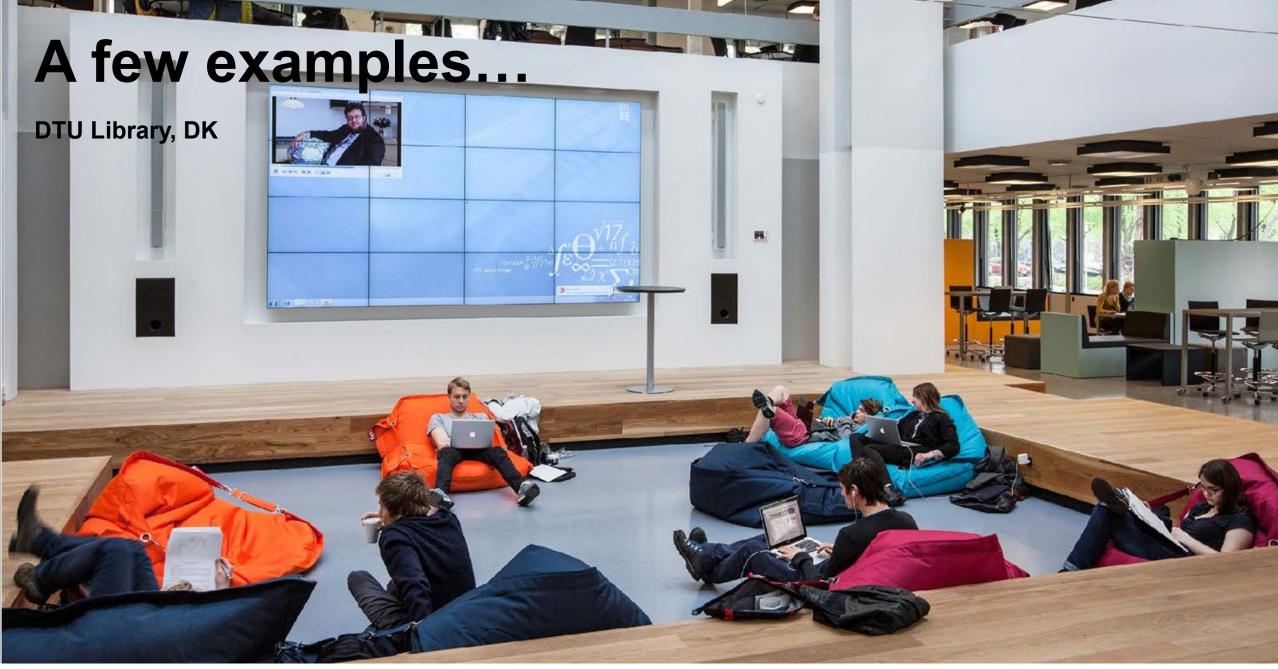
Here: a former courtyard transformed into Knowledge Center and Library, The Faculty of Law.

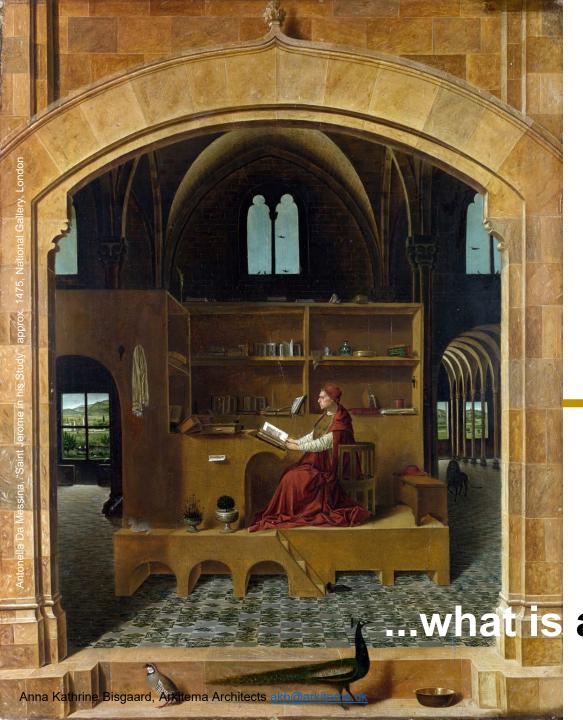












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mitaarhus

mitaarhus Nåh, men kælderen med FIFA er under Statsbiblioteket. Her tilbringer jeg en del tid med specialet. Biblioteket har netop renoveret kælderen, som nu er et sprødt miljø med studiepladser (OG HULER), bordtennis, massagestole og vandhaner med kogende vand This approach is also fundamental for the hybrid-flexible facility Lighthouse KUBNord

It was the road to create this new kind of space inbetween the physical and virtual world...

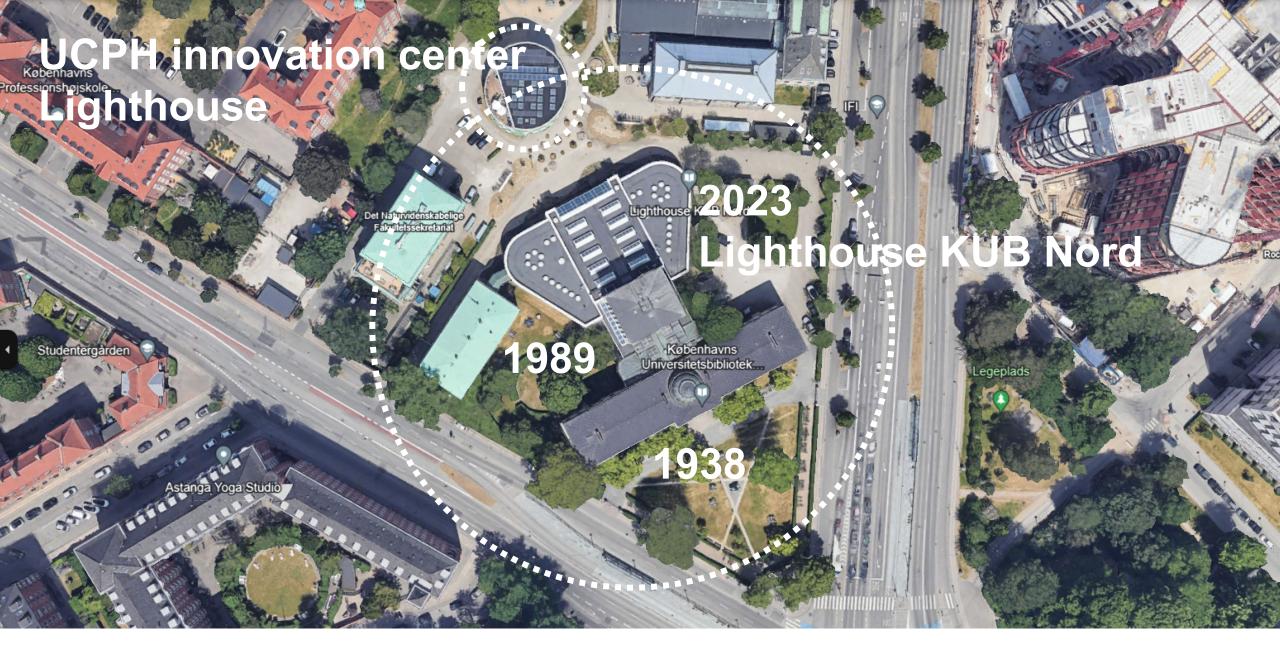


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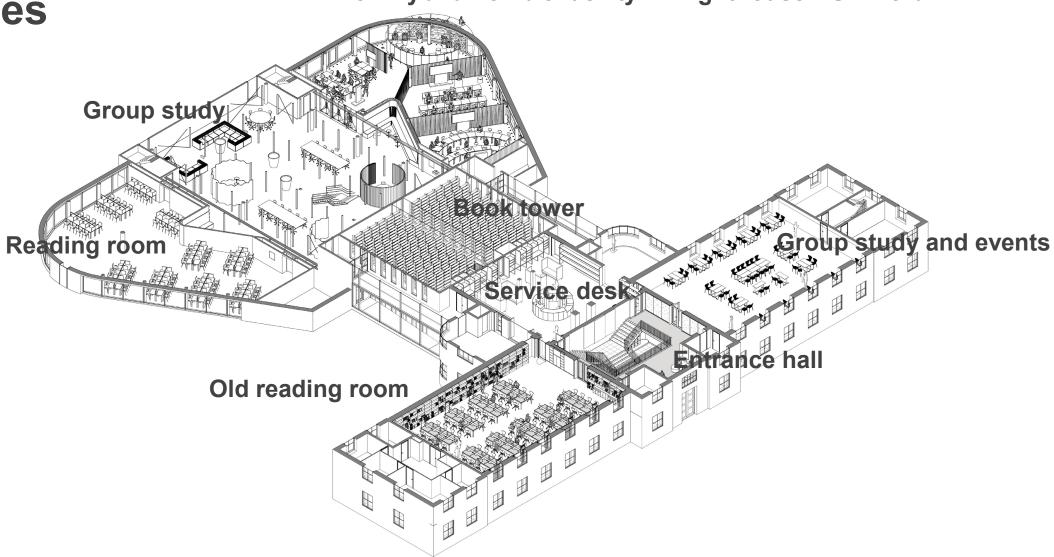


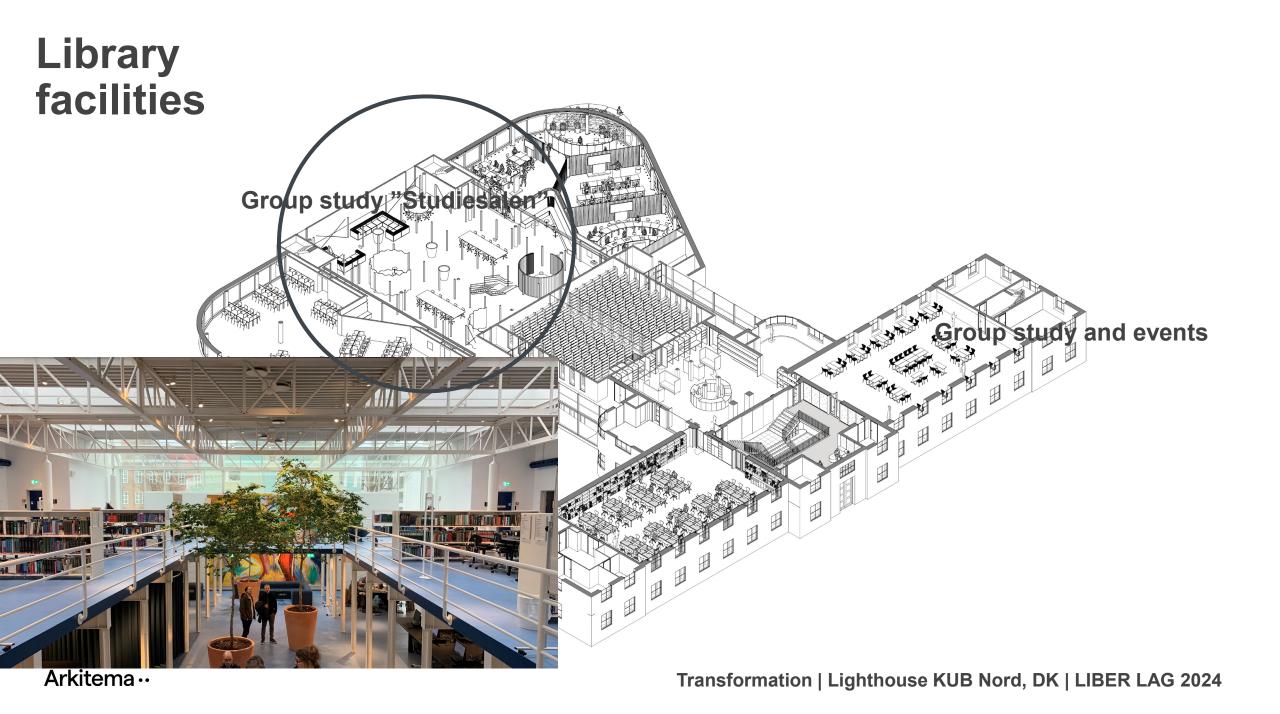
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Library facilities

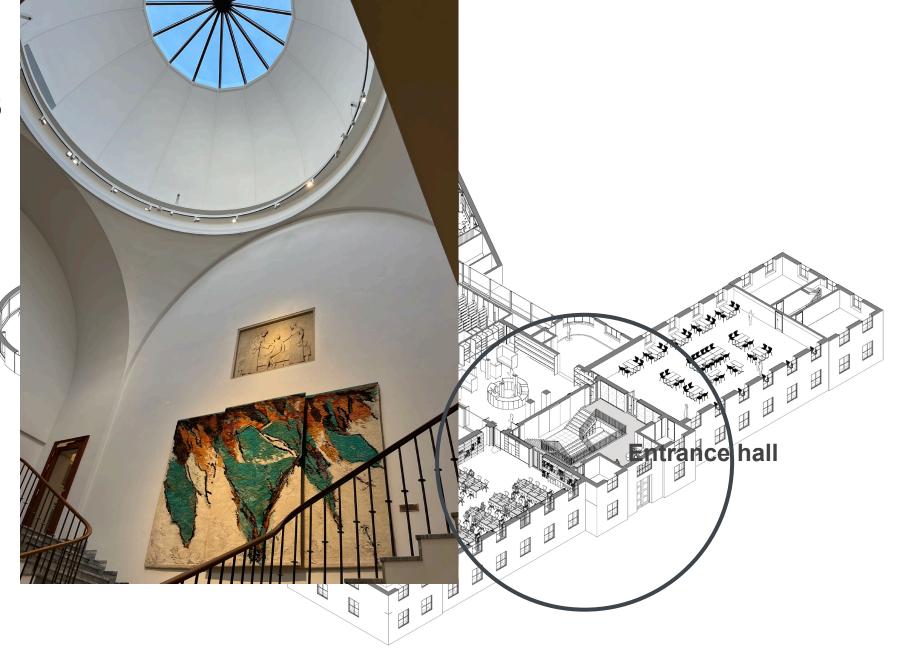
New hybrid flexible facility – "Lighthouse KUB Nord"

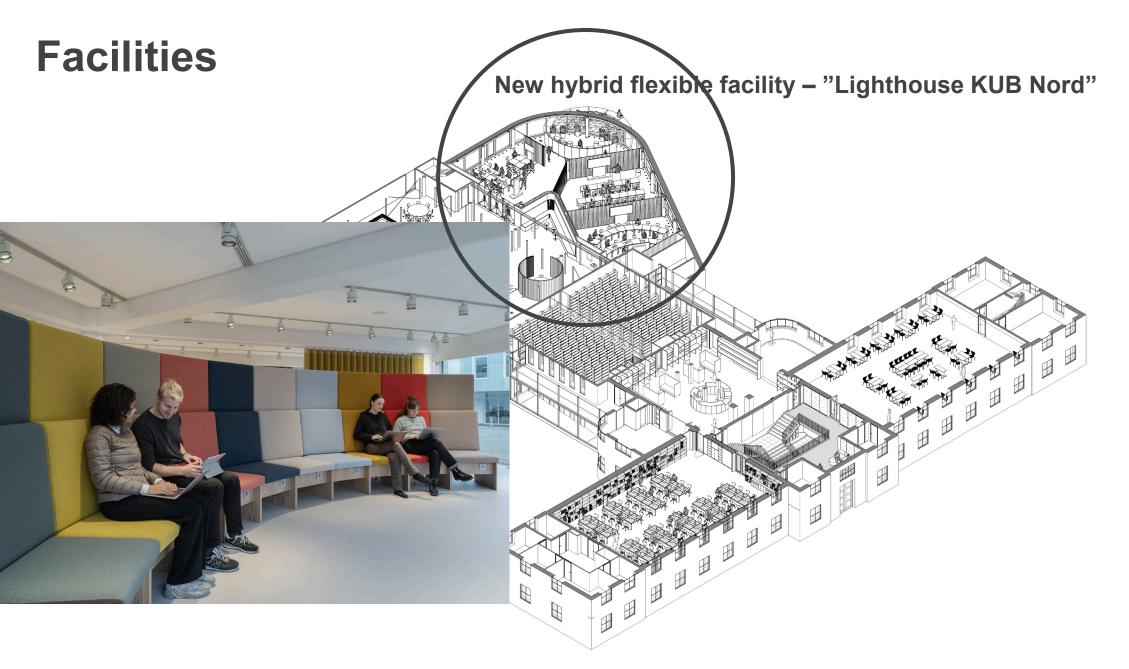




Library facilities Old reading room

Library facilities

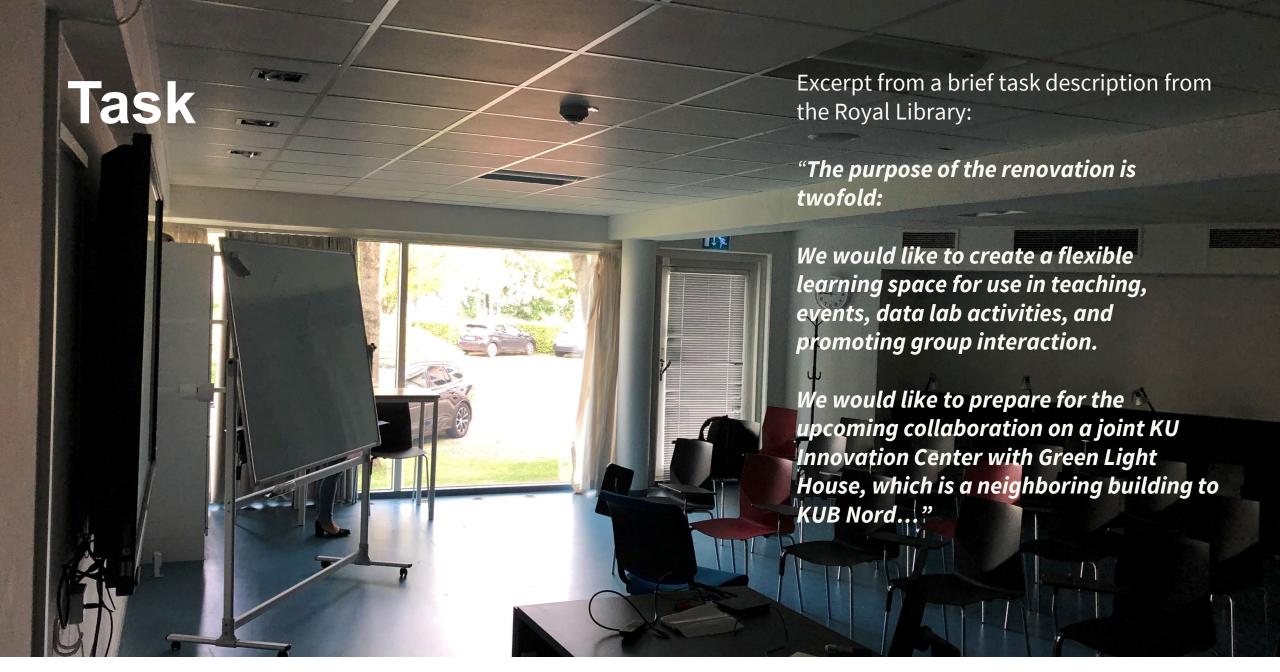






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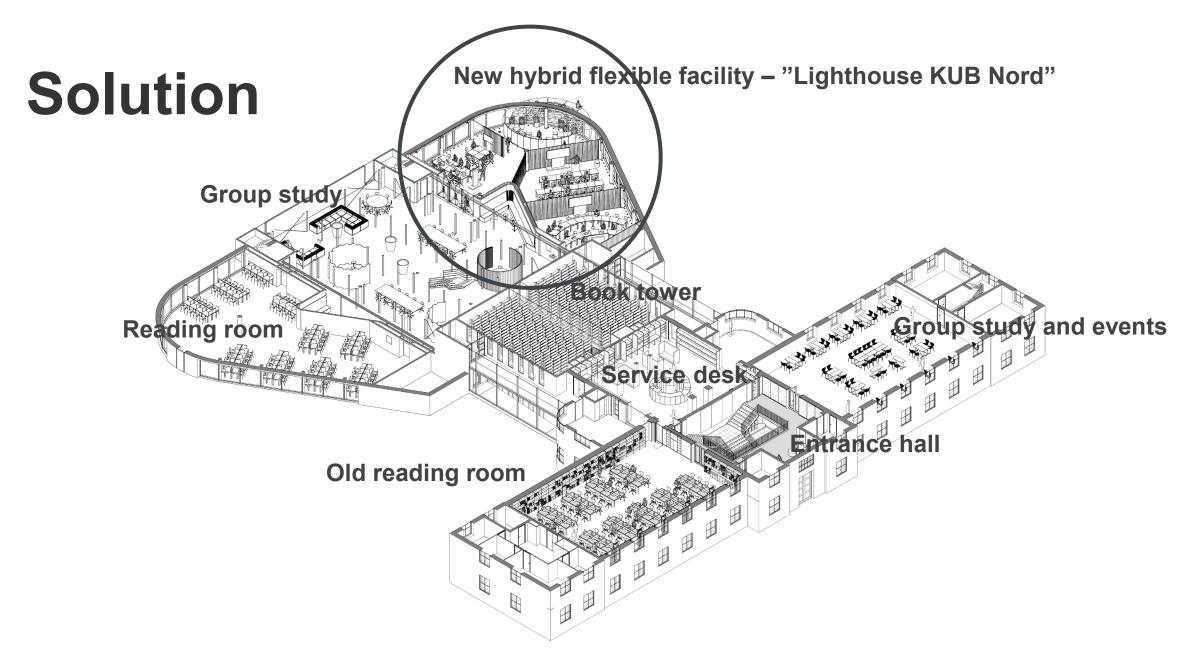
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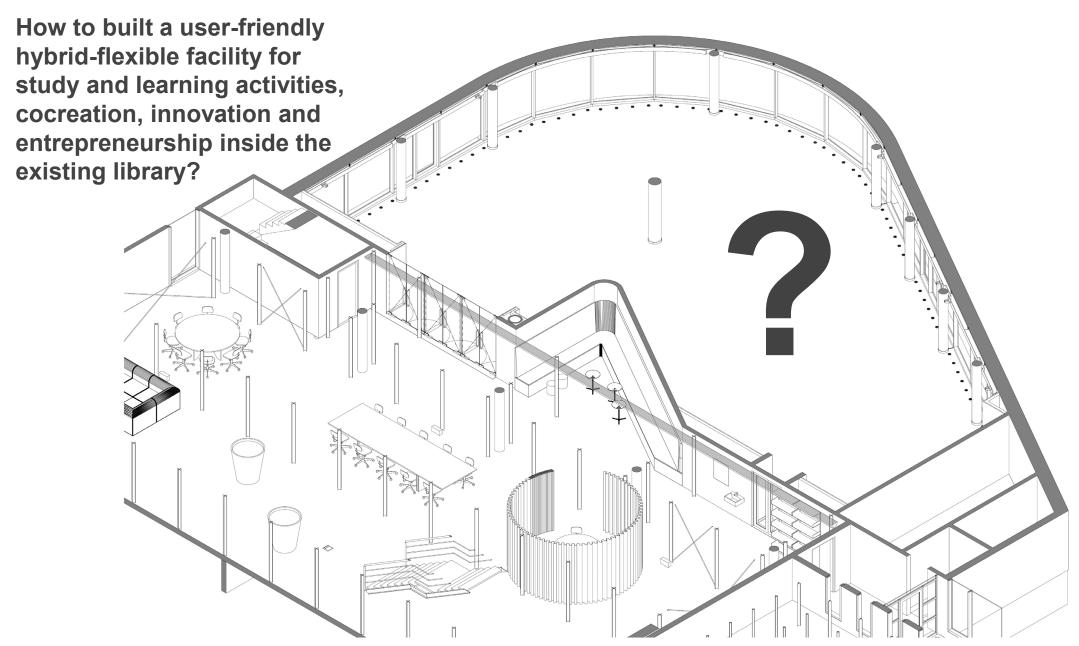


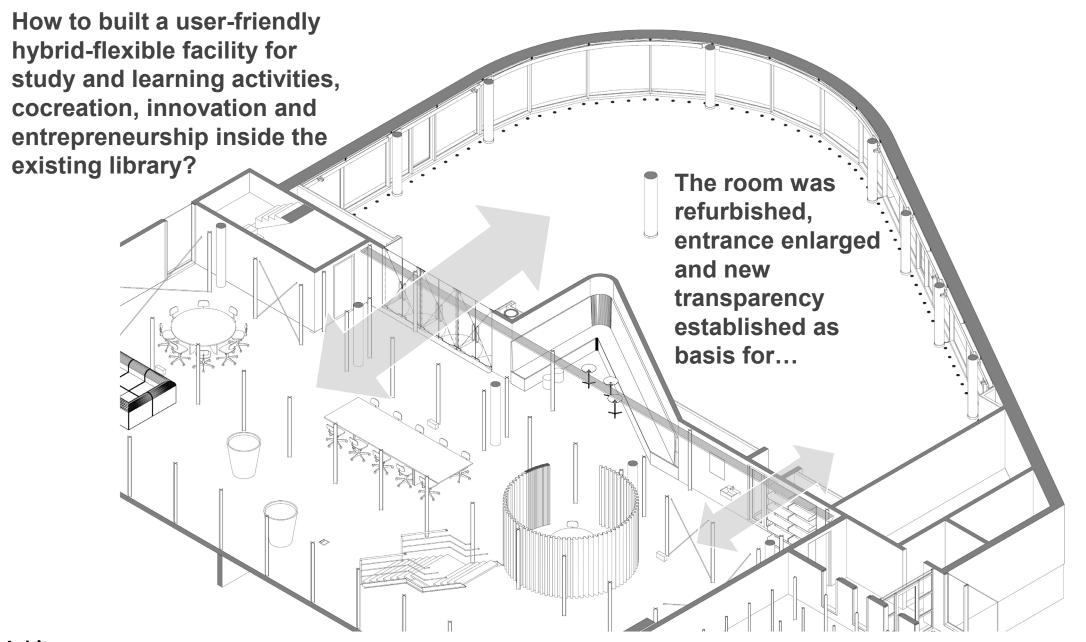


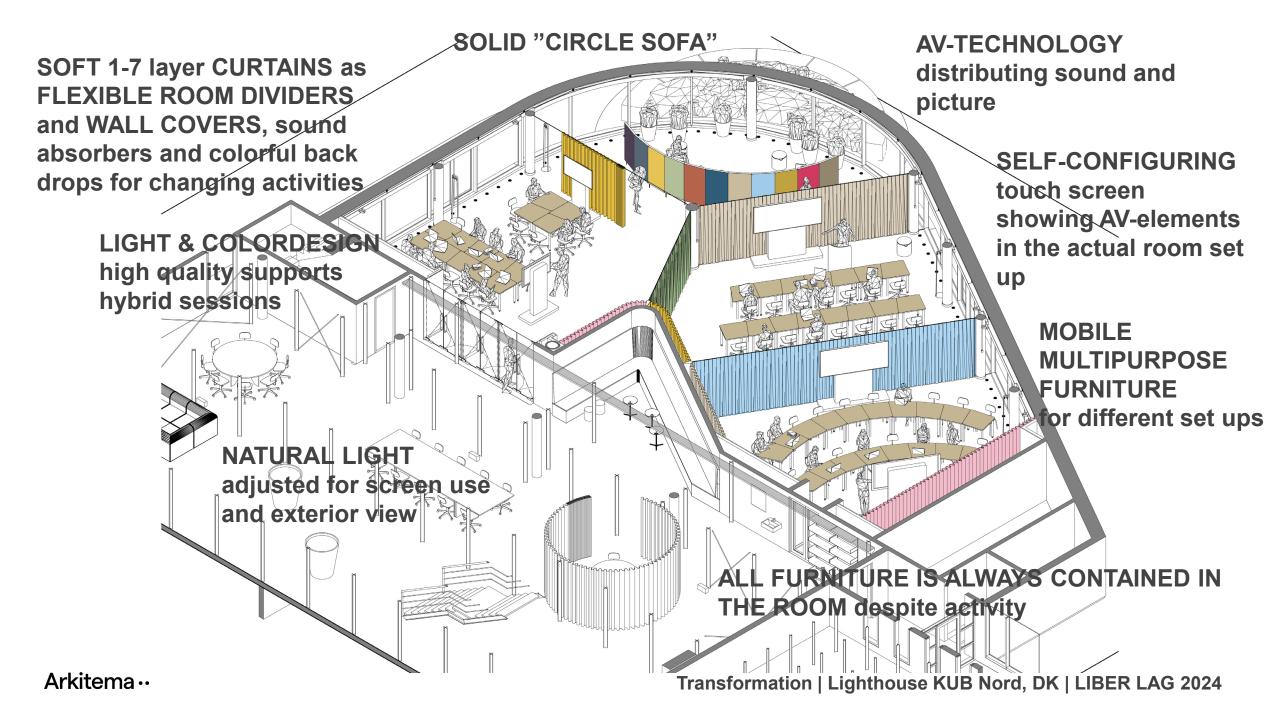


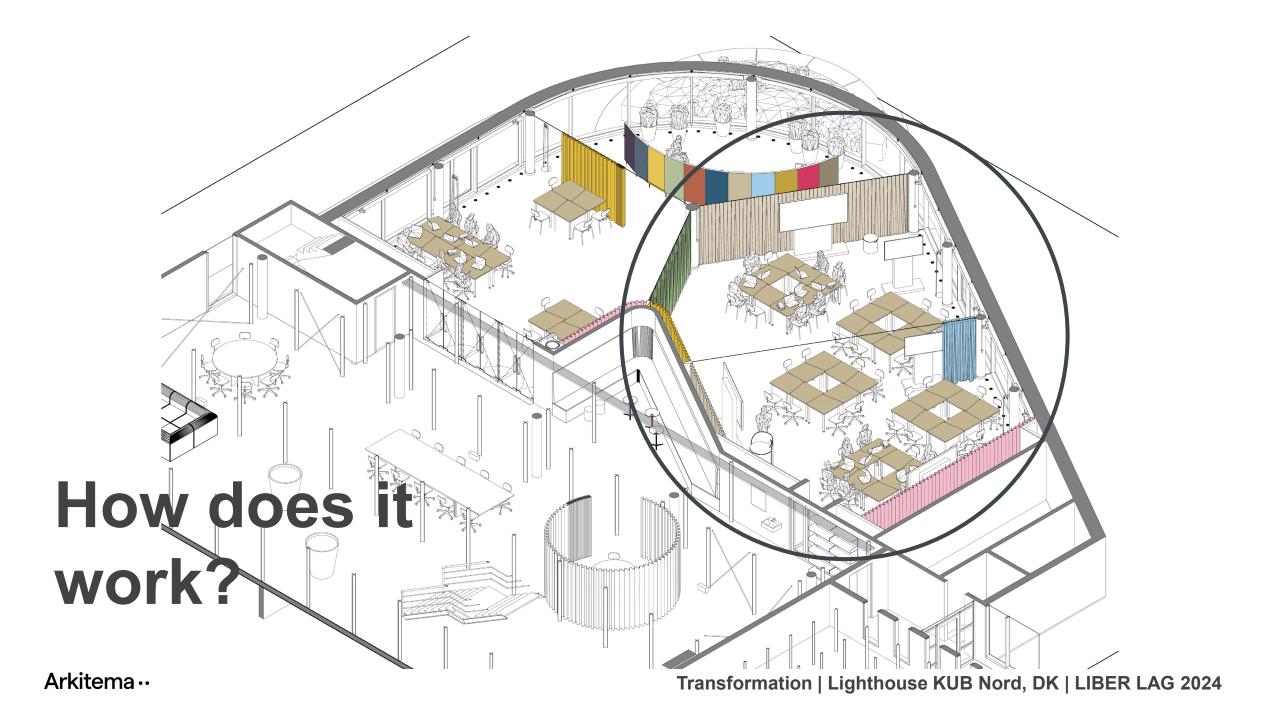


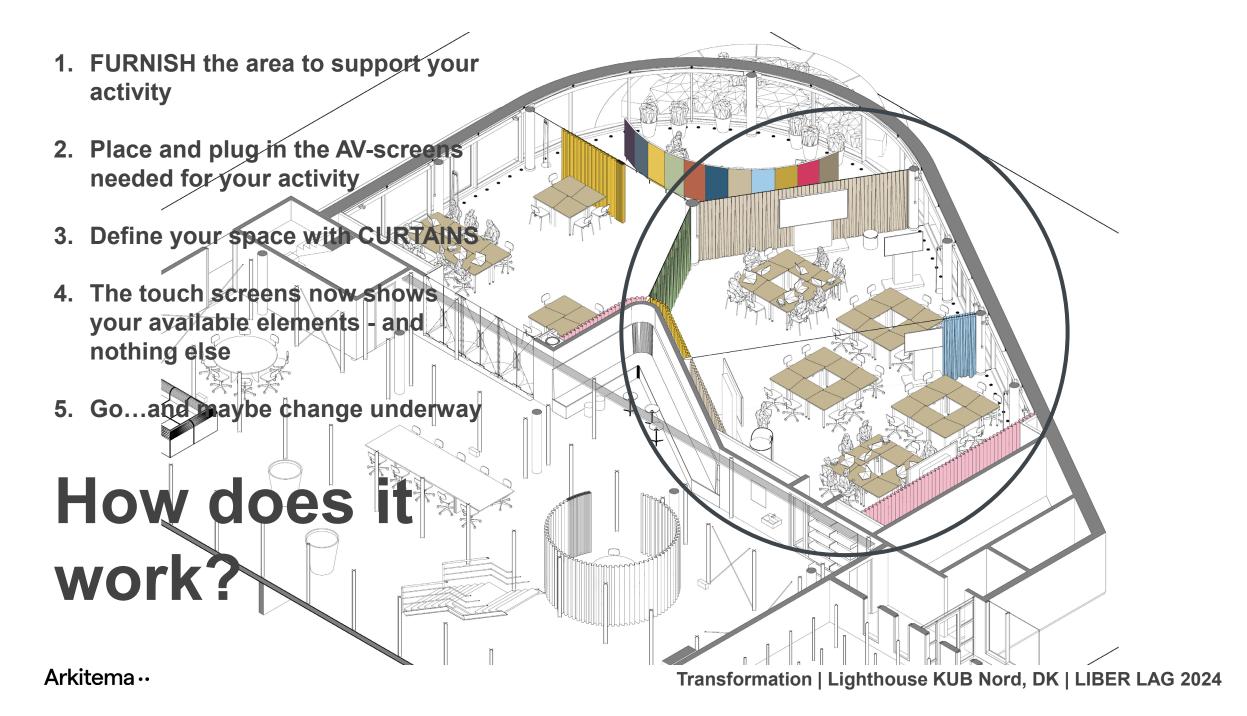


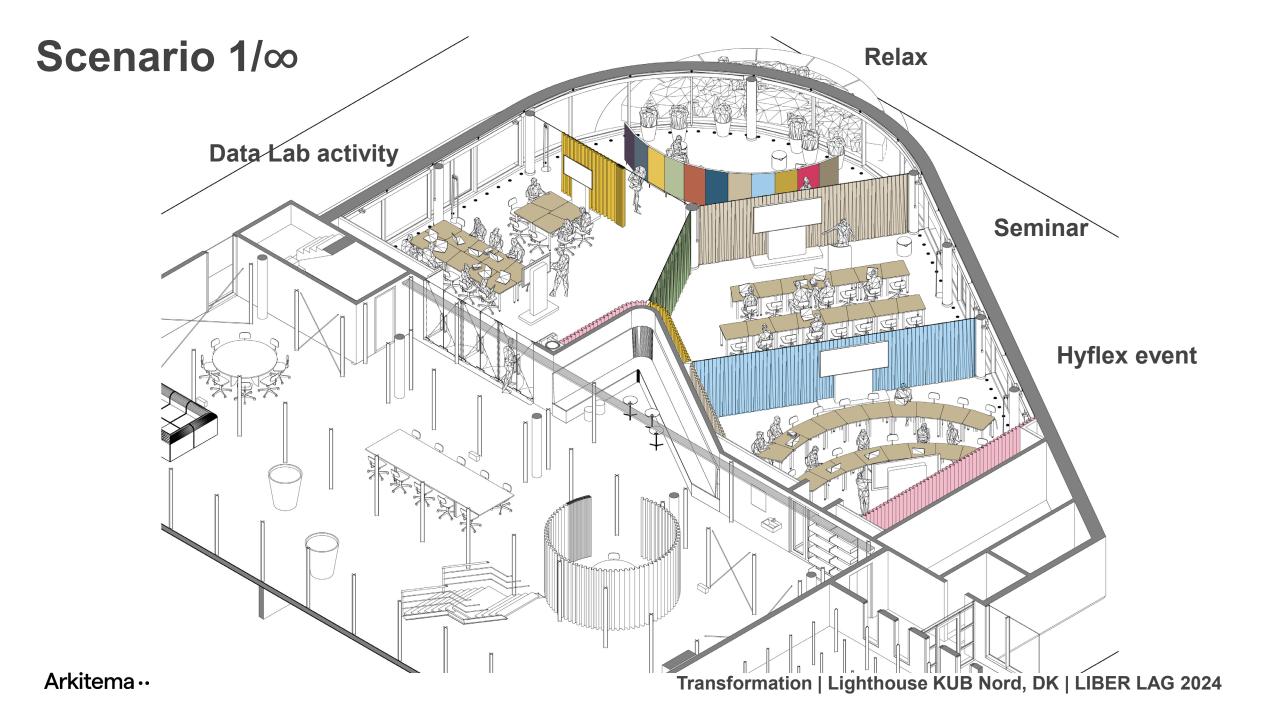


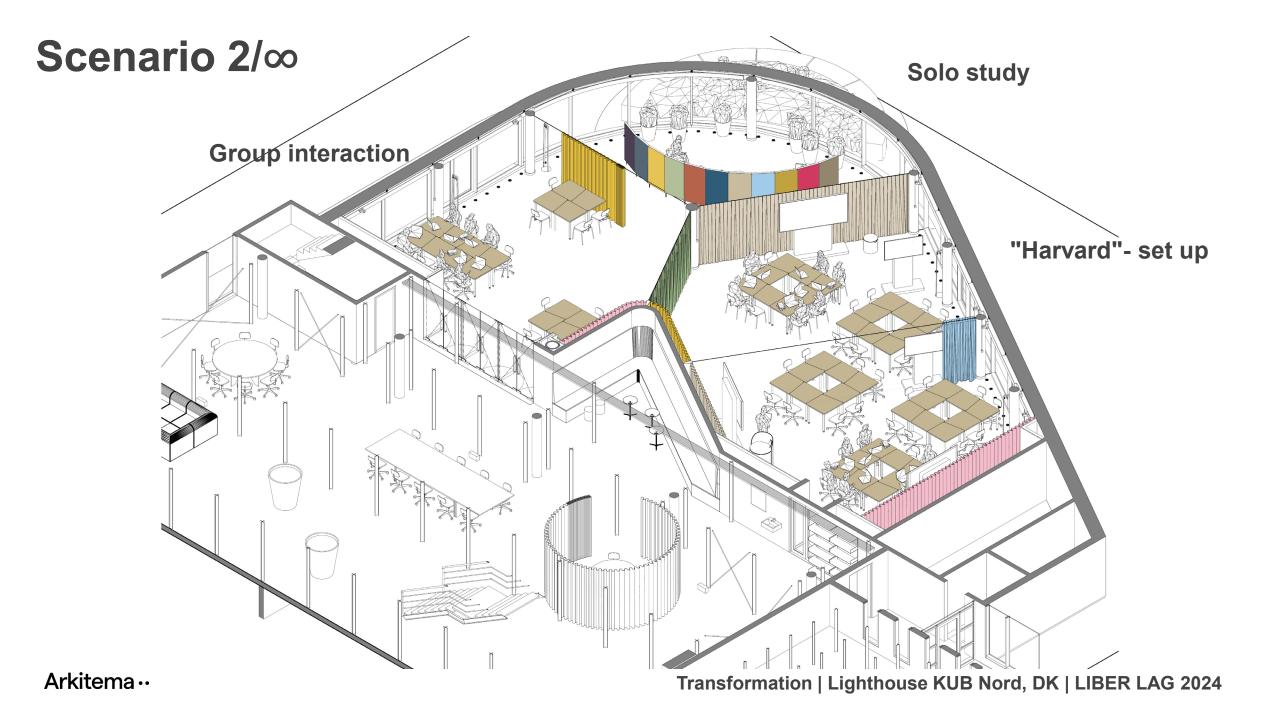


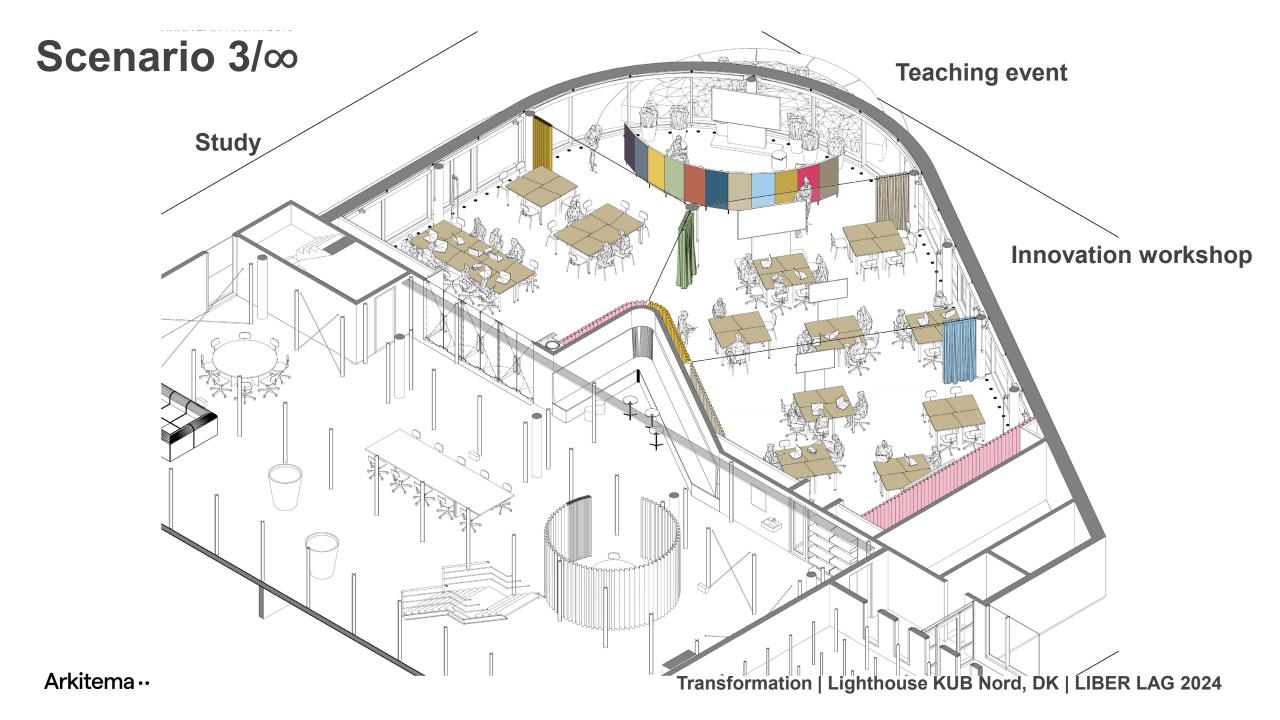


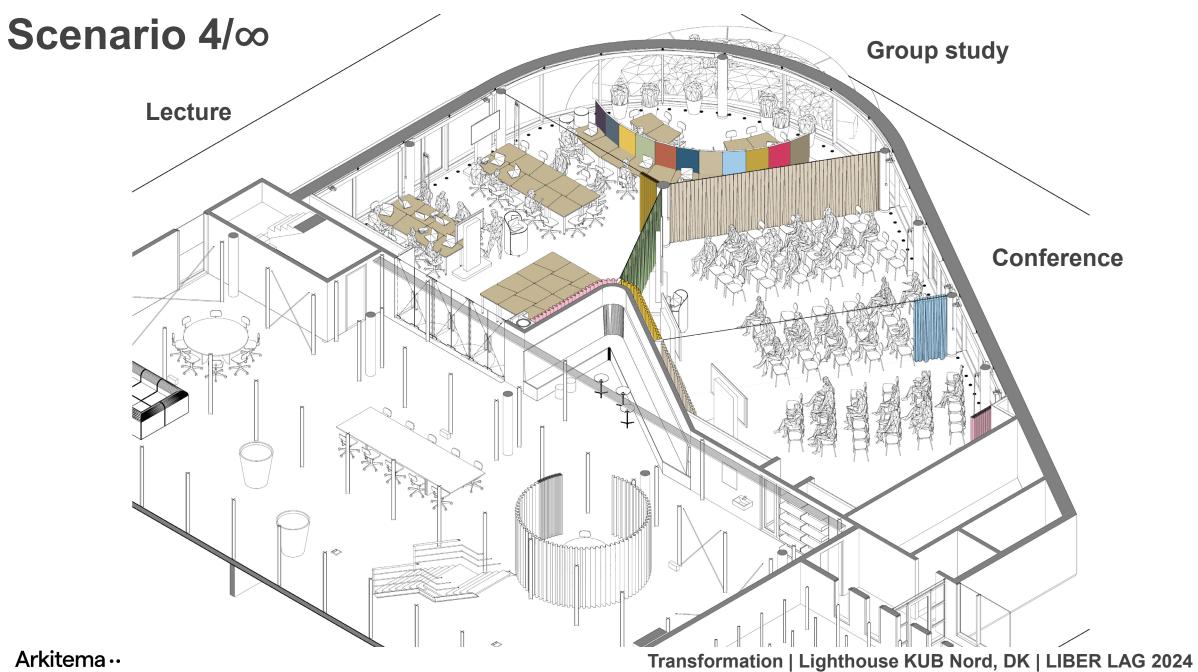


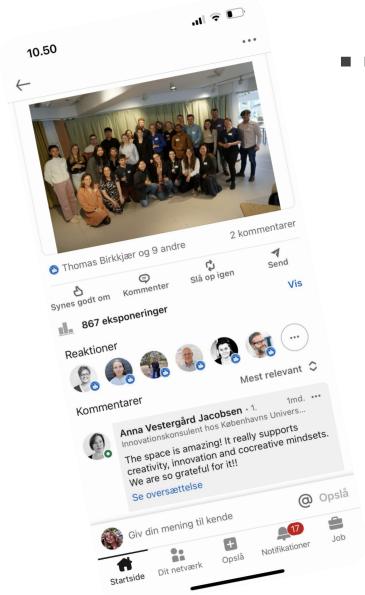












...UX - user experience



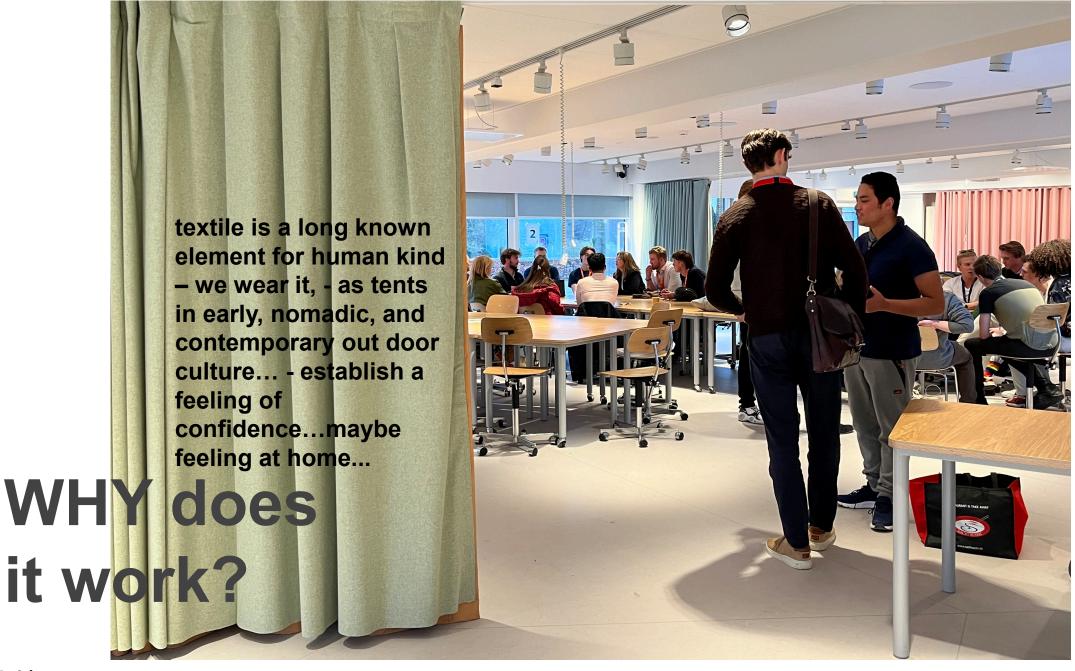
Anna Vestergård Jacobsen • 1. 1md. ••• Innovationskonsulent hos Københavns Univers...

The space is amazing! It really supports creativity, innovation and cocreative mindsets. We are so grateful for it!!

Se oversættelse







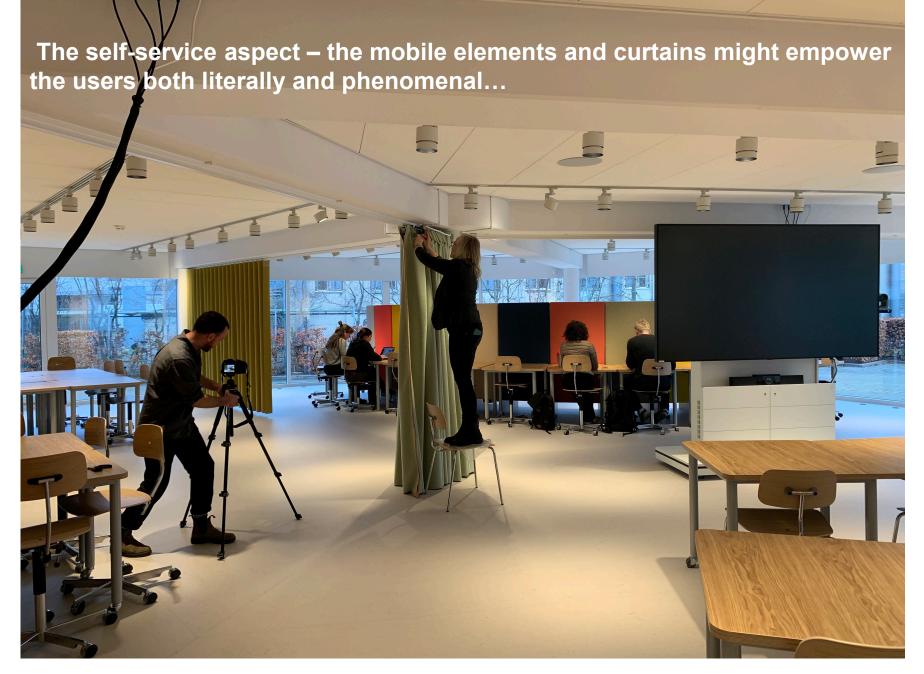


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How textile and technology interacts: what's the formula?

sound is distributed in the room by a voice lift system. This allows users to speak in normal sound level so the general sound level is relative low.

This allows us to use textile room dividers - "wollen walls" that dampens 16-18 dB



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- Defining architectural values in existing building
- Sketching programming analysis and iterative development process
- Virtual Reality with real sound
- 1:1 Mock up of tailormade acoustic curtain collab with suppliers
- Study trip to DTU Lyngby.
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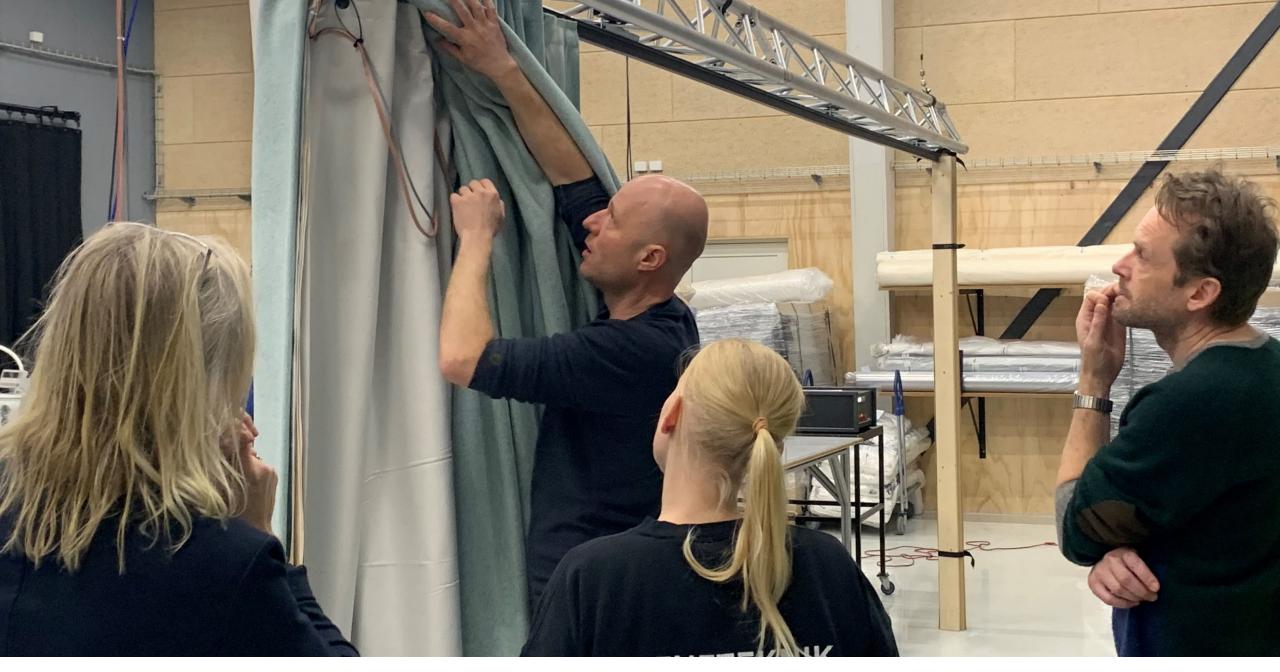
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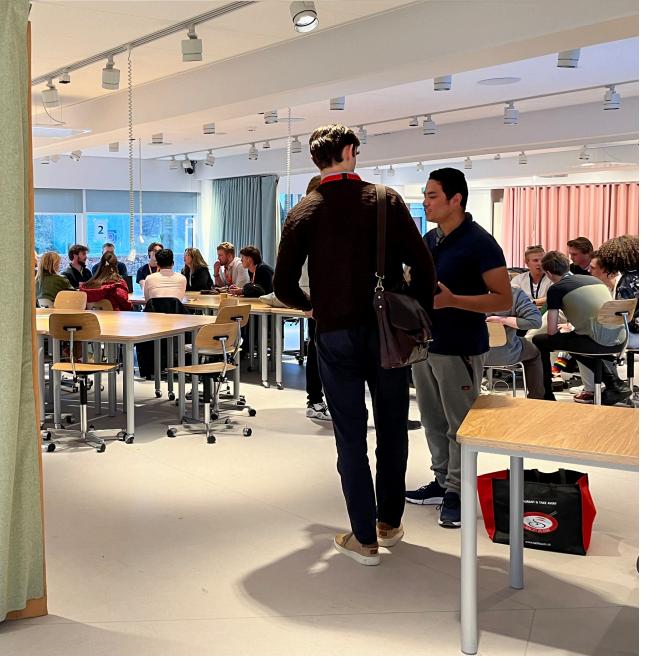


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- An open requirement specification creates space for innovation...
- Interaction between textiles and technology has a huge potential...
- "Simple" addition to existing architecture is possible...
- Minimized material consumption...recycable wool instead of solid walls...
- Multifunctionality and flexibility the easy way...
- Self-managing environments empower the users...
- Spatial/hybrid set up that "sets the stage", the mind and senses...



- 1. Innovative Library Spaces: The evolution of library spaces, from traditional to flexible and multifunctional designs.
- 2. Sustainable and Environmental Impact: Strategies for designing environmentally friendly and sustainable library buildings.
- 3. Digital Transformation: The impact of digital transformation on library architecture and design
- 4. Community Engagement: Designing libraries that serve as vibrant community hubs.
- 5. Accessibility and Inclusivity: Creating library spaces that are welcoming and accessible to all patrons.
- 6. Preservation of Heritage: Strategies for preserving historical libraries while meeting modern needs.
- 7. Adaptive Reuse: Converting existing structures into functional and efficient library spaces.
- 8. Future trends and Emerging Technologies: Exploring the future of library architecture in a rapidly changing environment.

