





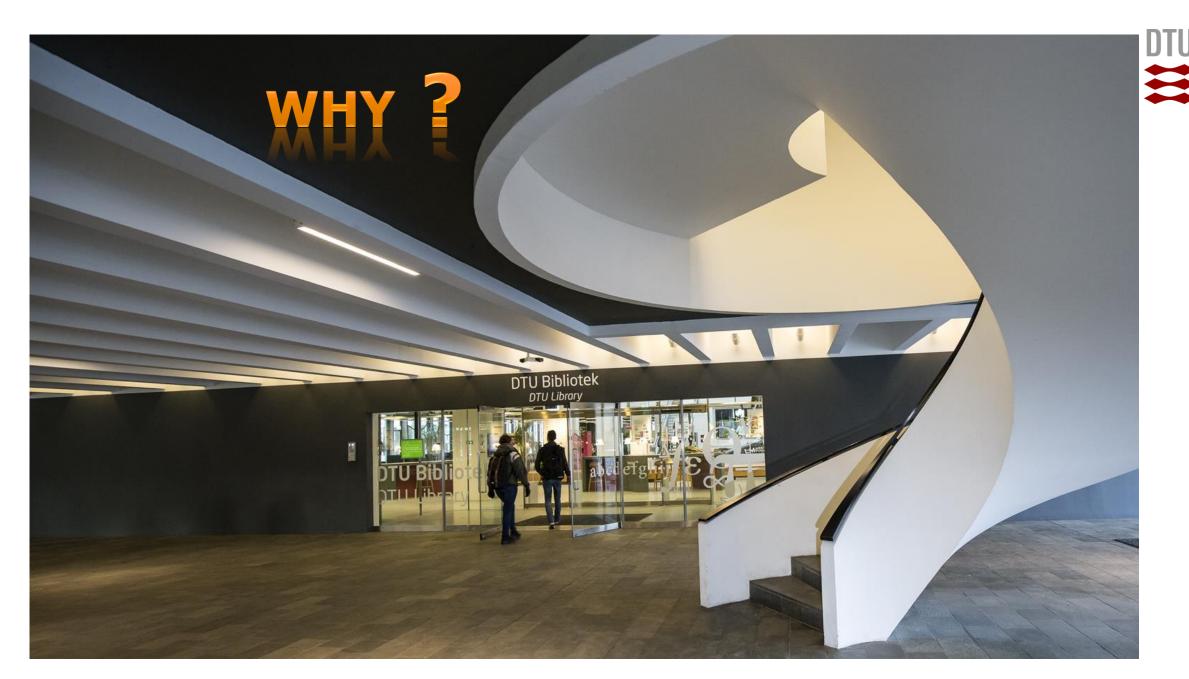
An indoor living lab, part of DTU SMART campus



Technical Information Center of Denmark

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abcdefghij



CAMPUSES, RESEARCH AND TEST FACILITIES:







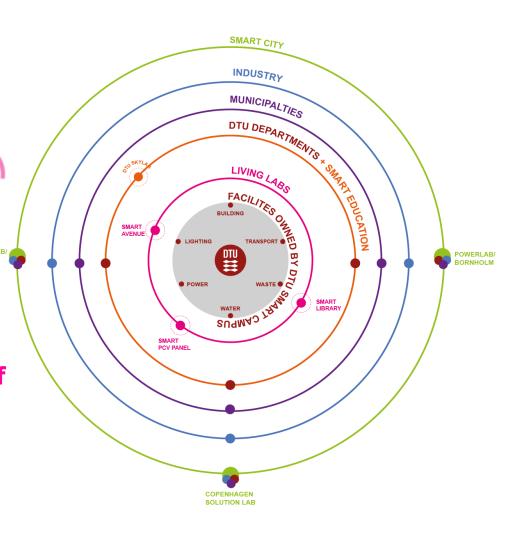


SMART CAMPUS

What

if....

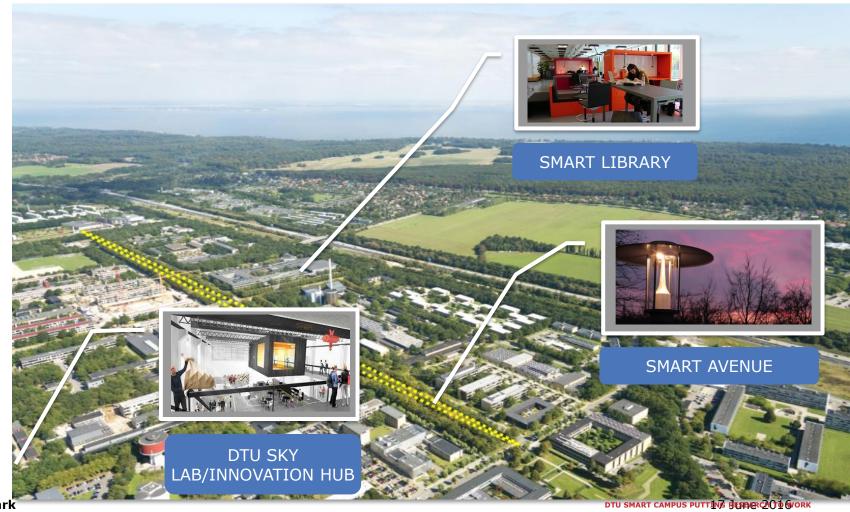
The Technical University of Denmark is the greatest Smart Living Lab in the world?



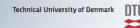
LIVING LAB ON SMART CAMPUS:



- Controlled experiments
- Consequences limited
- Test persons informed



HOLISTIC THINKING AND PLANNING AHEAD

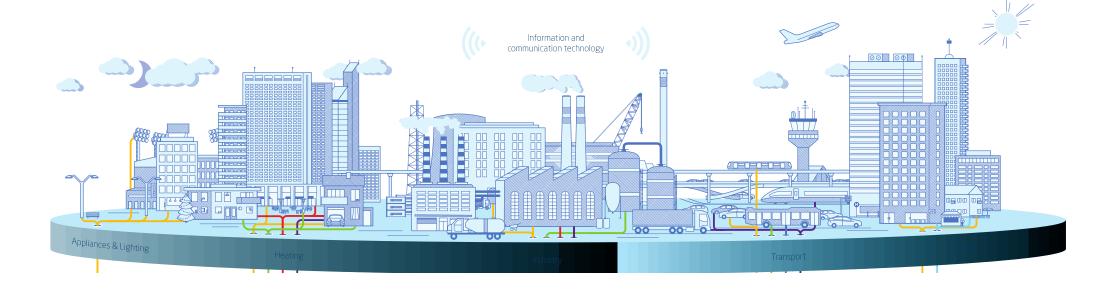




SMART



IOT – connecting everythingFast growing industry - Revenue

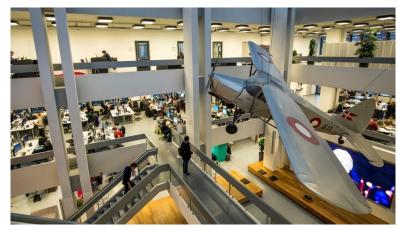






Vision for SMART Library

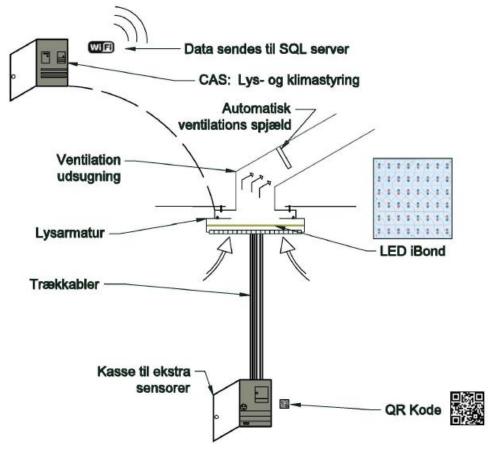
The library space will be an indoor living lab, where students, researchers and entrepreneurs can develop, test and demonstrate SMART technologies, analyze the collected data and conduct research- and student projects, while optimizing the indoor climate, lighting and acoustics and therefore boosting the chances of learning.









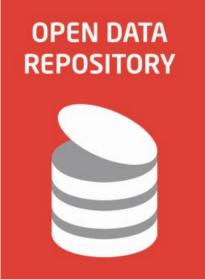












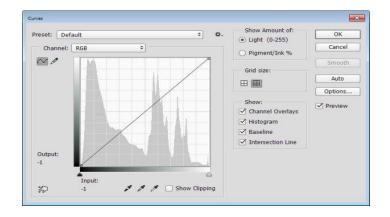




Learning process

Profiling



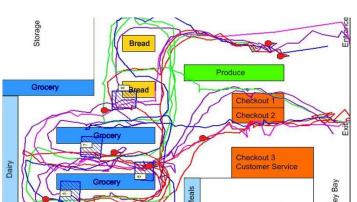


Intelligent adjustment





Export of knowledge



Analyzing Students

Researchers

Industry

Library and Campus Service

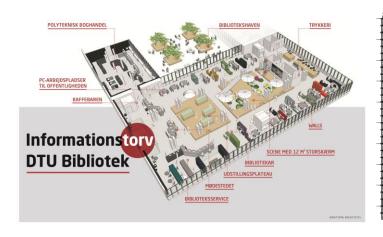


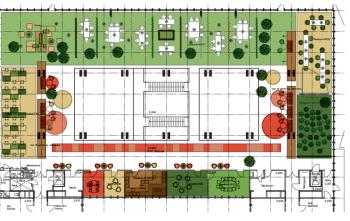


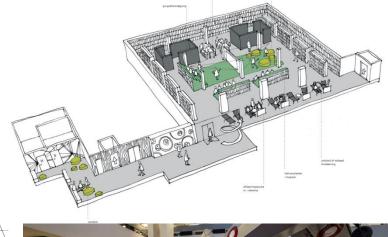




Comfortzones - learningzones











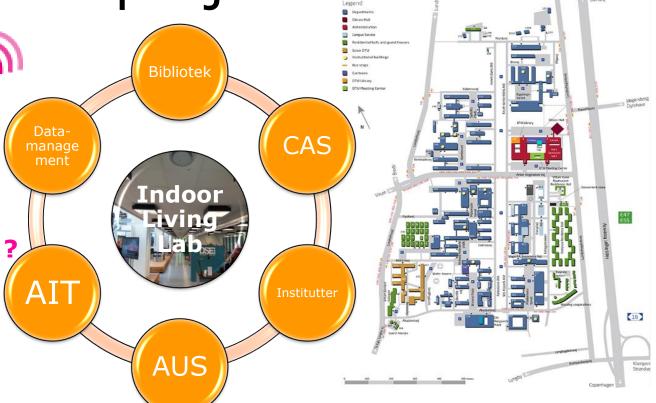


Intra-institutional project

SMART CAMPUS

What if....

The Technical University of Denmark is the greatest Smart Living Lab in the world?







Sensors

Movement, infrared, wi-fi, bluetooth

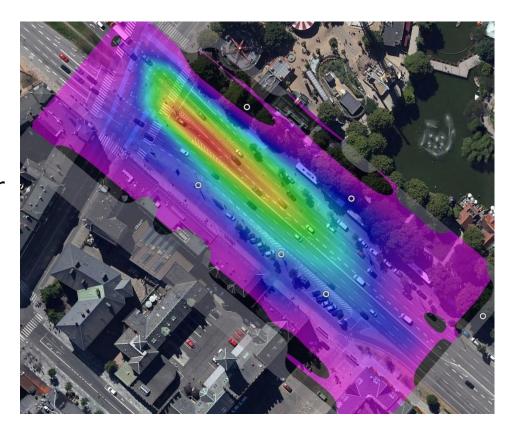
Acoustics, microphones, speakers.

Light measurements, brightness and color

Climate, temperature, humidity, CO₂, particles, anemometer (air-speed), VOC (smell)

Bluetooth, Li-Fi, camera

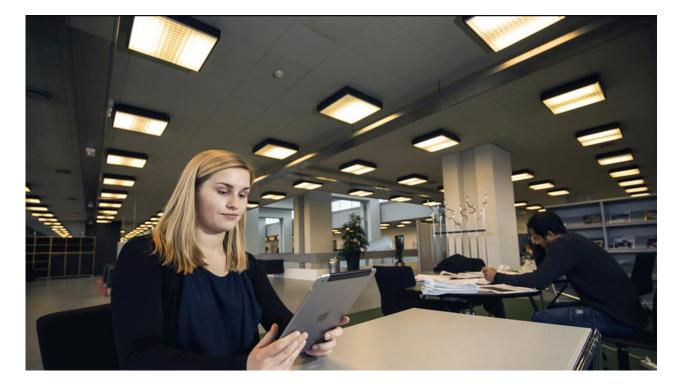






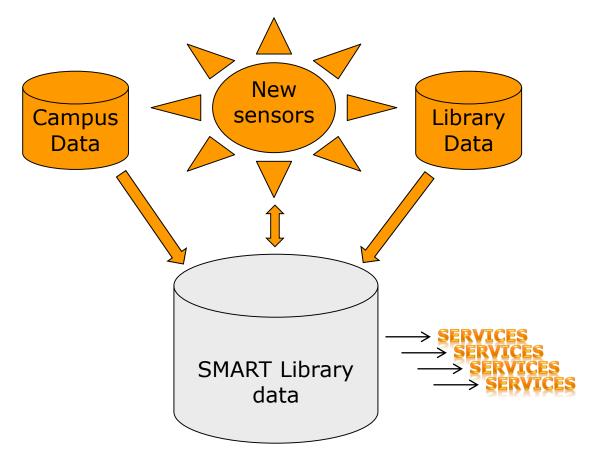












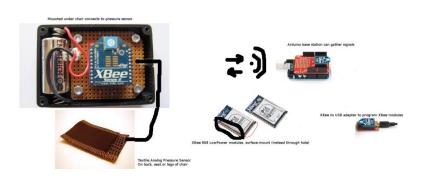
- BIG data ethics
- Data-visualization
- Library analytics
- Library impact
- DPO data protection officers





Projects in the name of SMART Library

- ✓ Acoustics
- ✓ Acoustics and white noise
- ✓ Dynamic light
- ✓ Seat occupancy
- ✓ Many more to come









Are there others?



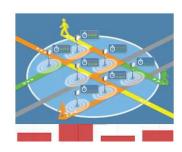
INVITATION

Brugere i offentlige rum:

- Hvad sker der faktisk? Hvordan kan vi få data om dem?
- Og hvordan omsætter vi det til bedre rum?

Seminar 1. april 2016 kl. 10:30 - 15:30 Sted: Lille Sal, Dokk1, Hack Kampmans Plads 2, 8000 Aarhus C

Hvordan får vi nye, valide data om hvad der sker i offentlige rum? Kan vi høste data fra sensorer, overvågningskameraer, mobilantenner og andre teknologier og supplere med andre målemetoder, som kan danne grundlag for optimering af service. rum og formidling?





Library tour

Library Tour app

The Library Tour app is developed for international students who are new at TU Delft. With this app, you can take an interactive, private tour of the Library in your own pace and time. In the course of this tour you will discover the most important places and facilities for students. Whether you're looking for a vast array of literature, a really quiet study space or meeting people over an excellent cup of coffee: TU Delft Library has it all!

When you approach at a point of interest, a notification will pop up unlocking location specific content (using Apple's iBeacon technology). So...come on over and find out what we have to offer!







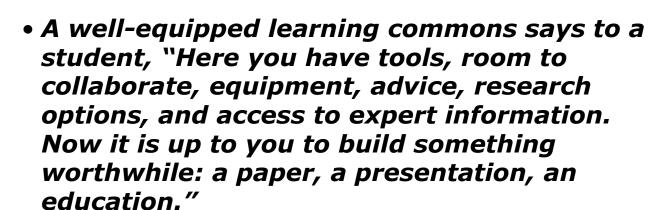




Strategic potential

- Library impact, grades, retention
- Service assessment
- Data-science- emplyees, analytics, data management
- Closer collaboration with researchers
- Contributing to research and student-assignments
- Standard for excellent learning environment
- Network with industry and entrepreneurs
- Collaboration with other organisational units
- Innovation
- Inspiration





The Modern Learning Commons, 2011.







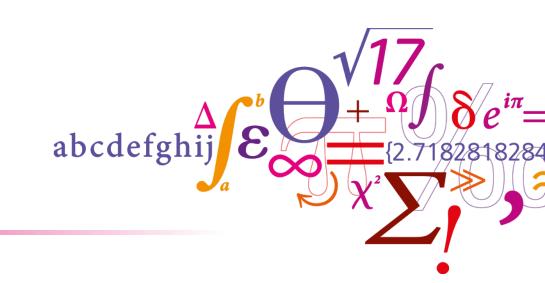


THANK YOU

for your attention

www.smartlibrary.dtu.dk

THINK BIG
BUT START SMALL



DTU Library

Technical Information Center of Denmark

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