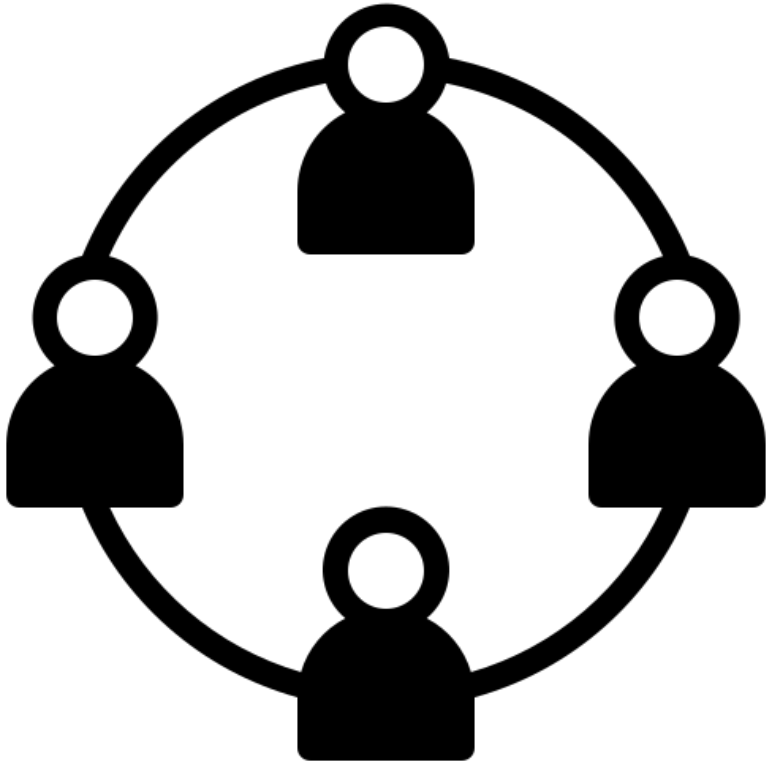
Abtin Darbandy, Alexander Kattner, Claudia Obermeier, Daniel Marquardt, Konrad Moron, Leonhard Meyer, Luca, Lucas Kalinowski, Mate Raspovic, Oliver Stempel,

The Team

Alexander Kattner
Claudia Obermeier
Daniel Marquardt
Luca Rehbein
Lucas Kalinowski
Mate Raspovic (SM)

Konrad Moron
Abtin Darbandy
Leonhard Meyer
Oliver Stempel (PO)



Agenda

I. About the project

II. Problem

III. Solution

IV. Prototype

V. Technical implementation

VI. Future of the product

VII. Goodbye

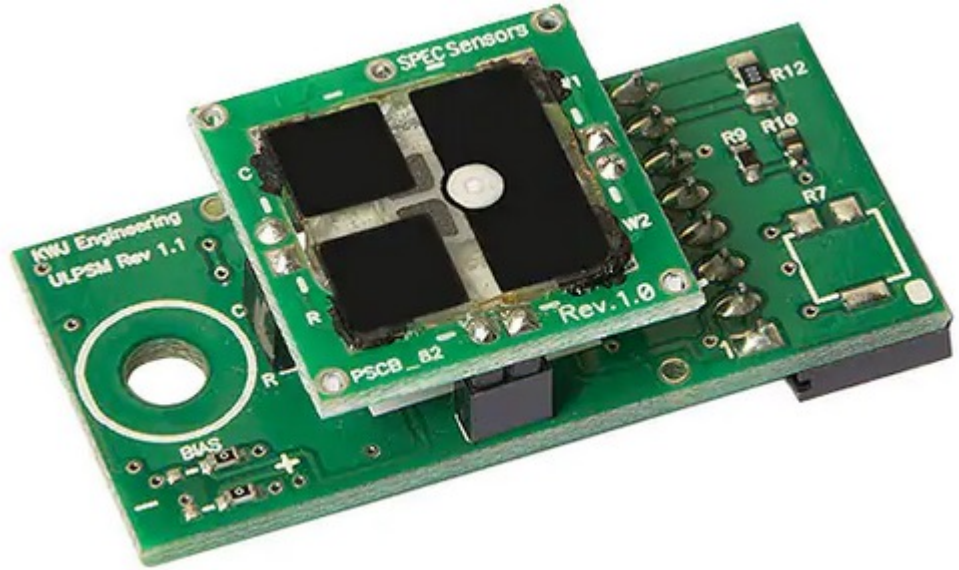
About the Project

DT Lab

aws

About the Project

Problem


SPEC Sensors
KNU Engineering
ULPSM Rev 1.1
Rev.1.0
PSCB_82
BIAS
R12
R10
R9
R7

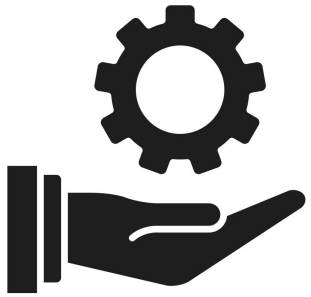
Problem

- Pile of sensors
- Cumbersome current system
- Finding information takes too long
- Reactive
- No overview or bundled information

Goal

- Develop a support tool for the Facility Team
- Help with keeping long term health of the building
- Assist with securing the exhibits

Solution



Sensor data via audioform

- Status report of the current situation
- Bundled information
- Quick and easy access → Self-explanatory
- Access from everywhere
- Health of building

Solution

Storyboard

1

2

3

Storyboard

4

5

Promotion Video

https://drive.google.com/file/d/1ZIpYvOfSlldmLW1pGOEIfMhoTrClmP8-/view?usp=sharing

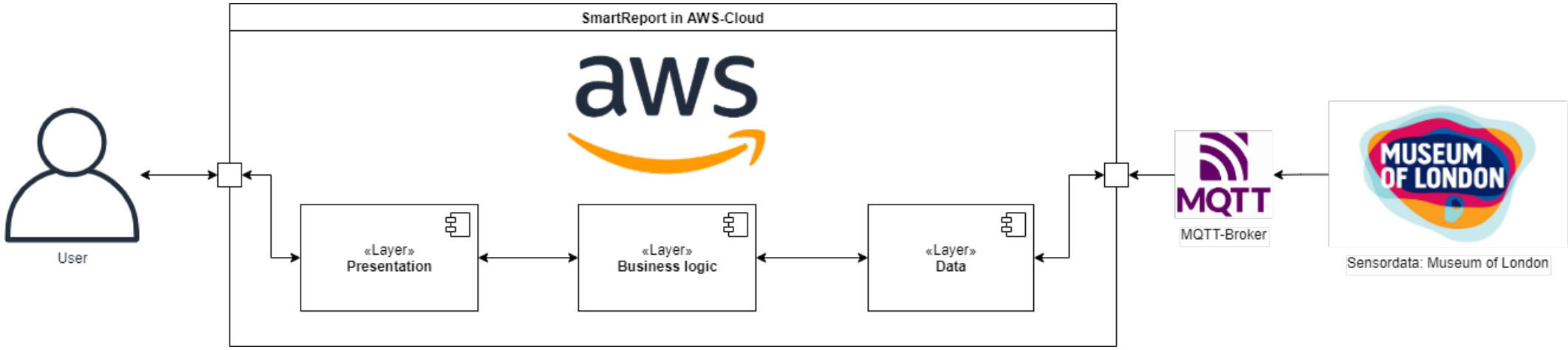
Prototype

Features:

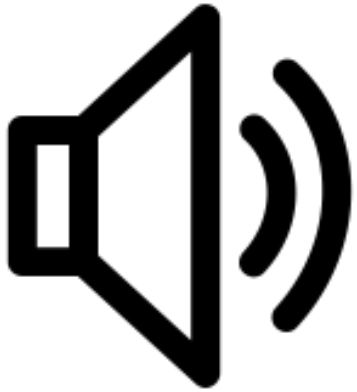
- Audio reports based on current sensor data
- Web-Userinterface
- System security
- Easy user management

Live Demonstration

System architecture



Audio reports



Audio reports as main feature

- Audio reports based on current sensor data
- Categorization of sensors
- Focus on fast generation

Included sensor data:

- Humidity and temperature
- Basic analytics

Security

Security as quality requirement

- Authentication with credentials
- No access with invalid users
- Audio report generation with user token

MVP

Additional Features:

- Connect all sensors
- Changeable timeframe
- Cooperative work
- Extended user management

Big Vision

Additional Features:

- Voice assistant
- Collaboration with the Dashboard
- Personalization of audio reports
- Building condition report

Big Vision

TEAM 1 **TEAM 2**

Making things work together!

GOODBYE

Thank you very much!

Abtin Darbandy,
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Lucas Kalinowski
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