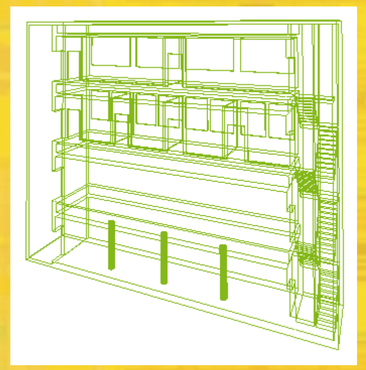
Malte Burkert (TU Dortmund)

The BaaS Model House

tiny.cc/s2o

technische universität dortmund

BaaS Building as a Service



Our Smart Space Setup

Our Smart Space Setup

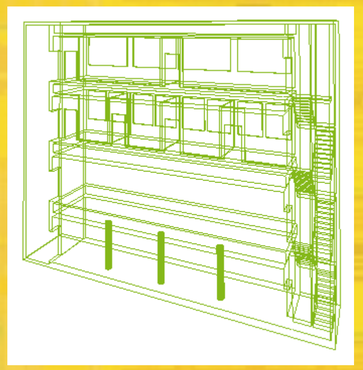
Building Automation Services

BaaS Platform

- Lighting
- Shadowing
- Access Control
- Dynamic Rooms
- Occupancy Tracking
- Alarm System
- Heating
- Ventilation
- Air Conditioning

The Challenges we look at

- Real Building Automation System (BAS) -Technology
- BaaS Lifecycle Compliant
- Environment for Rapid Prototyping
- Synchronization between Model and real Buildings
- Demonstration of BaaS platform and its application in BAS



Solutions we want to obtain

Building Automation Services

BaaS Platform

e.g. BACnet, KNX

ARDUINO

- Lighting
- Shadowing
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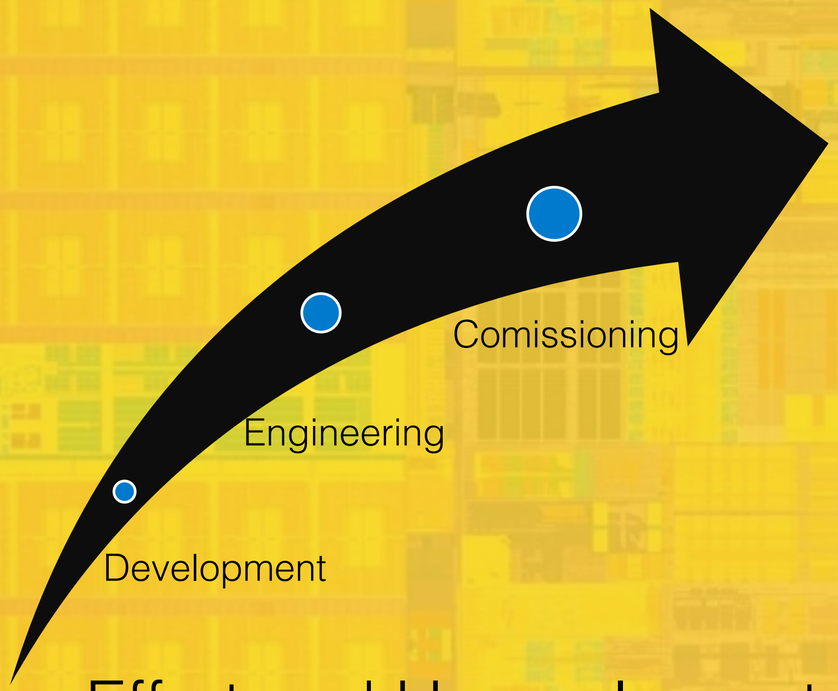
Solutions we want to obtain

Creating a BAS Application



Effort and Usage Impact

Solutions we want to obtain

Synchronization

BaaS Platform

Our Vision on Smart Spaces

- Services and devices can easily be integrated with each other
- Composition of services and devices to even more complexer systems

>> smart spaces become really smart in terms of: comfortable, secure, economic, entertaining, informative, self explaining

JUST supporting our everyday life in every situation