

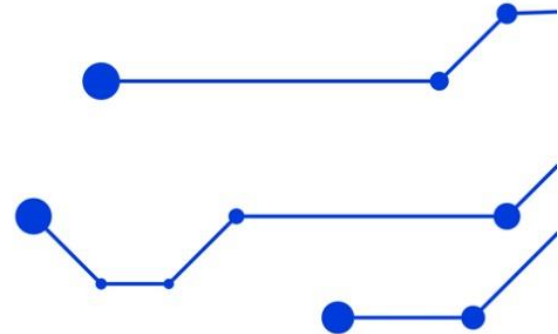
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21. November 2014

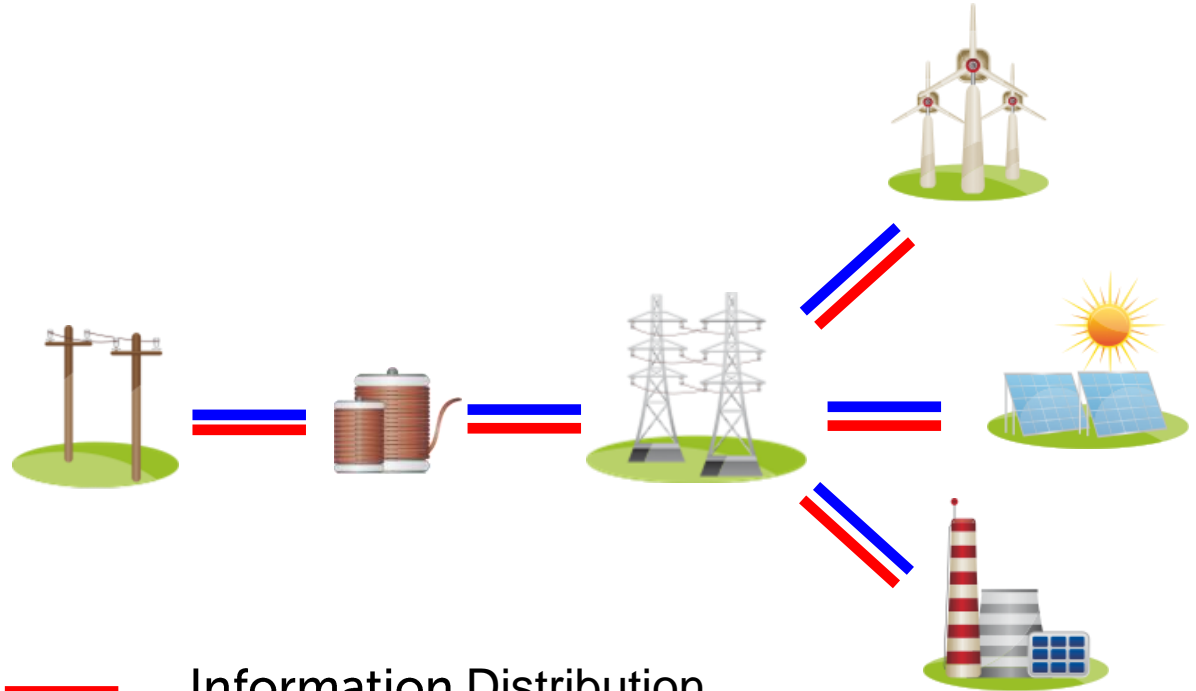
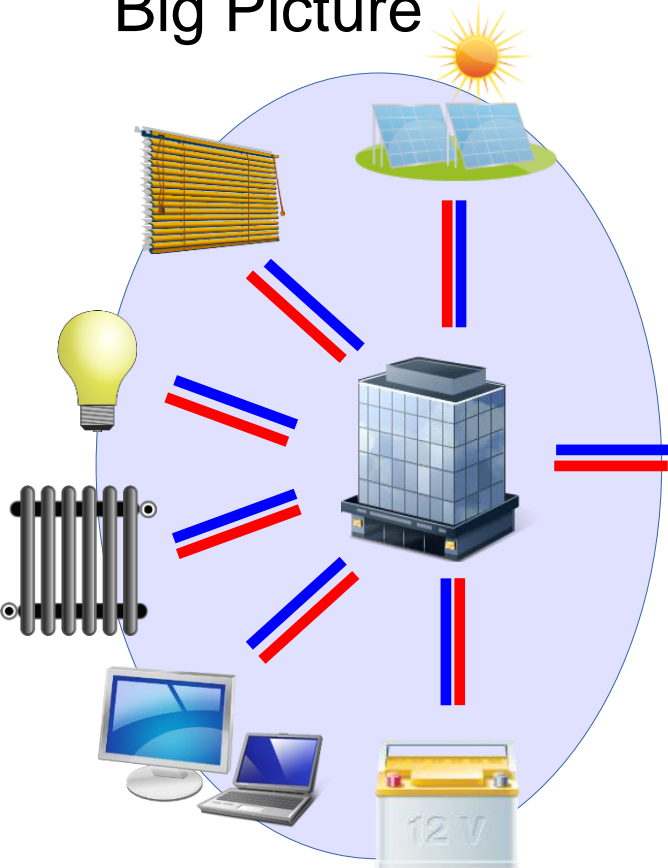
Smart Energy Living Lab @ fortiss

Dr. Markus Duchon

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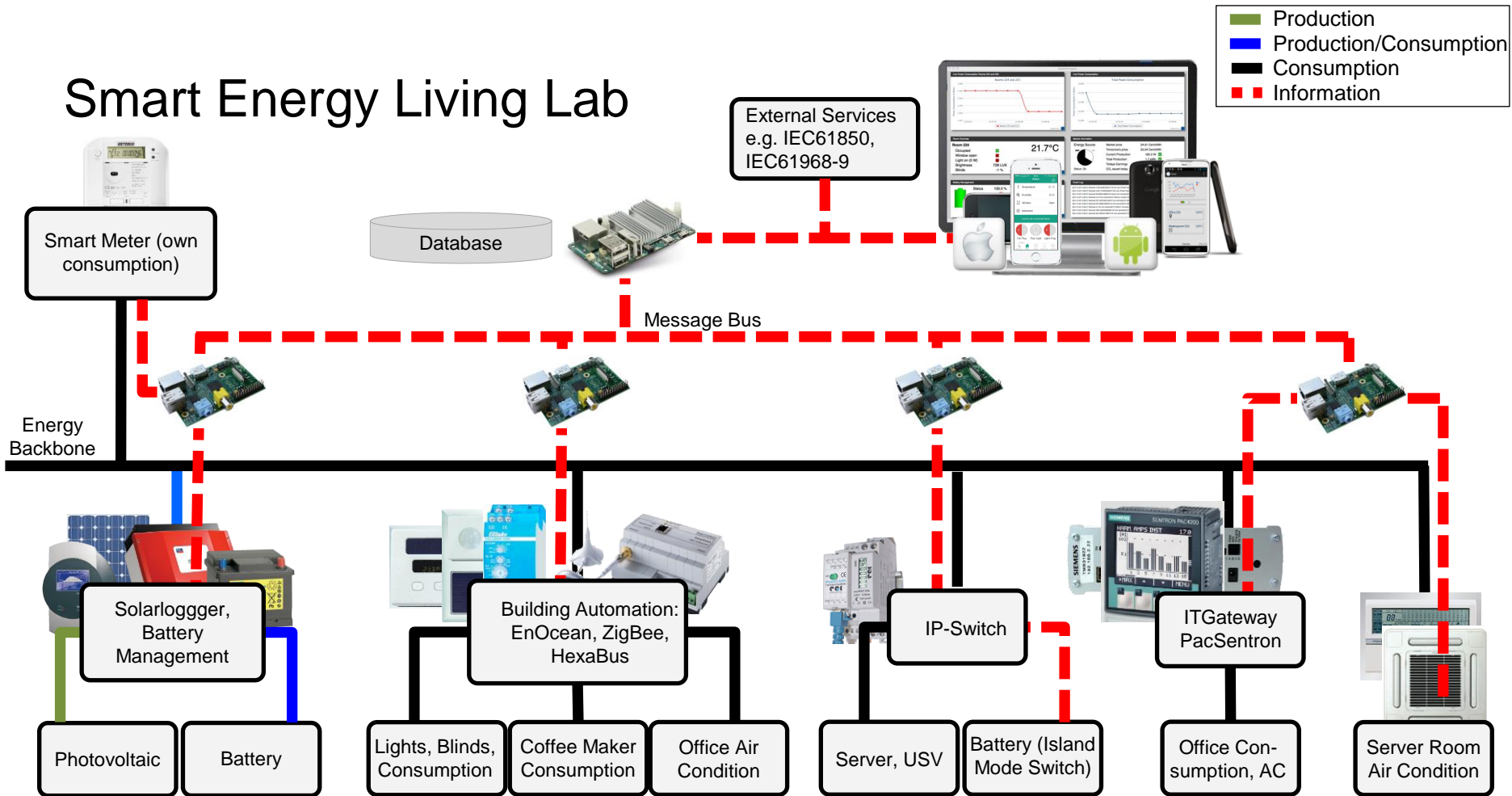


Big Picture

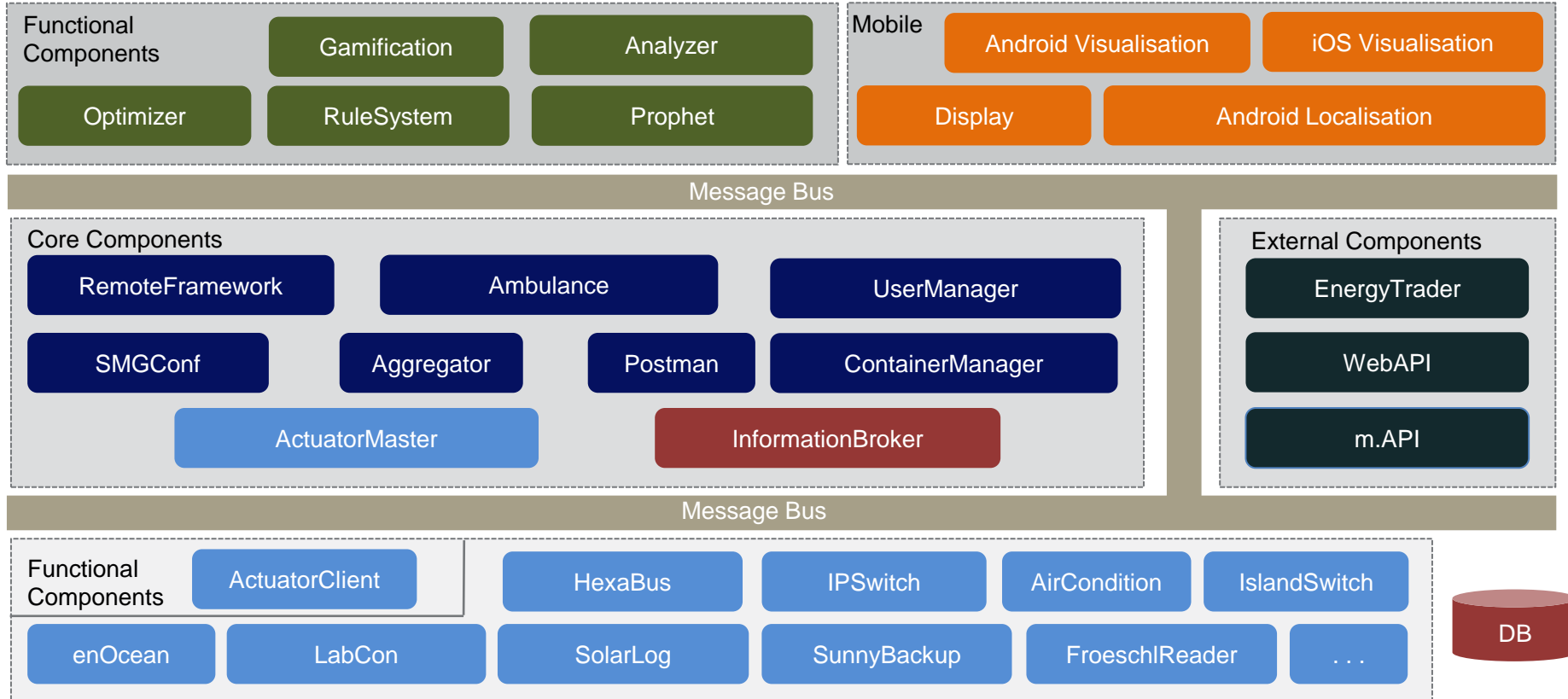


— Information Distribution
— Power Distribution

Smart Energy Living Lab

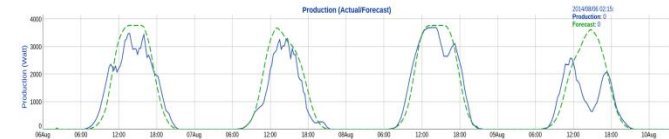
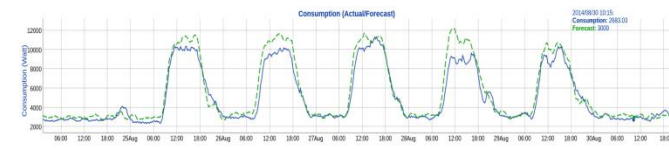


Architecture Overview

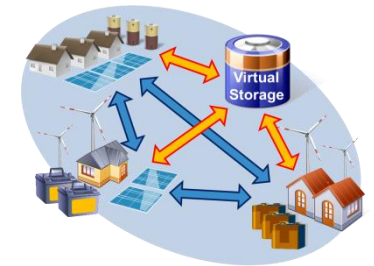
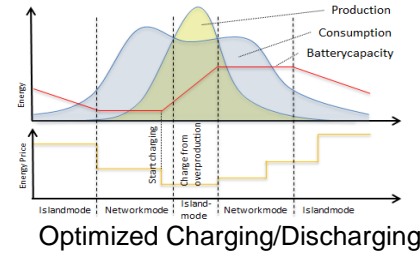


Current Projects/Challenges

- Consumption and PV-Production Forecasts
- Generate Optimized Schedules
- Provision of External Energy Services
- Automatic Rule Creation and Adaption
- Utilization of Gamification to Save Energy
- Co-simulation and Analysis of Virtual Power Plants (VPP)



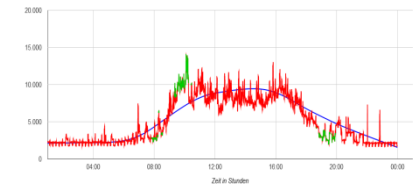
Consumption and Production (actual/forecast)



Energy Buffer Service



VPP Demo, Wissenschaftstage München



Peak Detection

Smart Energy Systems Group



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