

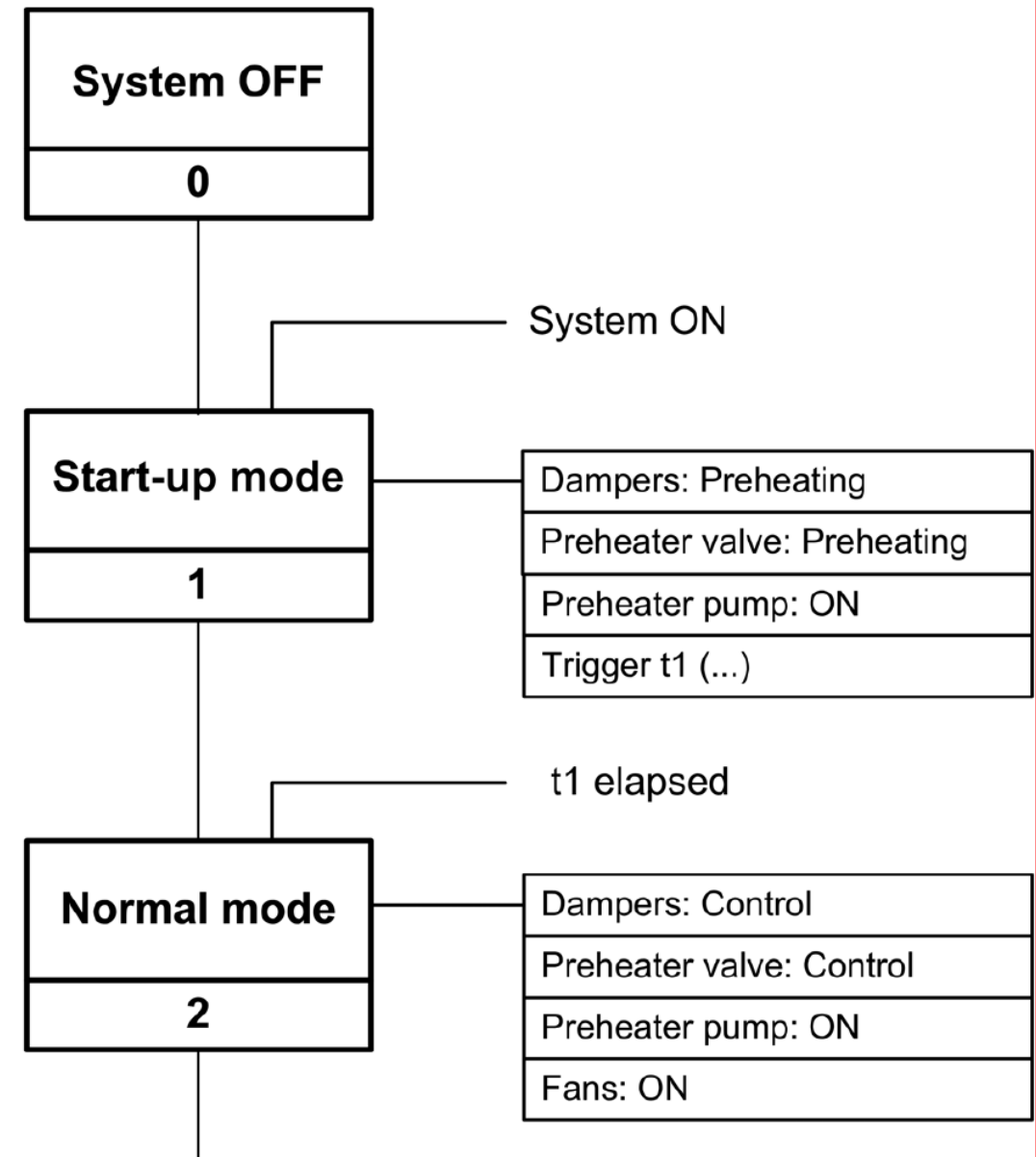
Conventional HVAC to prosumers

**Demonstration of economic-MPC on
a multi-technology plant using
practical building automation
framework**

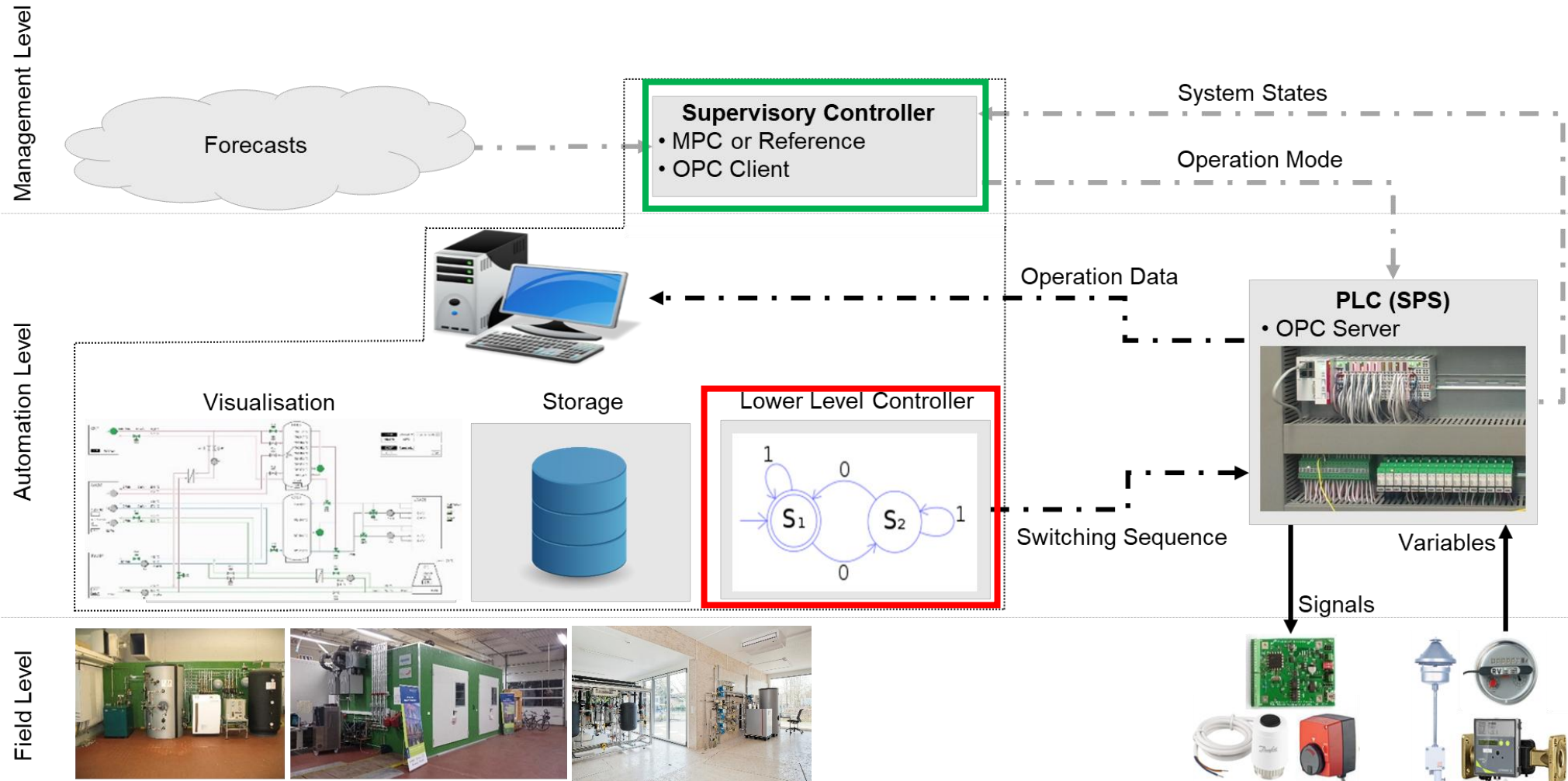
Dr.-Ing. Parantapa Sawant

Institute for Sustainability and Energy in Buildings

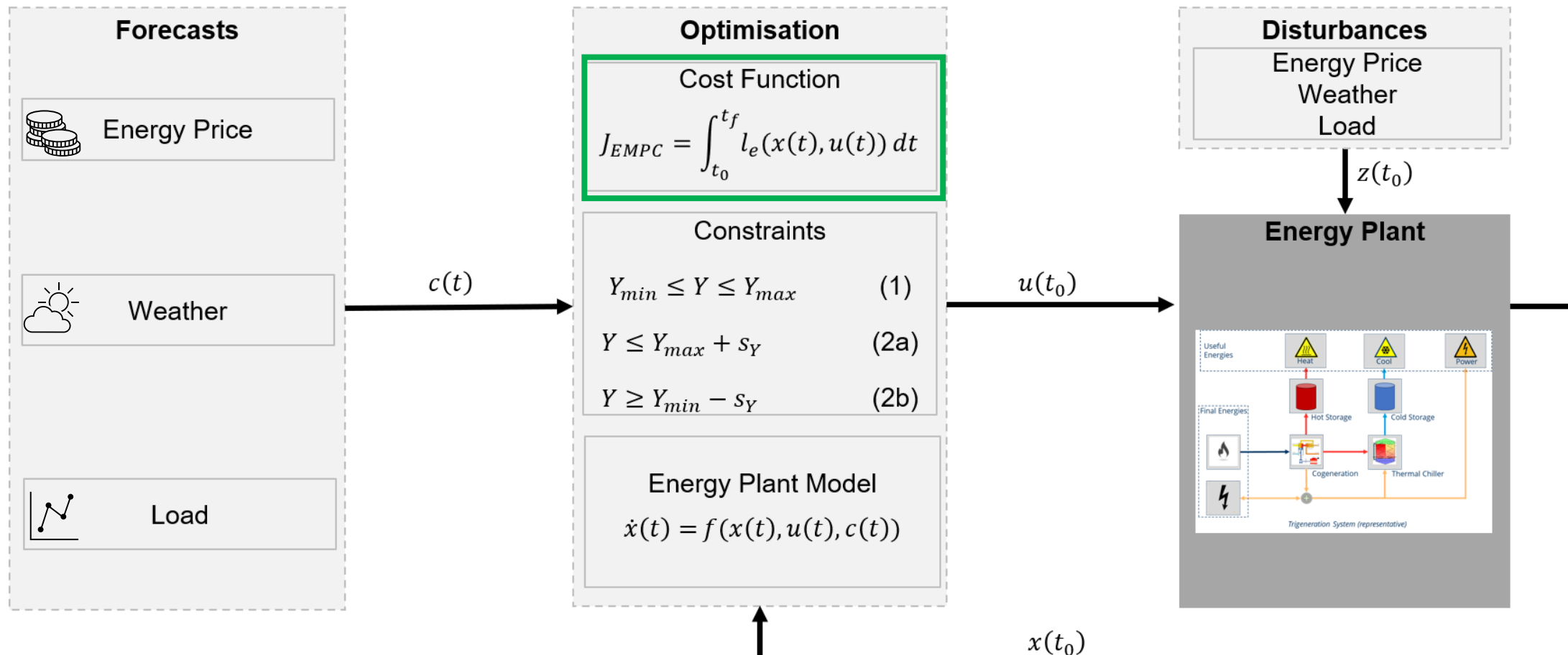
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Integration of advanced controllers in building automation

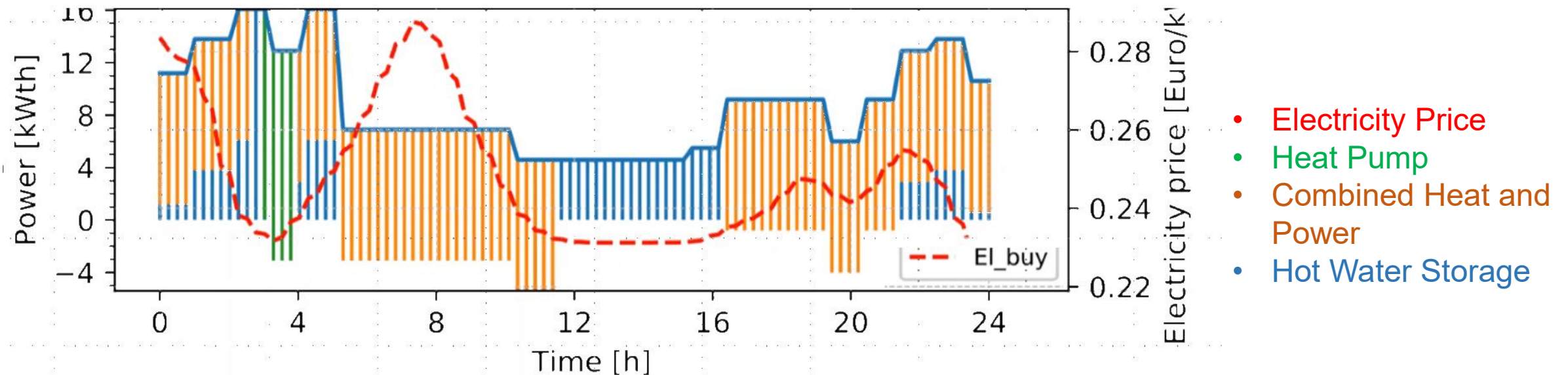


Model Predictive Control (MPC) in three steps: Forecast – Optimise – Control



Demonstration of EMPC in a prosumer set-up

Thermal Energy Balance



Prosumer coordination in decentralized energy systems

In an EU-UpperRhine project (ACA-MODES) we explored:

- How Advanced Control Algorithms can be used for Management of Decentralised Energy Systems
- What type of signals and market concepts can help coordinate different energy plants



Dr.-Ing. Parantapa SAWANT
*Renewable Energy and
Building Technology*

Parantapa.Sawant@fhnw.ch

