

Willkommen
Welcome
Bienvenue

Swiss-US Energy Innovation Days

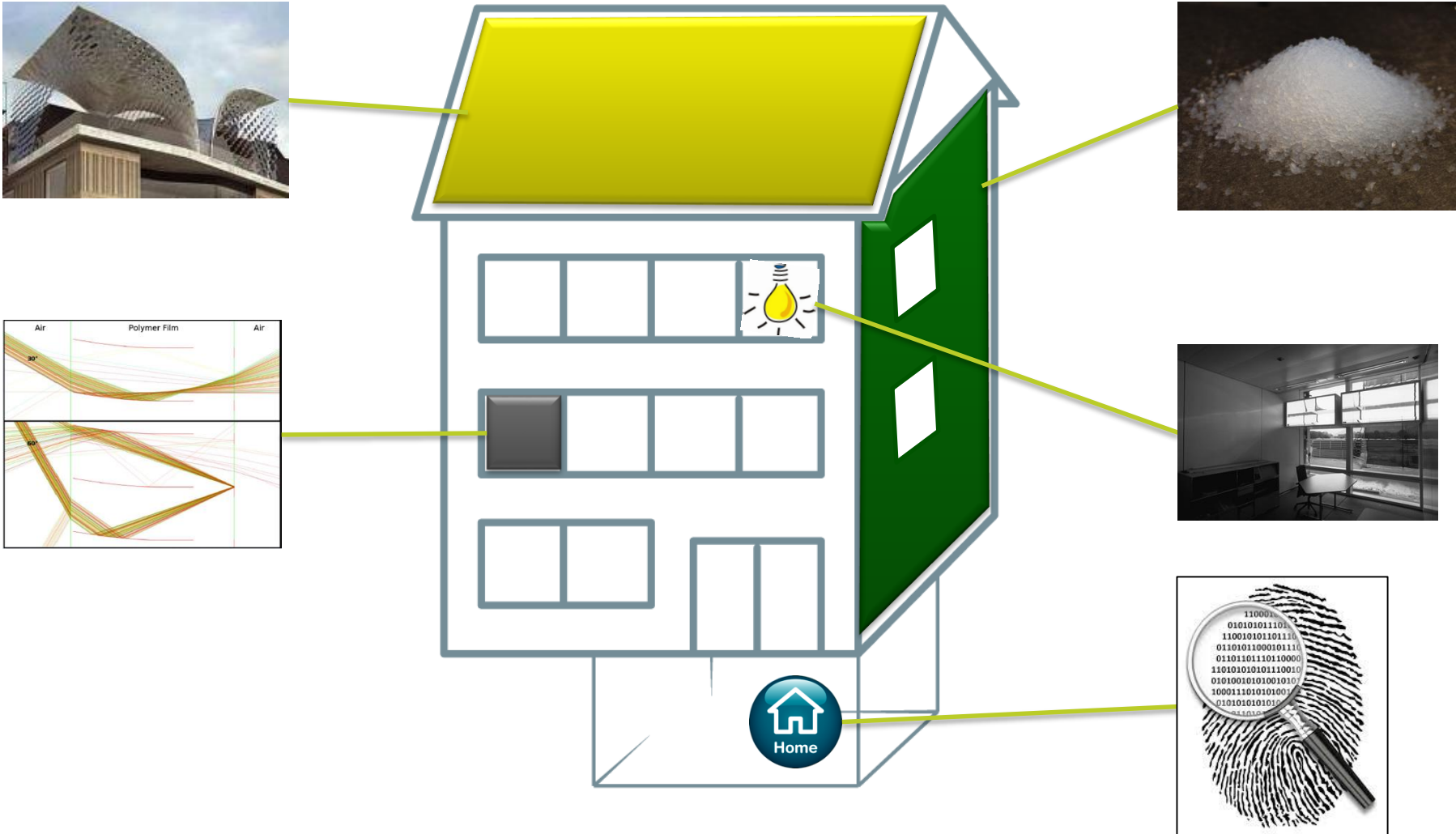
Workshop B Energy Technology – Buildings and Districts of the Future

Dr. Peter Richner
Empa

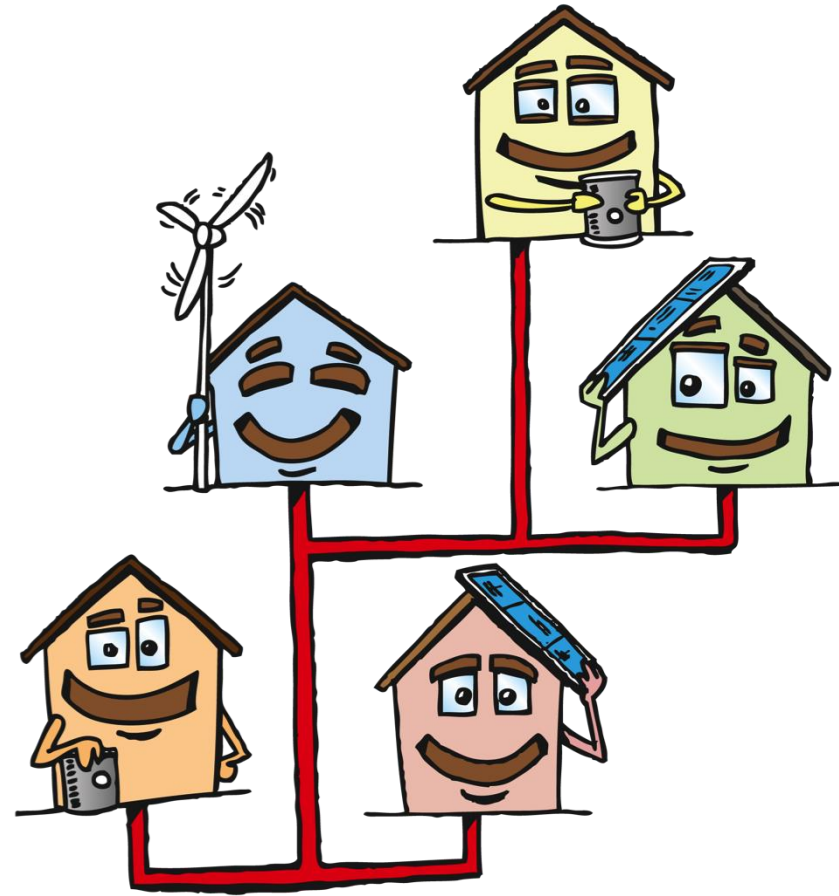
Objectives

- Identification of drivers and barriers for the transformation of the building stock towards more energy efficiency and a smaller carbon footprint
- Exchange of experience, current and future practice in US/CH
- Identification of potential collaborations between US and CH partners

Options at the Building Scale (Workshop Day 1)



From Buildings to Districts



Day 2 From Buildings to Districts

- What are the potentials of renewables, waste and locally available resources and where are these potentials located?
- How to implement a district concept within the frame of a university campus

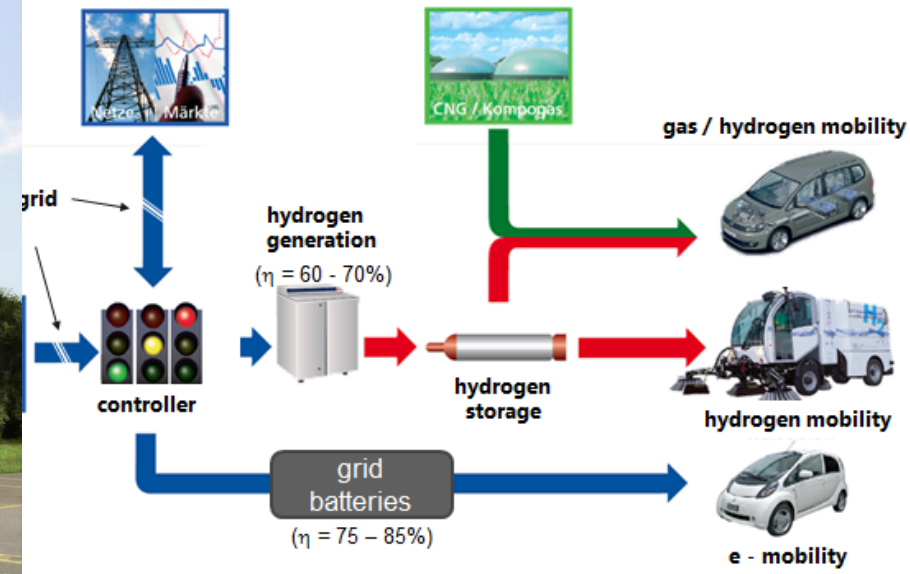
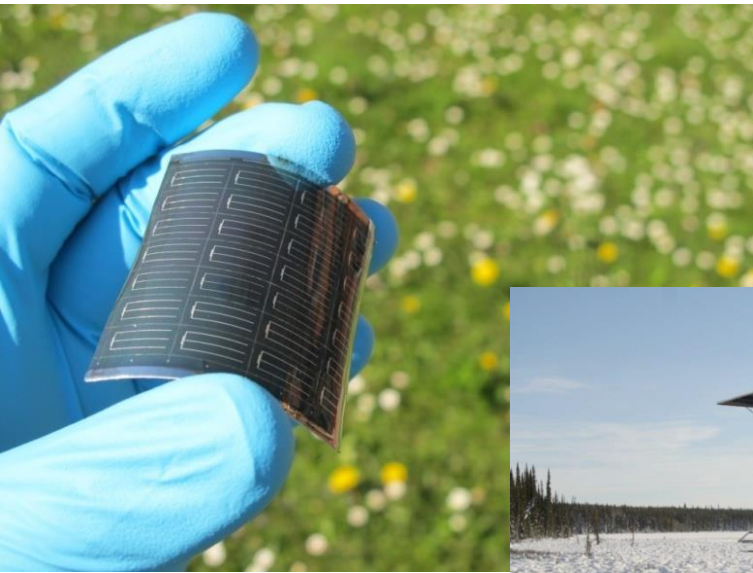
Program Day 2

- Introduction, Peter Richner
- Gaëtan Cherix, Center for Research in Energy and Cities: *"What are the potentials of renewables, waste and locally available resources? Where are these potentials located and how can we connect them to energy needs?"*
- Paul McManus, Questrom School of Business: *"Energy network at the district level"*
- Dominik Brem: *"Moving toward a carbon neutral campus: An anergy grid replaces fossil fuels"*
- Coffee Break [20']

Program Day 2

- Group discussions, breakout in 4 groups [60']
 - Group 1: What technologies are suitable to increase the overall energy efficiency of districts? (L. Baldini)
 - Group 2: Who are the most important stakeholders when decentralized energy networks are established? (R. Largo)
 - Group 3: What is the role of decentralized energy networks in the context of the national energy grid? (A. Altenburger)
- Conclusions and closing in plenum [30']

Site Visit Empa this afternoon





We have to change the world – and yes, we can do it!

