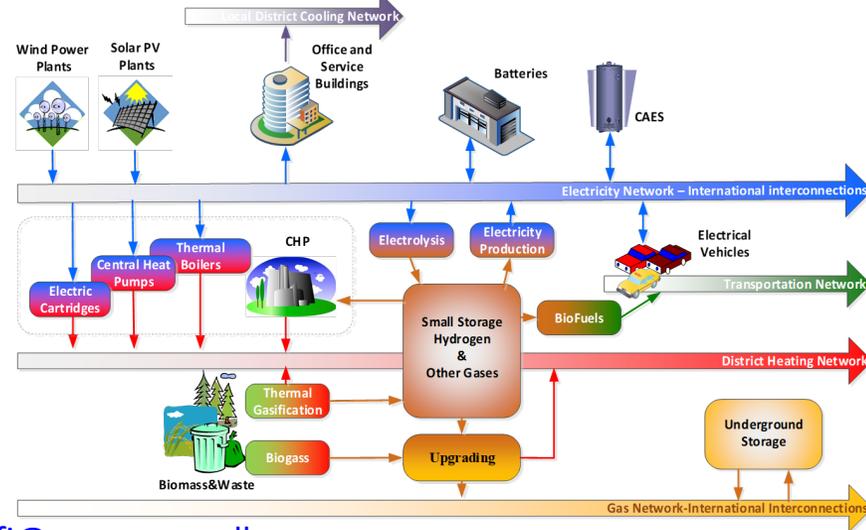


AAU Energy, Aalborg University, Denmark



AAU Energy <https://www.energy.aau.dk/>

- Focus on energy technologies and solutions for sustainable energy supply and consumption
- Conducts research for solving future energy and climate challenges
- Extensive collaborations with Danish and international companies
- Keywords:
 - Energy production/distribution/consumption
 - Energy optimization and control
 - Energy markets



Dr. Florin Iov, Associate Professor fi@energy.aau.dk

❖ Expertize/Activities:

- Modelling, simulation and control of renewable/hybrid energy systems (wind, energy storage, solar PV, Power2Heat, Power2Hydrogen, CCUS)
- Ancillary services & Grid code compliance
- Stability of power systems with high penetration of renewables
- Grid-connected or islanded system / large plants or small customers (household)
- Model based Design & Real-Time Digital Twins (Cyber Physical Systems)

- ❖ Coordinator of [Smart Energy Systems Laboratory](#) (included in EU ERA-Net JRP Smart Energy Systems list of testbeds)
- ❖ Member of EU ERA-Net JRP Smart Energy Systems / WG System Architecture and Implementation Modelling
- ❖ Running PhD/Industrial Course on Hybrid Power Plants

Expected involvement in EUDP - IEA Task 50 / Danish Consortium

- WP1 - Collection of research results (contributor)
- WP2 - Reference hybrid plants (leading)
- WP3 - Technology/algorithms (contributor)
- WP4 - Electrical design, markets, and grid services (contributor)
- WP5 – AAU Energy always open for collaboration with both academia and industry

