

# Greenet



The network of Horizon Europe  
Cluster 5 National Contact Point.



## Aalto University (Finland)

**GREENET Brokerage Event**  
**6th May 2025**

**Dr Udayanto Atmojo, Staff Scientist, Aalto University**



*The GREENET project has received funding from the EU Horizon Europe programme under Grant Agreement No 101069604*

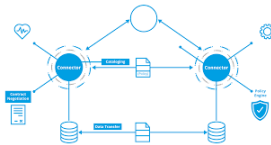
- **Aalto University** is a public research university located in Helsinki region (Espoo, Finland.), we are the 2<sup>nd</sup> biggest University in Finland.
- 100+ years old. Initially **Helsinki University of Technology**, in 2010 merged with the **Helsinki School of Economics** and the **University of Art and Design Helsinki**.
- The University has a Long track record in EU funded activities → 485 signed EU funded grants



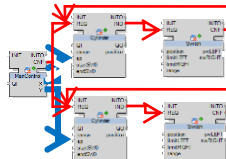
## Information Technology in Industrial Automation group – research area relevant to CL5 calls



AI, Data Science,  
machine learning



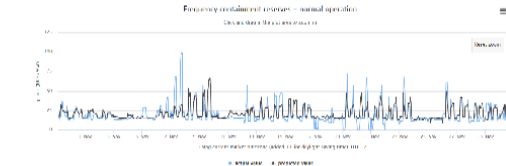
Data Space



IoT, Robotics, Digital Twin,  
Automation



Life Cycle  
Assessment



Energy system modelling –  
prediction, optimization

<https://www.aalto.fi/en/departement-of-electrical-engineering-and-automation/information-technologies-in-industrial-automation>





# Call topics of interest

- Cluster 5 and others where our expertise can apply, we often fit well to many calls, it all depends on the project scope and contributions needed





**eFeu**  
Efficient Energy Use

**Efficient Energy Use** : Co-Simulation of smart heating grid and Combined Heat Power (CHP) plant

Business Finland **Predictricity** : AI to develop predictive capabilities in connection with virtual power plants and to support making profitable business decisions.

Academy of Finland, “**Multi Energy Virtual Power Plant** - Adaptive Multi-Energy Virtual Power Plant for a Complex of Buildings ” 2022-2026

Business Finland **INDECS**– Integration of design and operation of cruise ship energy systems - reduce the fuel use and carbon on cruise ships (hotel, propulsion and engine)

Business Finland **SmartGrid 2.0** (2022-2025) – Next generation electricity distribution grid.

Academy of Finland “**Flexible customer**” : FLEXIBLE AND SMART CONSUMERS AS PART OF FUTURE SUSTAINABLE ENERGY SYSTEMS



Business Finland **Engineering Rulez** : Improve process and power plant efficiency and quality

Business Finland **AncillaryAI** - AI Based Electricity Demand Response Market Predictor

Business Finland **BatteryMonetizer** – Applying combination of modeling and artificial intelligence to optimize the next-day usage plan for battery energy storage



EU Chips JU **Arrowhead fPVN**– Secured data exchange and information interoperability across industrial value chain



EU **SEASHINE** – Safe intelligent agent to optimize ship energy management



# Contact Us



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