# S3 WIRELESS ICT PARTNERSHIP
## Smart Savilahti

Markku Huhtinen, Savonia UAS

# Project idea

- Remote environment, energy production and energy consumption monitoring utilizing 5G and NB-IoT
  - Use edge computing for AI based analysis and control
  - Linked to remote monitoring of water meters
- Link to EU directive: 2019/944 for internal market in electricity and energy communities

# Project goals

- Demonstrate and pilot wireless platform for smart city environment to monitor and control local energy production, consumption, and building automation
  - Connection to smart grid, micro grid, and self generated energy
  - Reduce $CO_2$
- Demonstrate and pilot open protocol to integrate different vendors to single analysis and control platform
- To support Energy Communities to find best practices for combining local energy production, energy consumption, building automation, billing,…

# What we need is…

- Partners who are studying the protocols and methods to transfer data between remote meters and analysis applications
- Partners who have expertise of researching and developing AI based solutions for smart cities