The Open Smart Grid Platform

Key challenges:

- Massive increase of new smart devices and data need due to increased digitalization
- Long lead-times and high integration costs for connecting applications to existing and new smart devices
- High maintenance effort and costs due to multiple single-purpose IoT platforms
- No agility for future smart grid developments due to lock-in on specific vendors and (closed) technology

Monitoring & data acquisition:
- Light sensors
- Fault detection
- Electricity use
- Power Quality
- Temperature
- Network Load

Control:
- Switching on/off
- Scheduling of decentralised actions
- Redirect energy flows
- Demand/Supply site management

Scada

Infrastructure with smart devices

IT applications for Operations & Management
The Open Smart Grid Platform

Key Features:

- Open source and based on open standards
- Multi-purpose and extendable: not limited to one use case, protocol, communication standard or specific device(s)
- Fully Scalable; high performance, dynamically scaling up and down with number of devices
- State of the art security

IT applications for Operations & Management

Open Smart Grid Platform

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Infrastructure with smart devices
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Key Use-cases:

- Remote grid operation
- Public lighting operation
- Microgrid operation
- Load management
- Asset management
- Metering
- Infrastructure management
Join the Open Smart Grid Platform project!

Visit our Github community @ Github.com/OSGP

Read our documentation @ documentation.opensmartgridplatform.org

Connect your hardware or applications

Drive innovation