

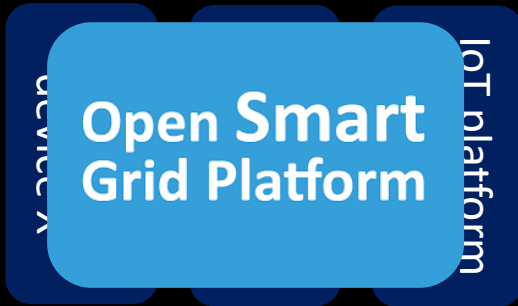
# The Open Smart Grid Platform

IT applications for Operations & Management



## Monitoring & data acquisition

- Light sensors
- Fault detection
- Electricity use
- Power Quality
- Temperature
- Network Load
- ...

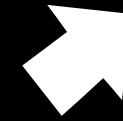


## Control

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



## 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

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**Open Smart  
Grid Platform**

## Control

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## 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**

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## Key Use-cases:

Remote grid operation

Public lighting operation

Microgrid operation

Load management

Asset management

Metering

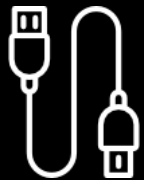
Infrastructure management

# Join the Open Smart Grid Platform project!



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Read our documentation @ [documentation.opensmartgridplatform.org](https://documentation.opensmartgridplatform.org)



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