

CAPEX ↑ 8% from asset repairs, replacements

Customers Complaints ↑ 10%

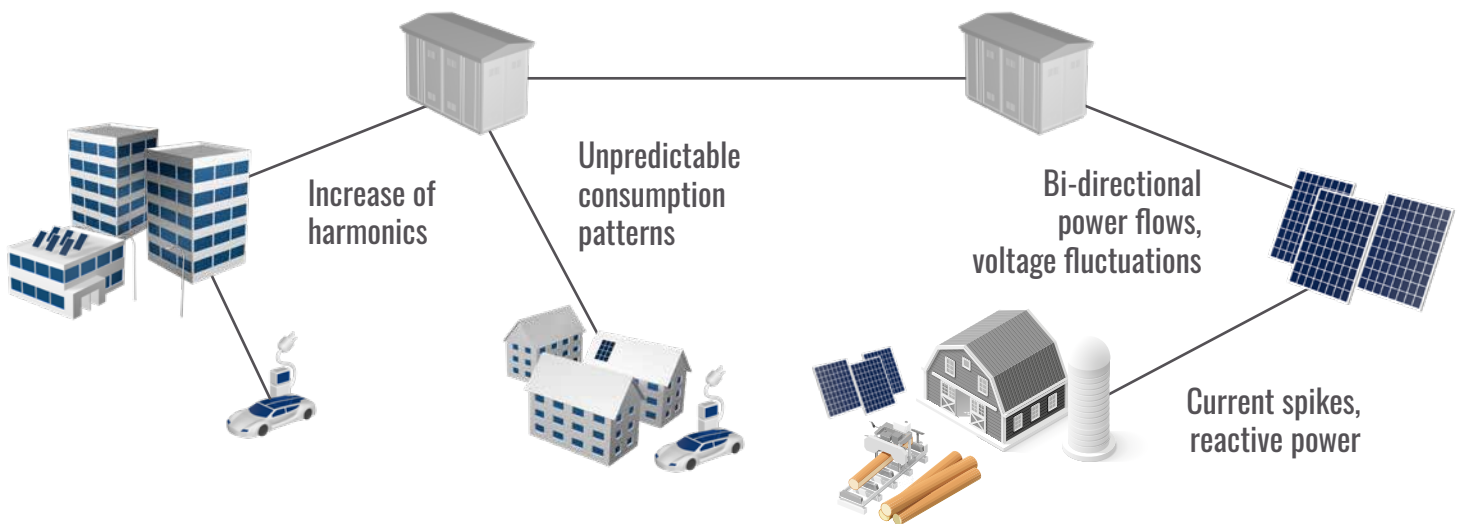
SAIDI ↑ 5% from late detection

Poor compliance with EN 50160

OPEX ↑ 7% from unplanned outages and team overload

This is putting our business and reputation at risk. What can I do about it?

## Low voltage network



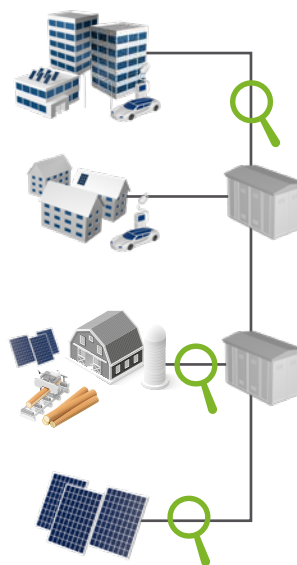
## What if it would be possible to:

- Gain **real-time access and visibility** of your transformer station and the LV network?
- **Detect variations and issues instantly** with alerts that **pinpoint source** and root-cause for **faster response**?
- **Reduce frequent, unnecessary expenditure** on network assets and services by monitoring and optimizing loads for **better performance and lifespan**?
- **Detect power quality issues** before receiving customer complaints?

## Real-time visibility and edge intelligence for low voltage networks

Gain full visibility and real-time insights from your low voltage network, leveraging data already available from power quality sensors, switches, temperature and motion sensors etc. at your substation. This allows you to:

- proactively monitor the grid, detect faults and identify their root cause
- prevent or respond quickly to asset failures and outages for improved SAIDI/SAIFI results
- plan and optimize asset utilization and upgrades for optimized CAPEX and OPEX
- leverage data to support several use cases at substations and LV network on the edge or in the cloud



### Discover issues at the Grid edge



HVAC, and EV chargers causing current spikes and harmonics, wearing down assets.



Unpredicted peak demands for EV charging pushing transformers and cables to capacity.



Heavy machinery causing unpredicted loads resulting in flickers, outages and customer complaints.



Renewables causing voltage variations affecting power quality.

## Take control with Landis+Gyr Grid Edge Connect

Platform based solution enabling better grid operations and informed decision making

### Distribution station

1. Implement Grid Edge Connect at the secondary substation

2. Integrate with existing devices or add new



Grid Edge Connect

Alarming

DER Voltage control

Outage management

Streetlight management

Asset's Life-cycle management



PQ device



Smoke detector



Temp/Humidity sensor



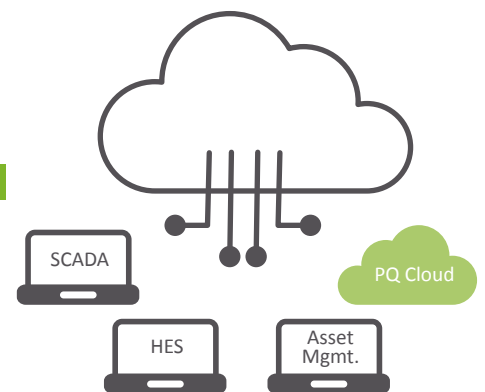
Door opening detector



FPI sensor

### Network Operations Centre

3. Bring intelligence to the Edge or expose data to your systems for grid monitoring and operations



## Key features

- All in one solution for substation connectivity and network visibility
- Easy retrofitting and integration with 3rd party devices
- Multi-protocol support IEC 104, Modbus RTU/TCP, DLMS/COSEM
- Flexible to add new applications and intelligence

Contact your local sales to learn how you can leverage Grid Edge Connect for your business.

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