

# Ari Grid Monitoring



## What is **Ari** capable of?

Ari integrates all the information from your smart meters, SCADA and GIS/NIS systems into a comprehensive distribution Grid Monitoring system.

- Get full grid visibility including Low Voltage
- Detect potential issues caused by DERs
- Increase operational efficiency
- Generate value from smart meter data
- A structured approach to data quality

As the penetration of Distributed Energy Resources continues to grow, distribution grids become increasingly challenged by intermittent loads and generation.

However, increasing grid digitalization provides data that until now has not fully been taken advantage of. **With Ari, all that data can be capitalized to improve grid utilization, reliability, and resilience.**





# Ari

## Grid Monitoring

### Real time visibility of electrical information

Get full visibility of all data available, starting from individual customers on low voltage and up throughout the network.

### Advanced analytics

Improve operational efficiency. Centralize access to data from different sources across the grid and organizational verticals.

### Phase detection and feeder mapping

Detect which customers are connected to each phase and how phases are mapped.

### Generate synthetic networks

Based on customer information and maps

### Reporting tailored to your needs

Customized and automated reports boosting the value of your data.

### CIM model compliant data integration

Standardized data exchange with 3rd party system using the CIM IEC standard.

### Non-technical loss detection

Easily detect fraud and administrative losses through data analytics and event monitoring.

### Smart meter event management

Get insights from the large amount of information available in smart meter events using data analytics.

### Outage detection

Fast and precise identification of outages based on smart meter events.

### Smart meter communication quality assessment

Increasing your data availability.

### Smart meter deployment support

Fast, efficient, and robust implementation of smart meters and energy management systems.

### Data quality management

Identifying errors in asset registration and mapping through visualization and analysis.

### Low voltage loop detection

Identify loops and inconsistencies in configuration.



[www.plexigrid.com](http://www.plexigrid.com)  
[info@plexigrid.com](mailto:info@plexigrid.com)



# Plexigrid

Reinventing electricity grids for the energy transition

**Spain**  
Plexigrid S.L.  
C/ Pedro Puig Adam  
s/n Espacio  
Tecnológico Campus  
33510 Gijón, Asturias

**Sweden**  
Plexigrid AB  
Birger Jarlsgatan 57C  
113 56 Stockholm