

# Tatari

## Grid Analytics



### What is **Tatari** ?

Tatari is a **real time grid analytics tool** for distribution network planning and operation, powered by a machine learning forecasting engine. Tatari gives you the power **to run real time simulations of the past, current and future state of the grid** and helps you:

- Understand available capacity
- Optimize investment planning
- Generate grid development plans
- Speed up connection requests
- Reduce losses

Tatari integrates with existing systems of the Distribution System Operator and combines data from for example smart meters, sensors, SCADA and GIS to create new insights through high performance grid analytics.

Contact us to find out how a Digital Twin can be implemented in your grid!





# Tatari

## Features



### Grid Analytics

#### ➤ Power flows on all voltage levels

Get full insights into power, voltage and currents down to low voltage, 4 wires.

#### ➤ Loss minimization

Identify and reduce losses by targeting both technical and non-technical losses.

#### ➤ New connections

Simulate the connection, disconnection or alteration of new load and generation.

#### ➤ Hosting capacity heat maps

Available network capacity considering power, voltage and current limitations.

#### ➤ Non-wires alternatives

Analyze the impact of using flexibility resources to defer grid reinforcements.

#### ➤ Long term scenario analysis

Monte Carlo analysis simulating probabilistic impact of future scenarios.

### Grid Operation

#### ➤ Network utilization analysis

Understand real time grid utilization, load durations and voltage drop.

#### ➤ Constraint analysis

Detect constraint violations down to low voltage and individual phases

#### ➤ Optimal grid configuration

Test and validate network configurations managing technical constraints



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## Plexigrid

Reinventing electricity grids  
for the energy transition

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