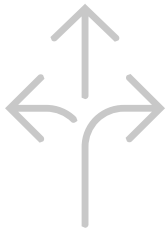




# Tia Flexibility Management



## What does Tia offer?

Tia maximizes the total value of Distributed Energy Resources (**DERs**) for network operators. With Tia you **can manage DERs contracted through non-firm connections or procure market based flexibility services**. Maintain grid stability while meeting demand for renewables within your current grid capacity.

Manage capacity constraints

Increase average grid utilization

Increase hosting capacity

Reduce or defer CAPEX investment

Take advantage of the inherent flexibility of millions of grids connected to DERs. With full visibility of the grid state, and future grid bottlenecks. Tia determines the optimum flexibility activation and enables the operator to take adequate action. Solve constraint violations or managing congestion through activating demand side flexibility through markets, non-firm connections, or flex tariffs





# Tia

## Features



## Flexibility Management

### DER forecasting

Model and forecast assets in front of and behind the meter to anticipate future grid load and generation.

### Congestion forecasting

Find out when, where and how much capacity you need to solve grid bottlenecks through AI forecasting.

### Demand Response

Manage bilateral agreements for peak shaving and congestion management.

### Volt/Var, Volt/Watt optimization

Send setpoints to inverters to manage feeder voltage profiles and avoid constrain violations and inverter tripping.

### Market based flexibility services

Integrate grid operations with market platforms to procure services alleviating grid constraints.

### Capacity grid tariffs

Explore a whole new way of load management with cost efficient capacity grid tariffs allowing optimized utilization of grid capacity and increase hosting capacity of DERs.

### Predictive load flows

Machine learning forecasts based on weather and calendar data.

### Publish Dynamic Operating Envelopes

For flexible exports and imports.



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# Plexigrid

Reinventing electricity grids  
for the energy transition

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