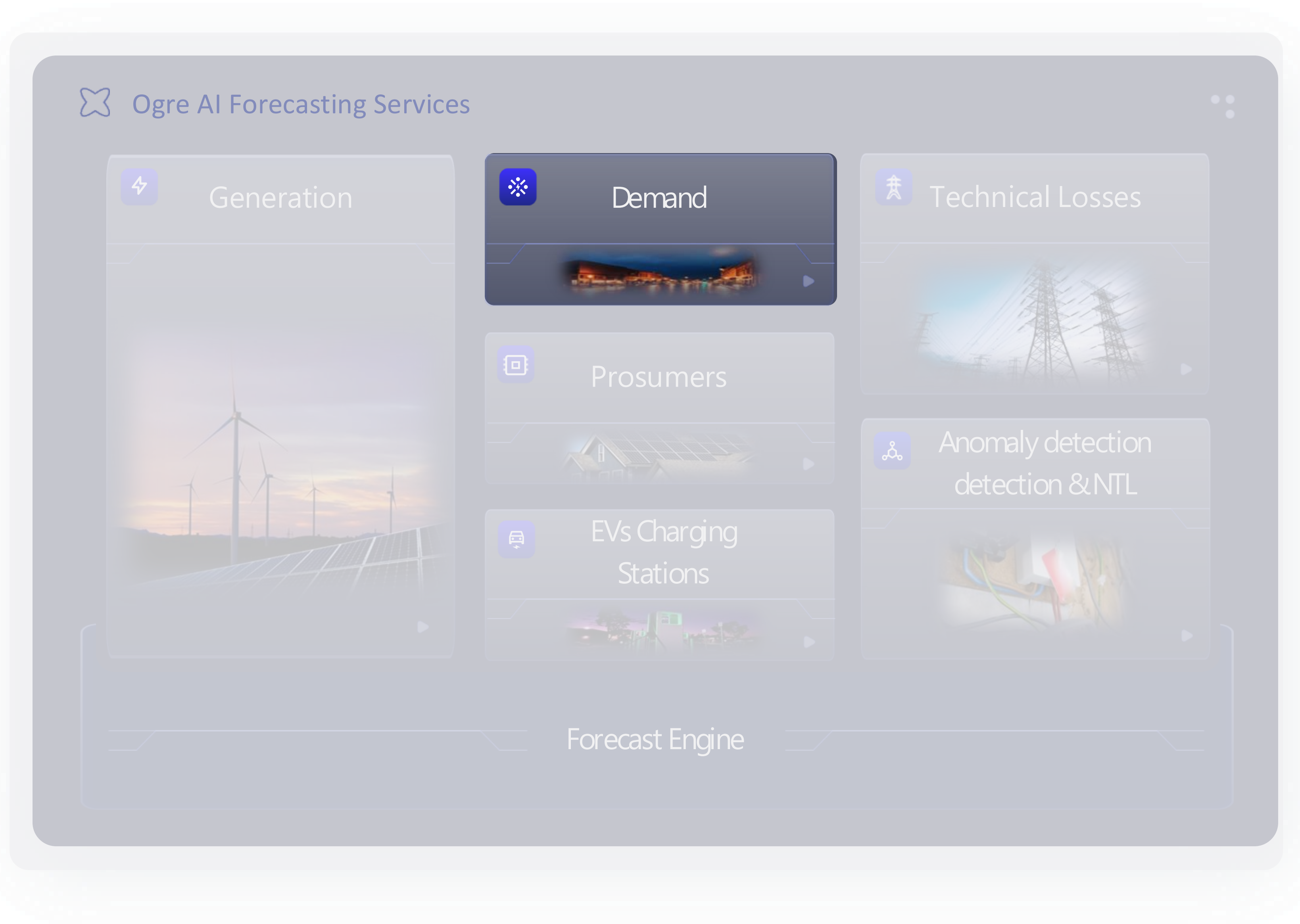


Cutting-edge AI Demand Forecast

Boosting the energy transition

Powering Proactive Energy Supply.

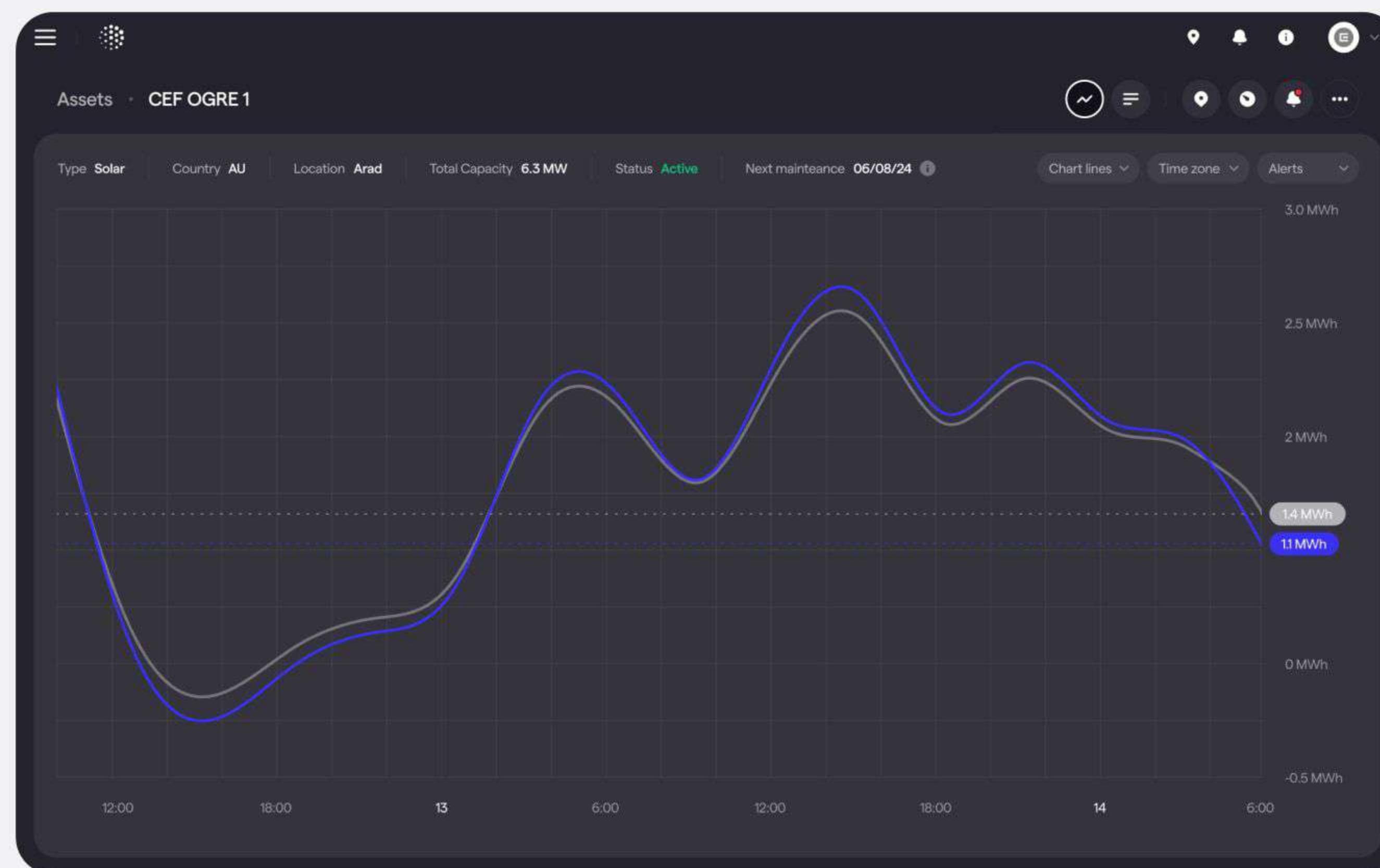
Predict energy consumption patterns with unparalleled accuracy. Our AI-powered solution helps you align supply with demand, minimize waste, and ensure grid reliability while adapting to your specific needs.



Demand Forecast Module

This module supports energy market operators to accurately forecast Demand / Load and provides built in reporting support

Our solution leverages advanced analytics, AI, and machine learning to provide precise energy demand forecasts. By analyzing historical data and incorporating real-time inputs, we empower utilities to optimize their operations and reduce costs



Demand Forecast Module



Features

- Reporting
- Weather, economic & social data integration
- Consumers, Clusters, Segments forecasting
- Advanced AI algorithms
- Historical Data visualization
- Performance tracking & Forecast accuracy metrics
- Role-based access control
- Notifications & Alerts
- Continuous Learning
- Prosumer Integration

Benefits

Enhanced economic efficiency

Allows for more strategic energy purchasing decisions while suppliers can buy energy at the most favourable prices and optimize their portfolios.

Enhanced consumer service

Allows for tailored demand response programs and improved customer satisfaction with cost-effective services

Facilitation of RES adoption

Operators can better manage the variability associated with renewable energy generation, ensuring that the grid can accommodate these sources without compromising reliability.

Accurate demand predictions

Our proprietary AI algorithms offer precise predictions of energy demand.



Background

The supplier needed a forecasting solution for accurately predicting the consumption of its 3.4M consumers in order to reduce balancing costs and boost profitability

Challenge

We were faced with a very limited implementation duration for our project, due to extremely complicated local market conditions - Ukraine war at the border and unfavourable regulations

Solution

For this supplier we have implemented our full stack solution composed of the data integrations and data management modules, our leading AI forecast engine and the Ogre reporting tool.

The full solution for 3.4M consumers was implemented in just a few months, within our partner's Azure cloud infrastructure system.

Results

26% Forecast error reduction

2-6% MAPE 15 mins

1-2% MAPE monthly

Testimonial

"The AI-driven solution we adopted to address profit margin problems has been transformative for our energy company.

The impressive efficiency gains and heightened sustainability practices have placed us at the forefront of innovation."



Claudia Griech
CEO



The AI platform for energy management



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