

Cutting-edge AI Generation Forecast

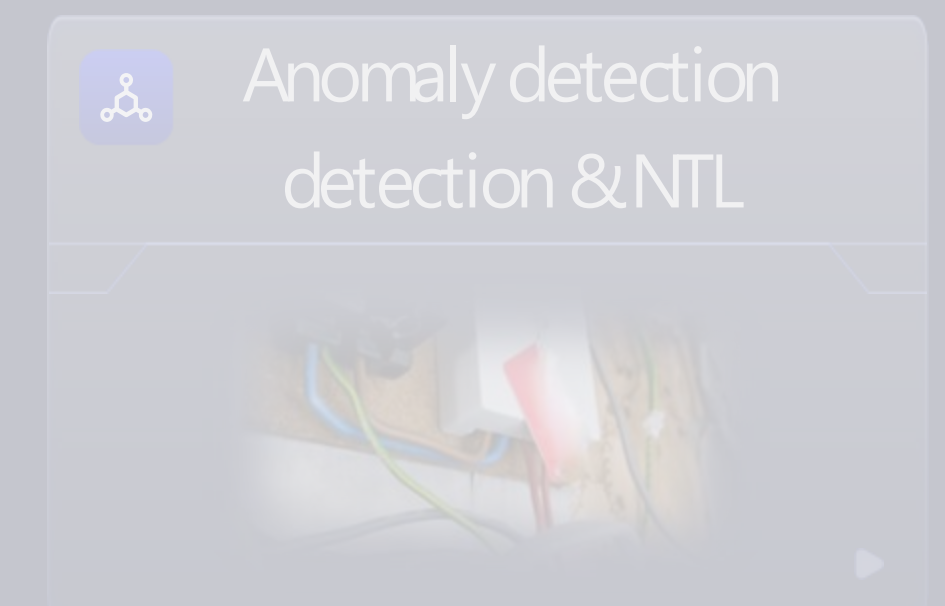
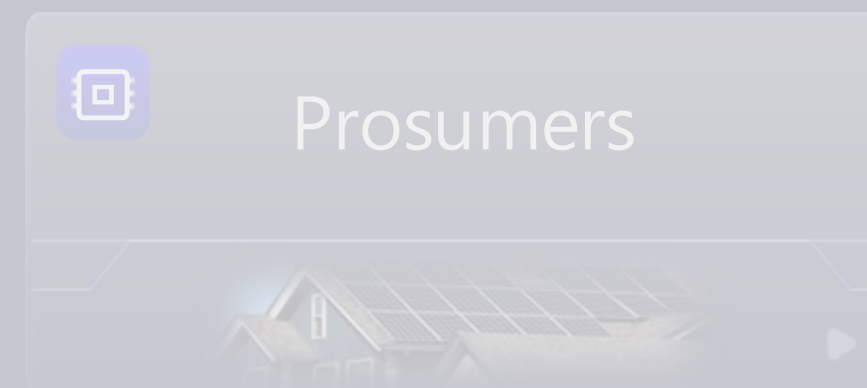
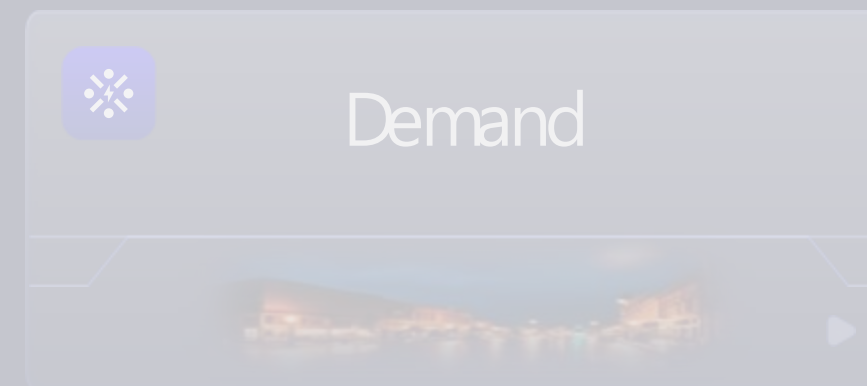
Boosting the energy transition

Accurate Generation Forecasting

Leverage AI-driven insights to predict energy generation with precision. Designed to optimize resource allocation and support you in managing fluctuating production dynamics.



Ogre AI Forecasting Services



Forecast

Generation Forecast Module

Introducing the next generation in renewable energy forecasting: an AI powered solution that leverages advanced machine learning algorithms to accurately predict energy generation from renewable sources

Our innovative solution uses real-time data from weather sensors, satellite imagery, and other sources to deliver highly accurate forecasts, allowing energy providers to optimize their operations and reduce costs. It also makes use of our proprietary weather model.

Assets

No	Type	Name	Country	Location	Total capacity	Latest forecasts	Status	Expiry date	Accuracy	Actions
01	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
02	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
03	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
04	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
05	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
06	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
07	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
08	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
09	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
10	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮
11	☀️	CEF OGRE 1	AU	Arad	6.3 MW		Active	-	🔄 99%	⋮

Generation Forecast Module



Features

- Real-time data processing
- Accurate forecasts
- Data visualization
- Integration with existing systems
- Cybersecurity
- User-friendly interface
- Virtual Power Plants
- Scalability
- Continuous improvement

Benefits

Improved grid integration

Enable renewable energy assets to integrate more smoothly into the grid, providing operators with reliable information on expected energy production.

Boosted storage management

More efficient usage of storage by determining the best times to store energy or release it back into the grid.

Reduced operational & balancing costs

and ancillary services, as well as decreased imbalances due to forecast accuracy.

Maximized energy production

Helps operators predict the optimal times for energy production & allows for the adjustment of operations to maximize output during peak price periods, increasing revenue.



Background

The leading producer was in need of a more efficient solution to improve the forecasting results for its 600 MW wind farm

Challenge

The geography and size of the wind farm as well as the local grid limitations brought great difficulties in predicting power output

Solution

We implemented our generation forecast solution together with the Ogre reporting tool.

Our partner now has access to leading real time forecasting as well as an easy to use reporting tool.

Results

17% Forecast error reduction

5-12% NMAE 15 mins

3-5% NMAE monthly

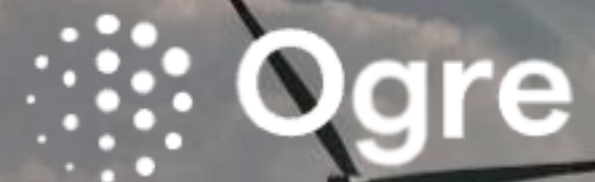
Testimonial

"I am incredibly impressed with the AI solution used for our 600 MW wind farm operations.

Its accurate forecasts have optimized our resource planning and generated significant financial gains, making it an invaluable tool for our company."



Ondrej Safar
CEO



The AI platform for energy management



ogre.ai

6 Gara Herastrau Globalworth Square, 3rd floor, 020334,
Bucharest, Romania

21 Ellis Street, Knightsbridge,
London SW1X 9AL, United Kingdom

office@ogre.ai
+40 (0)720 051 515