

Cutting-edge AI forecasting platform

Boosting the energy transition

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Ogre is a technology company specialized in Forecasting and Energy Management solutions.




Mission


Revolutionize the energy sector with cutting-edge AI forecasting and energy management technology, providing comprehensive, integrated solutions that enhance efficiency, reliability, and sustainability across the entire energy value chain.

Vision

To be the global leader in AI-powered energy solutions. We envision a future where our integrated solutions platform seamlessly connects all facets of the energy value chain, from generation and distribution to consumption, driving innovation, reducing environmental impact, and creating value for all stakeholders.

 Founded in 2021

 Bucharest & London

 First Financing Round 2022

 24 FTEs



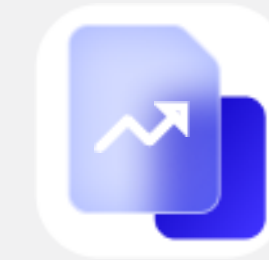
Expert Team

Our team boasts exceptional industry and AI / ML expertise together with academic and professional resources, with professorship at Oxford University and gold medalists in both international mathematics and informatics Olympiads.



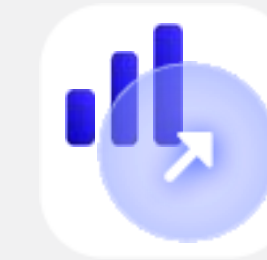
Applied knowledge

We have vast expertise in both electricity and gas sectors, with applied knowledge across the whole value chain: generation, supply and transport and distribution. We work with very large utilities such as ENEL, Engie and E.ON.



State of the Art Forecast Engine

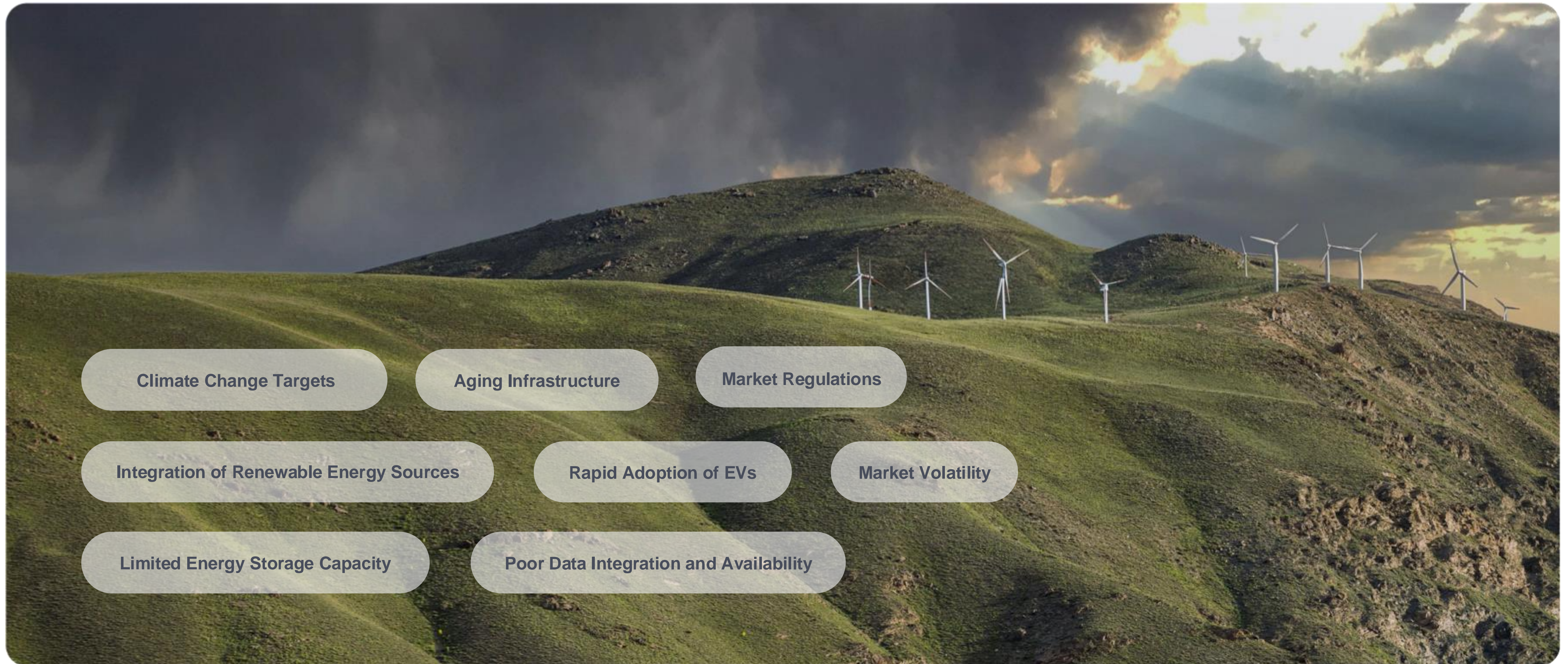
Utilizing the forefront of AI innovation, our forecasting tool is ahead of the curve and produces a customized forecasting engine for every asset or every consumer of every supplier, sometimes producing millions of individual engines for a single client.



Data Proficiency

We excel in integrating complex systems. We are not just data users but creators, boasting proprietary data sources including an in-house developed meteorological model that enriches our forecasting capabilities.

Challenges faced by Energy Operators



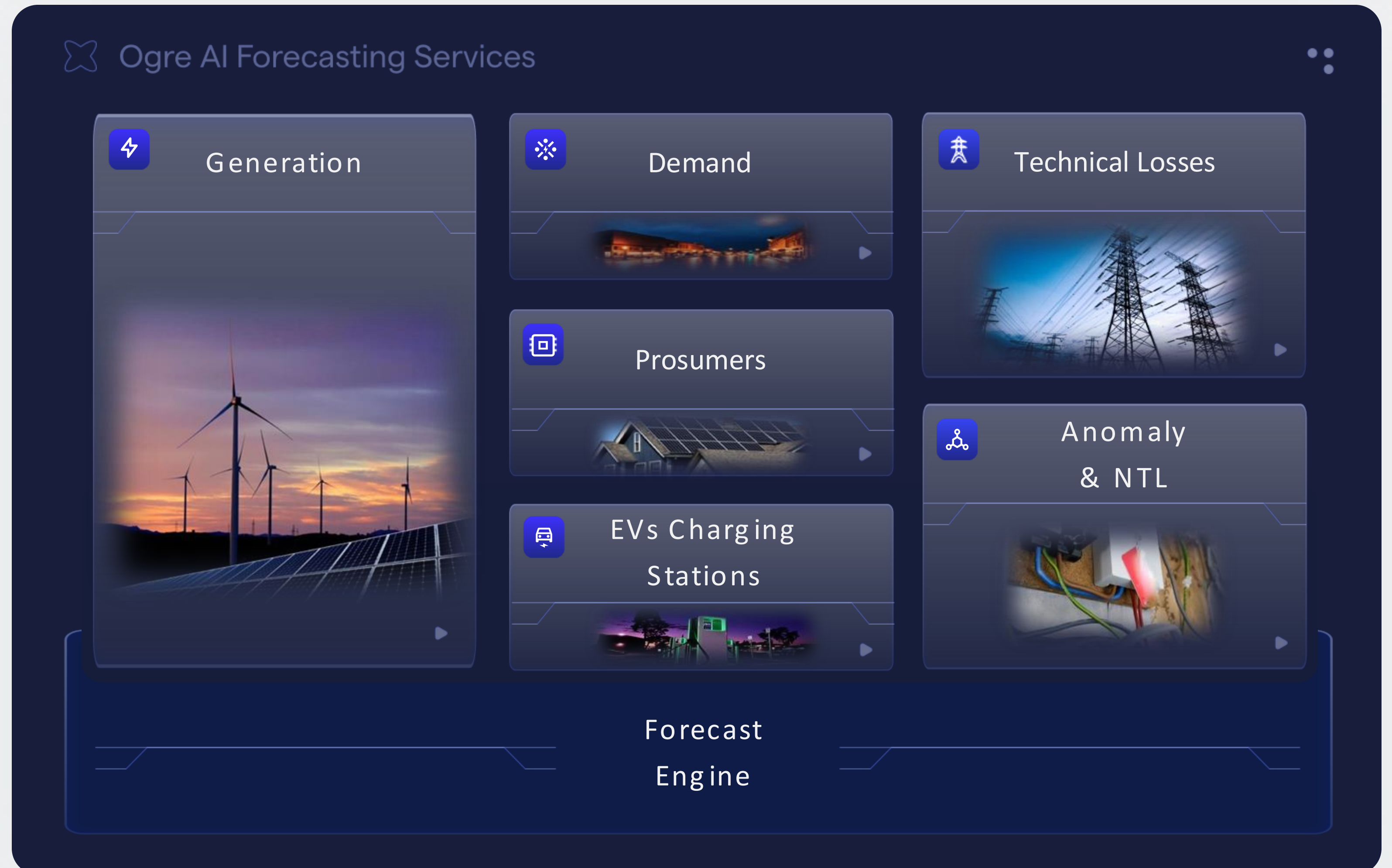
Broad Forecasting Needs

Spanning the entire Energy Value Chain from Generation to Consumption.



Six advanced AI-powered Forecasting Solutions tailored to our clients' profile and needs.

Each forecasting solution is powered by the Forecast Engine, designed to dynamically enhance forecasting accuracy over time.



Ogre AI Forecasting Services

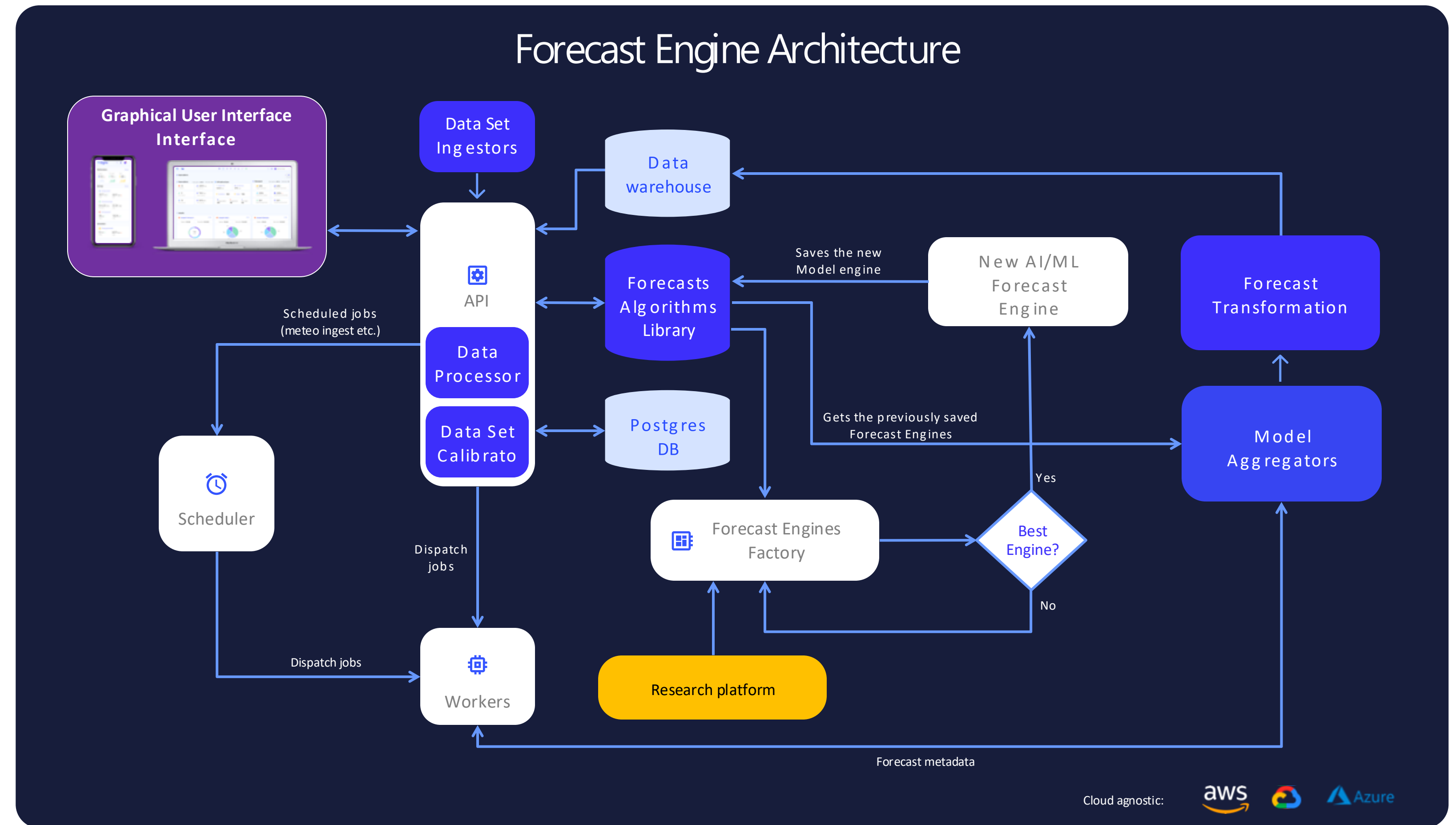
- Generation
- Demand
- Technical Losses
- Prosumers
- EVs Charging Stations
- Anomaly & NTL

Forecast Engine



Modular Forecast Engine architecture

Our Forecast Engine was designed to deliver results and optimal performance throughout the entire energy flow.





Key elements of our Forecast Engine

Ogre Forecasting Engine is an assembly of individual smaller pieces, that can play various roles in the forecasting process.



Data Set Ingestors:

- To make accurate forecasts, Ogre forecast engine needs relevant and comprehensive historical data.
- This data can be collected from several sources, such as databases, smart meters or consumption monitoring devices.



Data Processors:

- Data is processed in a format compatible with forecasting algorithms.
- This includes removing atypical or erroneous data, and/or performing other cleaning and processing operations. Automated processing is essential.



Data Set Calibrators:

- Some data sets need specific calibration to incorporate client specific information.
- E.g calibrating the meteorological data for a specific geography terrain or equipment properties.



Forecast Algorithms:

- The core of the Ogre forecast engine
- Used to generate forecasts and predictions based on historical data.
- Various types: linear regression algorithms, machine learning algorithms or time series algorithms



Model Aggregators:

- Given a set of sub-engines compute an ensemble forecast by various methodologies, ranging from simple model stacking to more complex aggregation neuronal networks.



Forecast Transformations:

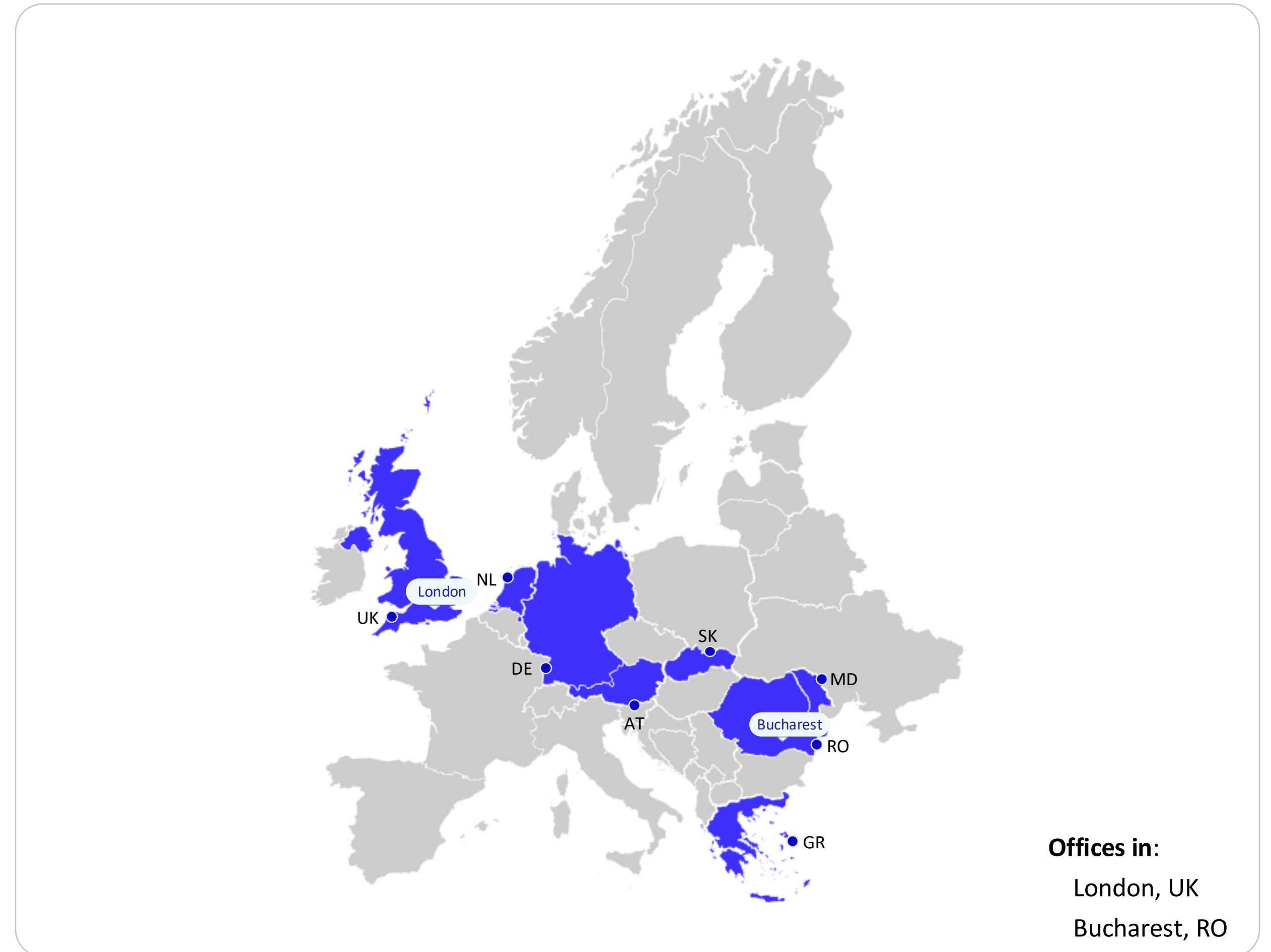
- Smoothing, regularizations and other transformations of the forecasting time-series to respect given constraints that are imposed by client specifications and technical knowledge.





We are present in several European markets

Providing accurate forecasting for energy companies in the Netherlands, Germany, Austria, Greece, Romania, Slovakia, Moldova.



From Pilot stage to full Production

Test

Pilot program

Limited to 1-3 months



Ogre solution

Yearly Subscription

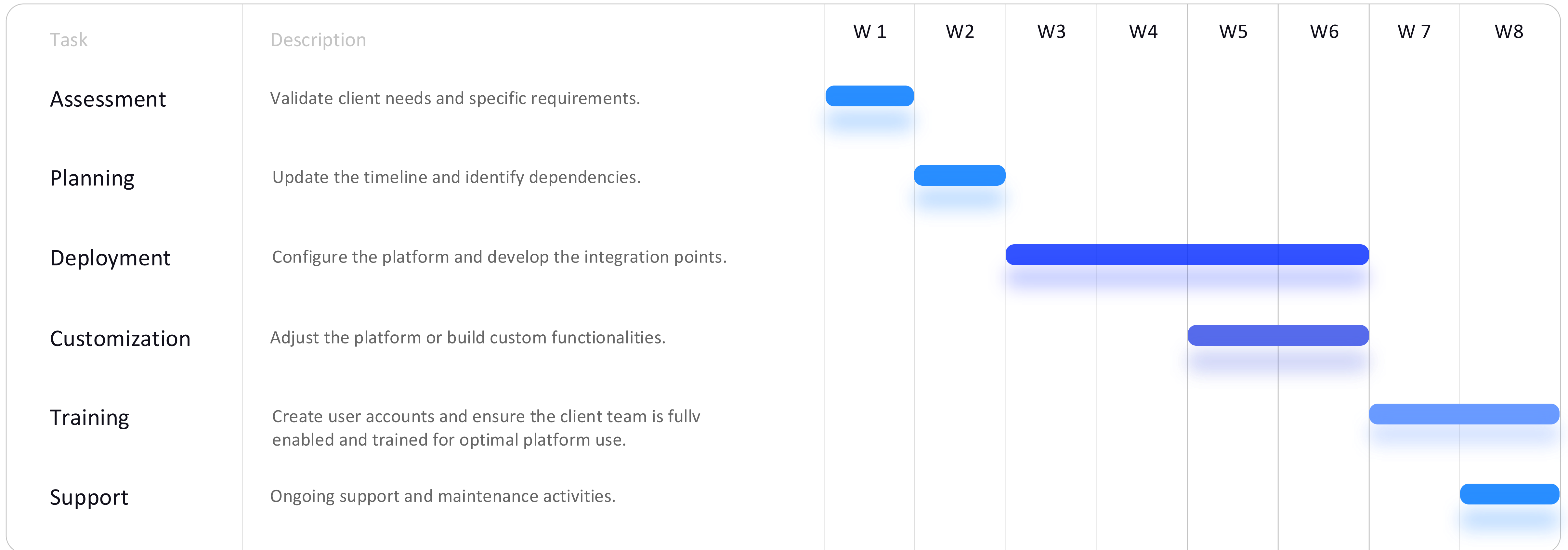
- Unlimited usage
- One time payment for integration and configuration
- On-going support included

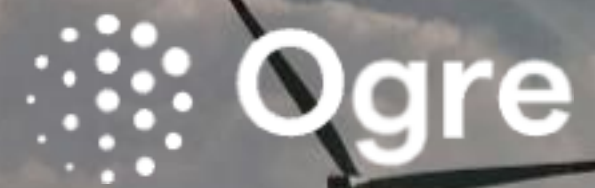
Payment

Monthly

Yearly







The AI platform for energy management



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