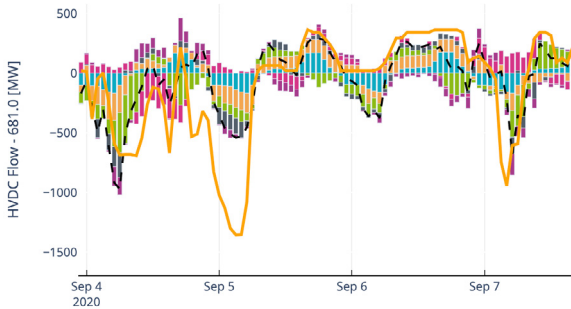


Forecasting for system operators

Build and customize forecasting and decision support solutions for a wide range of use cases



Foresight and decision support in an uncertain energy system

The N-SIDE Energy Forecasting Platform enables the development of predictive and prescriptive forecasting services. Whether you're starting from a demonstrated use case or building a new one, our forecasting services can be easily customized to your specific needs.

Forecasting Services supported

Load Flow Forecasting Services

Reinforce or complement your power flow simulation for active and reactive power.

Nodal Load Forecasting Services

Deliver the required view on the future conditions of your assets from week-ahead to real-time.

System Parameters Forecasting Services

Define your application and strategy (i.e. reduce maximal errors, define probabilistic ranges) and get the volume prediction you're looking for.

Proven solutions



30% MAE improvement on peak load forecasting on substations



3 days to validate the performance for a new use case



500+GWh optimized annually



15+ companies relying on N-SIDE's Energy Forecasting Platform

How it works

INPUTS

On top of your data, the N-SIDE Energy Forecasting Platform leverages more than 500 data sources and 50,000 free parameters to generate high-quality forecasts. Inputs include fundamentals data (consumption, generation mix, renewable generation, weather data, etc.), direct market information and your data through a Push API.



ALGORITHM

We focus on families of algorithms such as boosted regression trees which we've rendered explainable with proprietary methods and a dedicated user interface, to eliminate the black box effect and deliver the maximum level of interpretability.

FORECASTS

Forecasts are delivered and updated at the optimal moment in order to maximize their business value. They are available on a reliable user-friendly platform, giving you the opportunity to adapt the tool to your own workflows. You'll also benefit from a clear visualization of your performance.

This same platform supports all our other forecasting applications, enabling you to access all your forecasters in one place.

INTEGRATION AND SUPPORT

Our forecast results are available by default through a secure API connection, making it simple to integrate the Energy Forecasting Platform with your existing systems and operational processes.

Meanwhile, our support and maintenance services ensure robust, reliable, and secure operation through our Service Desk:

- Single point of contact per client, you will always be heard
- Easy tracking of the request for us but for you as well
- Share tickets to your colleagues

INTERPRETABILITY

Precision without understanding is nothing. Our platform comes with a graphical interface and a transparency dashboard that ensures you can understand, at any moment, the impact of each driver and data source.

Benefits



Foresight

Get a view of the highest-impact system parameters for your operation, from week-ahead to real-time.



Customization

Our forecasting platform is responsive to your specific needs. Access tailor-made forecasts that have been validated on a wide range of use cases.



Integration

Get easy access to the forecasts you want by integrating them into your operations via API.



Transparency

Avoid the black box effect. Our explainable machine learning algorithms enable fully transparent forecasts.

