UTOPUS
INSIGHTS

Schedule a demo
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Orchestrating the future of energy today.

Breakthrough software at the intersection of **energy**, **data**, and **weather** to help you unleash affordable innovation that delivers results.

MaestrOS

Perhaps the most advanced energy analytics platform in the world.

A scalable, fully featured hybrid platform offered on-premises or SaaS, **MaestrOS** utilizes groundbreaking, patented technology to improve your performance outcomes.

This platform is differentiated by the power of its data curation engine, CIM-compliant common data model and integration of hyperlocal weather. **MaestrOS** also features published, public and secured APIs and an intuitive design visualization wizard.

This open, integrated platform works in harmony with your existing software, grows at innovation speed, and will enable your team to rapidly unlock new use-case value.

Features
- Multi-operational domain applicability
- Secure user authorization/validation
- Scalable, flexible, customizable
- Open API integration

Xplore

Real-time asset performance management for wind & solar.

Xplore is the industry changing application that provides intuitive, customizable visualizations of real-time performance for every wind/solar asset within your fleet regardless of location or OEM.

Set your own operational performance metrics with instant alerts through a patented, innovative performance modeling capability. Whatever the size of your spatio-temporal data demands, **Xplore** can clean, organize and structure your data in a format that enables you to reveal new operational insights that reduce costs and improve efficiency.

Features

• Real-time insights into wind/solar fleet operations across your entire asset fleet – no matter their location, size or OEM

• Intuitive visualizations you customize to suit your particular KPIs, field crew demands, regulatory requirements, or any other metric

• Seamlessly scale up to your entire fleet, drill down to a single asset or review at any operational level in between to assess your operational performance as you need

Pulse

Asset analytics for wind & solar.

Pulse is the industry's first one-stop predictive application that enables you to identify, prioritize and preempt critical wind/solar component failure across your entire enterprise.

Insights as to remaining inverter, transformer, generator, bearing and other mechanical/electrical equipment component life enables you to improve asset performance and system reliability, and target capital investment to where it provides the greatest value.

Pulse also arms your field personnel with up-to-the-minute system performance information to increase their safety, productivity and effectiveness.

Features

• Industry-best data pattern recognition enables optimized asset performance

• Enterprise-wide asset intelligence regardless of scope, location or model type

• Delivers critical component protection to improve reliability, secure greatest capital investment return

• Closed-loop system enables shared information from control room to in-field personnel

HyperCast

Renewable forecasting for wind & solar.

HyperCast is the industry leading solar and wind forecasting tool with a forecast MAE as low as 7-8%, and updated every 10 minutes. This capability is driven by our proprietary, hyperlocal weather service, that delivers 10-minute interval weather predictions up to 96 hours in advance at each solar farm location and each wind turbine location and hub height.

Forecasted weather parameters include temperature, precipitation, irradiance, wind speed and wind gusts. Advanced machine learning models leverage real-time measurement data from solar and wind farms to predict incredibly accurate intraday, next-day, and three-day forecasts.

Features

• Performs at a level among the world's most accurate wind energy forecasting and nowcasting

• Utilizes energy generation-specific, hyperaccurate weather prediction

• Accurately determine both available and active power generation

• Minimizes downtime: sync maintenance work to low-production days with up to 14 days in lead time

• Maximizes revenue: utilize competitive intelligence to leverage market imbalances and sharpen day-ahead and intra-day bid strategies

• Automate and rank order individual turbine performance analyses with customized alerts to quickly identify anomalies

Nostradamus

Hyperlocal, hyperaccurate weather forecasting.

Nostradamus is the most advanced energy-specialized weather forecasting service available. Covering the complete energy ecosystem, it couples physical and statistical modelling for forecasts up to 72 hours in advance, at a 10-minute temporal resolution with an industry-best level of precision down to 1 km². The tool is embedded with renewable-specific energy expertise that can be made available as a SaaS within five business days.

Features

• Best-in-class forecast accuracy up to 72 hours in advance, refreshed every 10 minutes

• Scalable and adaptive forecasting to meet your specific needs

• Can be quickly linked to your GIS-mapped assets