



Net Zero Solutions

Turn data into value
with AI-driven Wind
Advanced Analytics

Turn Data Into Value

Univers Wind Advanced Analytics

Univers Wind Advanced Analytics empowers renewable energy companies and power plant operators by harnessing the full potential of data. This cutting-edge solution utilizes advanced data techniques, artificial intelligence, machine learning, and sophisticated statistical methods to analyze extensive datasets. By seamlessly integrating past and present data, it enables businesses to simulate future scenarios in real time. This transformative approach goes beyond mere description and diagnosis of equipment performance issues.

Univers Wind Advanced Analytics provides actionable insights by making accurate predictions and offering recommendations to enhance operational efficiency, extend equipment lifespan, and maximize asset value. This streamlined process not only reduces uncertainty but also optimizes decision-making, leading to increased production capacity and a more robust bottom line for these forward-thinking organizations.



Univers Wind Advanced Analytics



Increase annual energy production

Here are some ways in which Univers Wind Advanced Analytics can help improve the performance of renewable energy assets:

- Identifying conditions that are not performing up to par, without relying on the OEM.
- Automating the process of determining the root causes of underperforming assets.
- Identifying energy losses due to suboptimal control strategies



Increase team's efficiency

Univers Wind Advanced Analytics can help improve data collection, reporting, and analysis by automating these processes.

It can also improve the distribution of data to Asset Managers or Performance Engineers, ensuring that they have access to all relevant insights before making decisions.



Reduce maintenance cost

Our product can help reduce logistic costs by providing early warning of potential issues with the turbines. Its advanced machine learning algorithms can detect potential failure before they happen, allowing for timely intervention and repairs.



Reduce cost of failures

With Univers Wind Advanced Analytics, you will be able to optimize your planned corrective actions by coupling forecast and team planner.



Key capabilities. How it works.

Univers Wind Advanced Analytics



Bring value to your data

Analyze more than 80 SCADA Tags. Compute about 90 different alarms with high precision and reliability.



Stay informed about all critical information at all times

Keep key stakeholders informed about alarms by categorizing them into three levels of severity and proactively providing updates to asset managers, O&M teams, and insurance underwriters.



Challenge your O&M about scheduled maintenance

Helps organize and schedule O&M more efficiently and cost effectively to reduce costs.



Use SCADA and CMS Data to predict failures

Physical and Machine Learning models are supporting the user for failure predictions.



Key Features

Univers Advanced Analytics For Wind

One of the best algorithm in wind industry



Issue Management

Obtain quick understanding of the root causes and component failures.

Our product offers alarms that are categorized into Health, Derates, Control and Sensors.

Health alarms use Scada and Vibration data to generate reliable and precise indications on which component is failing and why.

Derates alarms use Machine Learning models to detect common issues like icing or high temperatures.

Control alarms allows you to challenge O&M by analyzing the potential impacts of a change in control parameters.

Sensors alarms are warning you about any deviations in the normal behavior of a sensor.





Turn data into value. Scale Innovation with Bazefield.

Bazefield - All your data in one place

To learn more about AI-driven Wind Advanced Analytics, please contact sales@bazefield.com.

Univers AS is a software product company headquartered in Porsgrunn, Norway.

The Bazefield Operations Management System is a comprehensive, state-of-the-art renewables monitoring & analytics platform, designed to help asset owners, operators, and investors understand the technical, financial, and logistical performance issues occurring across their fleet. By logging into the web-based portal, any user can view all key asset data, alarms, events, allocations, tasks, and work orders in real time, regardless of the type, make, or model of the asset.

The generic nature of Bazefield allows it to be seamlessly deployed across all renewable asset classes, including solar, battery storage, wind, thermal, and hydro-powered plants. As a result, the Bazefield web portal serves as a one-stop-shop of all critical renewable key performance indicators (KPIs), and enables visibility into the exact problems on site, and how to correct them. Bazefield has been deployed on over 1,800 sites across 5 continents, encompassing over 120 GW of renewable assets monitored daily.