

OSAPIENS CASE STUDY

# Harnessing the wind of change: How Nordex is driving sustainable efficiency

osapiens HUB for Maintenance

## Wind of Change: How Wind Turbines Are Shaping a Sustainable Future

The Nordex Group is advancing the green transformation of the energy sector by delivering wind turbines for clean, renewable energy, with sustainability at the core of its business strategy. Their mission is to meet 100% of global energy needs with renewable sources, em-

power communities worldwide, and contribute to a cleaner planet. For over 35 years, Nordex has specialized in the development, manufacturing, project management, and servicing of onshore wind turbines, supported by a team of more than 10,200 employees. Since merging with Acciona Windpower in 2016, Nordex has grown into one of the world's largest wind turbine manufacturers.



The ESG platform to make an impact

## Efficiency in Motion: Transforming Wind Turbines for a Sustainable Future with the osapiens HUB

Nordex is committed to sustainability in its turbine operations. Aligned with the 1.5C threshold of global warming, Nordex has set ambitious targets: achieving climate neutrality for Scope 1 and 2 by 2023, reducing the carbon footprint of its turbines by 25% by 2025, and delivering fully recyclable rotor blades by 2032.

To achieve these sustainability goals, Nordex focuses on maximizing productivity while minimizing costs. It has optimized its maintenance processes, integrated digital solutions, and provides continuous training through a specialized training center. To improve service efficiency and minimize turbine downtime, Nordex has partnered with osapiens for the past two years.

## osapiens HUB: Powering Digital Transformation

With support from the osapiens HUB and seamless integration into existing systems, Nordex is streamlining its operations. The osapiens HUB for Maintenance was integrated to make maintenance and technical tasks on wind turbines more efficient. This platform enables real-time monitoring and management of turbine performance. If an issue arises, the system sends instant notifications via a mobile app, allowing technicians to respond quickly. Within the HUB, they can access detailed checklists, material needs, and automated reports.

The osapiens solution tracks costs, analyzes operational data, and improves future planning. It also supports predictive maintenance - servicing components before they fail - to minimize turbine downtime and boost global operational efficiency.



## Sustainable Wind Turbines Powered by Data: The Impact of the osapiens HUB

As a global company, harmonizing processes across various regions and turbine operations is essential. The partnership with osapiens is crucial to standardize these processes – from planning to execution, service, and maintenance. The osapiens HUB ensures all systems work in sync, enhancing continuity and operational transparency.



“We were looking for a stable platform that would simplify and optimize our workflows.”

**Alberto Erce**

Group Lead, Service Digitalization Department,  
Nordex Group

By using the osapiens software solution, Nordex is optimizing its service among their regions, benefiting stakeholders such as field operations. The software solution not only harmonizes order management workflows but also provides Nordex with the agility to respond quickly to challenges. With osapiens, Nordex has found a platform that enables transparent supply chain management, addresses potential component issues before they arise, and reduces turbine downtime.

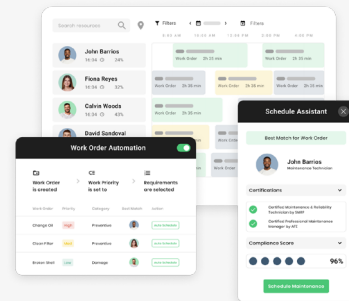
### The Future of Wind Energy

For Nordex, a stable, reliable solution like the osapiens HUB is essential for long-term success in the fast-evolving renewable energy sector.

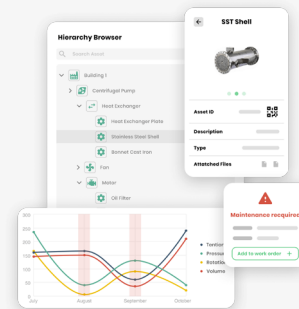
By leveraging this software strategically, Nordex is boosting operational efficiency while contributing to a more sustainable future, always with the broader goals of environmental protection and global climate action in focus.

#### Product Highlights:

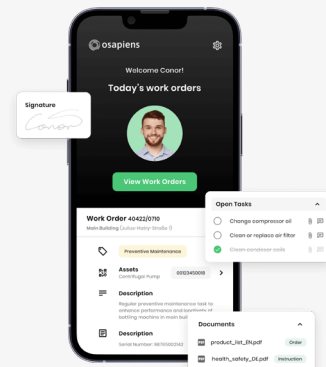
▶ **Asset Browser: Full asset control and visibility**



▶ **Planning & Scheduling Cockpit: Using resources efficiently**



▶ **Mobile Application: Share knowledge with technicians**





osapiens supports global companies from various industries in establishing sustainability within their organizations and positioning themselves for the future. To achieve this, osapiens develops holistic software-as-a-service solutions that create transparency and sustainable growth along the entire value chain, fulfill legal ESG requirements, and automate manual processes. osapiens aims to not only strengthen companies economically but also promote human rights and ecologically sustainable and responsible corporate governance as the global standard.


The company utilises its cloud-based technology platform, the 'osapiens HUB', and innovative technologies such as artificial intelligence to support companies in seamlessly implementing and automating compliance with international and national ESG laws and guidelines, including CSRD, EUDR, and CSDDD. The osapiens HUB facilitates responsible sustainability reporting. It is constantly evolving and expanding to incorporate new solutions for changing ESG regulations, as well as solutions for improved transparency and efficiency.

osapiens was founded in Germany in 2018 and currently serves over 1,300 customers worldwide. The company is headquartered in Mannheim and has offices in Berlin, Cologne, Munich, Madrid, Paris, Amsterdam, London, and Maine (USA). osapiens employs over 300 people from 45 countries. In 2022, osapiens was honoured with the German Founder Award in the 'Rising Star' category.

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## The ESG platform to make an impact



**1300 +** Customers  
**65 +** Countries  
**300 +** Employees  
**45 +** Nationalities