



Case Study

Advanced energy management for high-performance computing at Borealis data center

SnerpaPower provides Borealis data center with an advanced automation platform for forecasting, scheduling, and energy management, enabling more efficient coordination across power procurement, operational planning, and energy market participation.

Streamlined forecasting and energy operations

By implementing SnerpaPower's automation platform, Borealis automated forecasting, scheduling, and reporting activities while improving responsiveness and operational coordination across daily energy operations.

Borealis Data Center

Borealis operates state-of-the-art data centers in Iceland, delivering high-performance computing (HPC) services powered by 100% renewable energy. The company supports global customers across AI, research, and advanced analytics, with a strong focus on sustainability, energy efficiency, and operational uptime.

As energy operations became increasingly complex through multiple PPAs and active market participation, Borealis sought a more automated and scalable approach to operational planning and energy management.

Borealis implemented SnerpaPower's automation platform to streamline forecasting, scheduling, and reporting activities across daily energy operations. The platform enables continuously updated forecasting and centralized operational coordination, supporting more responsive and data-driven decision-making.

Tasks that previously required significant manual effort are now automated through a single platform, improving operational efficiency, planning accuracy, and responsiveness across energy-related operations.

“SnerpaPower gives us the insights and automation we need to stay ahead in a fast-evolving energy market. It's a strategic tool for both efficiency and resilience in our operations.”



Johan Olander
Country Manager Iceland

Forecasting & Operational Coordination

Within the Borealis operation, forecasting, power procurement, and operational planning are closely connected to day-to-day energy management activities. Increasing operational complexity and active participation in energy markets created a growing need for more efficient coordination and automation across operational workflows.

SnerpaPower's platform enables automated forecasting, scheduling, and reporting through continuously updated operational and energy-related data. Operational planning and energy management activities are centralized within a single system, enabling more responsive coordination and improved visibility into daily operations.

By automating key workflows and reducing manual handling, Borealis established a more scalable and efficient operational framework for managing energy-intensive data center operations.

Impact

The implementation of SnerpaPower enabled Borealis to automate key operational and energy management workflows while reducing manual administration across forecasting, scheduling, and reporting activities.

Automated forecasting models and continuously updated operational data improved responsiveness across day-to-day energy operations and supported more accurate operational planning and energy management.

By centralizing operational planning, power procurement, and market participation activities within a single platform, Borealis strengthened coordination across energy-related operations and established a more scalable approach to managing increasingly dynamic energy operations.

Intelligent Energy Solutions

SnerpaPower delivers advanced software solutions for energy-intensive industries, enabling real-time optimization, automation, and market integration.

By combining deep domain expertise in energy systems with scalable cloud-based technology, SnerpaPower supports industrial players in transitioning toward more flexible, efficient, and sustainable operations.



Intelligent Energy Solutions



Scheduling



Bid Generator



Risk Management



Reporting



Sustainability

SnerpaPower is a leading technology provider on a mission to transform the energy landscape through innovation and an unwavering commitment to sustainability. The company provides power intensive users such as data center operators, aluminum smelters and hydrogen producers with a deep-tech software platform to minimize their electricity costs and maximize their contribution to a net-zero energy system. SnerpaPower is committed to enhancing the competitiveness of green industries and the use of renewable resources.

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