



EnOS™ Storage

The industry-leading
solution for monitoring
and control of battery
storage and energy assets

We understand your energy challenges

Managing distributed energy storage solutions is more complex than ever. Multiple systems across various locations, real-time monitoring demands, and complex compliance requirements create significant operational challenges.

Many organisations struggle with:

→ **Performance optimisation challenges**

Maximising uptime, energy output, and system lifespan requires sophisticated solutions that many lack.

→ **Limited visibility and control**

Monitoring and controlling diverse energy storage assets in real-time becomes increasingly difficult at scale.

→ **Fragmented system management**

Managing energy storage across dozens — or hundreds — of distributed sites introduces major coordination challenges, especially when paired with growing security demands.

→ **Compliance and data complexity**

Meeting grid compliance standards while managing large volumes of real-time data consumes valuable time and bandwidth.

→ **Security concerns**

As energy systems digitise, customers require robust protection for remote and centralised infrastructure.

EnOS™ Storage is built to drive change



Hardware-agnostic and comprehensive solution

EnOS™ Storage works with any battery brand and provides end-to-end management across the entire energy storage lifecycle.



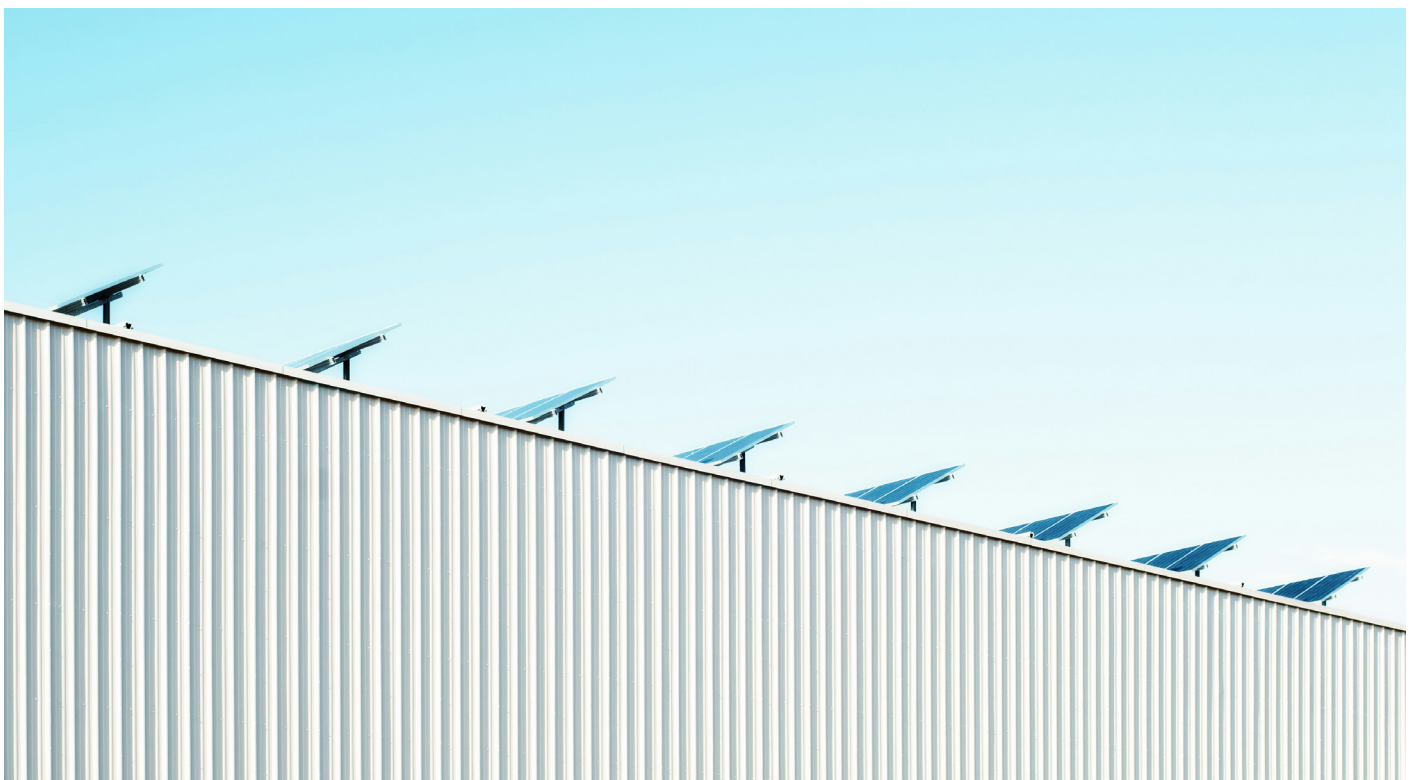
Centralised control and granular monitoring

With detailed data from BMS, BESS controllers, EMS, and SCADA, EnOS™ Storage offers control at all levels: from devices to sites to the entire portfolio.



Integrated Edge computing and SCADA

EnOS™ Storage combines edge computing (EnOS™ Edge) and SCADA for real-time monitoring and control.



Capabilities at a glance

EnOS™ Storage provides seamless, scalable, and integrated cloud-based solutions for managing battery energy storage systems, enabling your organisation to optimise operations, enhance safety, and maximise ROI.



Enhanced reliability

It ensures the safety and reliability of your energy storage systems.



Improved ROI

EnOS™ Storage maximises energy output and system lifespan.



Increased efficiency

EnOS™ Storage streamlines operations and reduces downtime leading to optimisation of operational workflows and resource allocation.



Scalability and flexibility

EnOS™ Storage adapts to changing needs and growth.



Centralised control and visibility

Provides real-time data and control over energy storage assets.



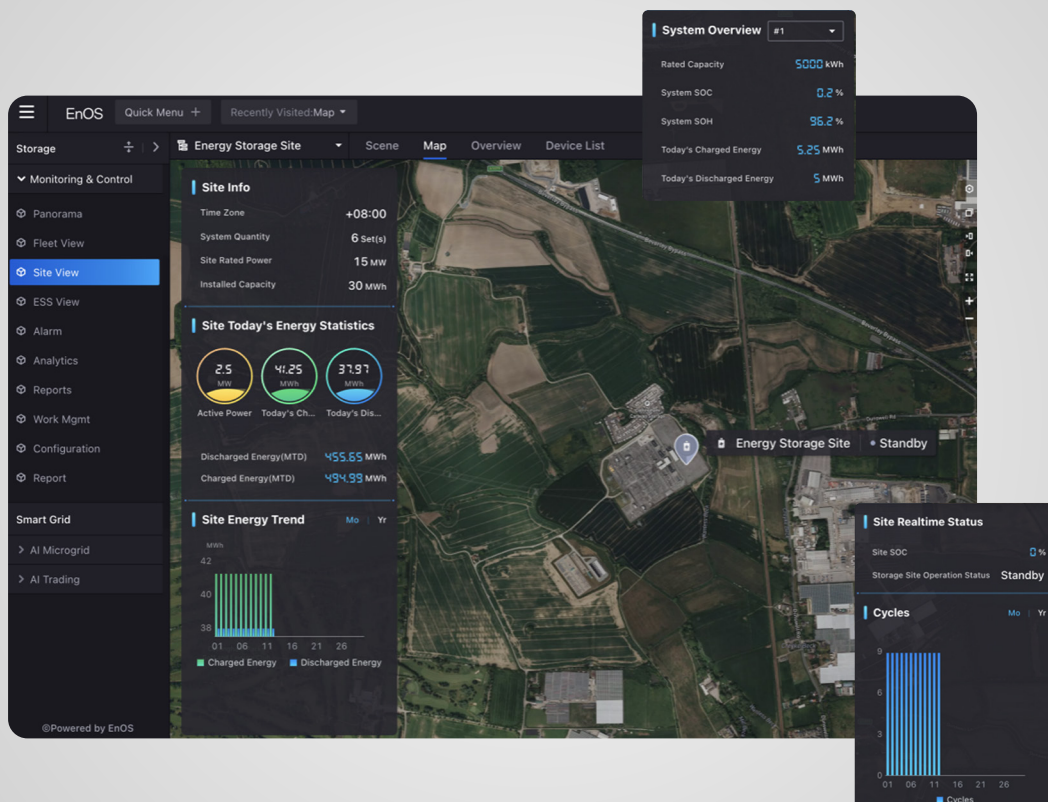
Built-in cybersecurity

Includes ISO-compliant security protocols for critical infrastructure protection.

How EnOS™ Storage works

EnOS™ Storage integrates seamlessly across devices, sites, and portfolios — offering real-time visibility, robust safety, and scalable performance. It integrates seamlessly across devices, sites and portfolios to enhance safety and operational efficiency.

EnOS™ Storage provides easy-to-use battery management that grows with your business, improving operations, safety, and creating new opportunities.



How EnOS™ Storage differentiates itself

EnOS™ Storage is a hardware-agnostic, software-defined solution that seamlessly integrates across equipment from any vendor, providing comprehensive monitoring and control of battery storage and microgrids, at device, site, and portfolio levels.

Comprehensive visibility, scalable control

EnOS™ Storage provides centralised, real-time control of battery assets across multiple vendors and sites — from the device to the portfolio level. It's built to scale, offering the flexibility to add microgrid support or market integration as your operations evolve.



Optimised performance and asset longevity

AI-powered analytics reduce troubleshooting time, prevent failures before they occur, and extend battery lifespan.



Battery safety and energy trading readiness

Improve BESS (Battery Energy Storage System) safety through predictive diagnostics, while also enabling participation in ancillary markets to unlock new revenue.



Proven solutions that drive real results

● Singapore

Singapore's first 100MW independent energy storage project

The project facilitates Singapore's transition to clean energy alternatives, helping to lower carbon emissions and advance the objectives outlined in the 'Singapore Green Plan 2030'.

The infrastructure incorporates design elements that satisfy the most rigorous EI120 standards for fire protection and thermal insulation. The system features capability for dynamic battery replacement throughout its decade-long operational lifespan, ensuring the client benefits from a secure and efficient liquid-cooled Battery Energy Storage System (BESS) for the entire duration of the project.

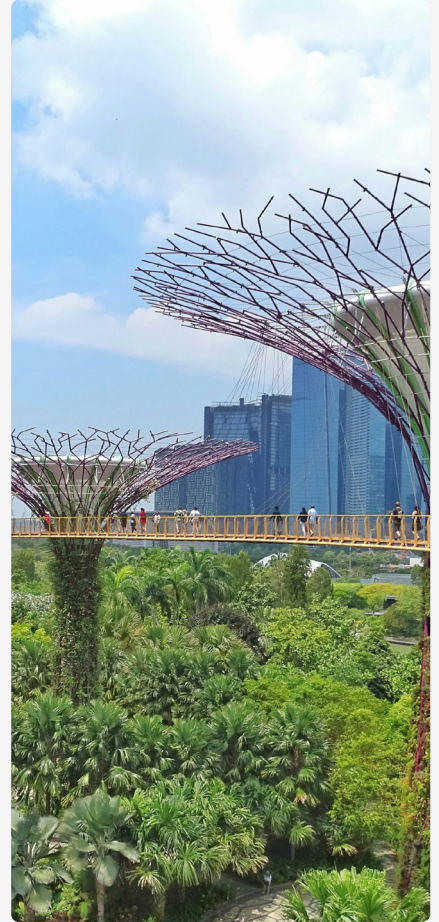
Outcomes:



Supports Singapore's acceleration of clean energy alternatives



Helps achieve the vision of the 'Singapore Green Plan 2030'



● Europe

Utility-Scale Energy Storage

A 49.5 MW / 99 MWh battery energy storage site was deployed to support grid stability and maximise renewable integration.

The client required a fully vendor-agnostic system that could integrate across multiple BESS and inverter suppliers.

Outcomes:



Full-site monitoring and BESS control via EnOS™ Storage



Improved revenue performance from faster response times and participation in grid services



Centralised diagnostics across multiple European installations



● Inner Mongolia

Global pioneered 100-billion-scale net zero industrial park

This 10 MW/20 MWh energy storage site powers the industrial park entirely on green energy, integrating BESS with wind and solar generation.

Through the EnOS™ AI and IoT operating system, energy production and consumption are seamlessly coordinated to establish a reliable and secure next-generation power infrastructure. The EnOS™ AIoT operating system provides centralised management that effectively links green energy generation with consumption patterns, resulting in a resilient, intelligent power system that dynamically balances generation and consumption.

Outcomes:

100%

renewable energy –
operates entirely on
green power



Enables effective coordination
between green energy generation
and consumption patterns





Manage your battery storage systems easily with EnOS™ Storage's all-in-one control and optimisation platform.

Univers is the global leader in **AI and IoT for Energy**. Our EnOS™ platform empowers enterprises across industries to solve complex energy challenges with intelligent, data-driven insights.

With over 365 million devices connected, more than 845GW of renewables managed, and a global network of 1,200+ customers, we are the only global technology partner offering a truly comprehensive, end-to-end energy management solution, supporting enterprises at every stage of their energy transition journey.

Get started today



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