LG Energy Solution Vertech

# The Fully Integrated AEROS™ Software Suite

## Boost site performance and maximize ROI

We support our integrated energy storage solution with powerful software that helps you get the most from your system. AEROS™ Onsite combines with the remote AEROS™ Cloud powered by our decision-making platform, AEROS™ Intelligence, to effectively run your fleet.




## Onsite and cloud software for comprehensive energy management

The **AEROS™ software suite** offers controls, analytics, monitoring, and bidding for optimized site functionality of energy storage and hybrid power plants.

The suite is comprised of **AEROS™ Onsite** and **AEROS™ Cloud,** powered by **AEROS™ Intelligence.**

### AEROS™ Onsite

Energy Management System and Power Plant Controller hosted on site for secure control of assets

### AEROS™ Cloud

Near real-time visibility into BESS performance

### AEROS™ Intelligence

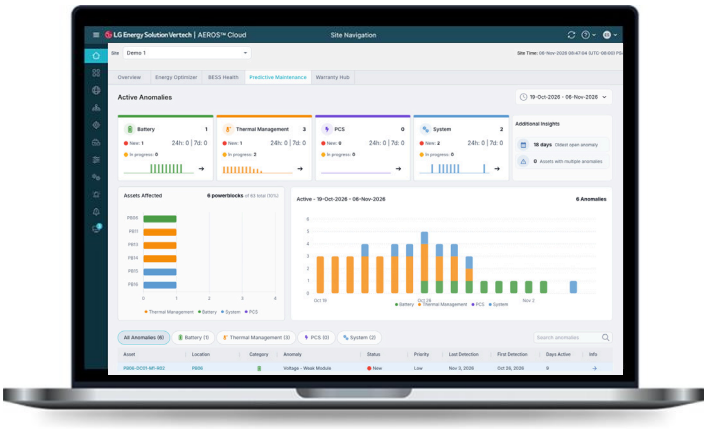
Turning raw data into actionable insights

### The AEROS™ Suite leverages proprietary battery data and enables seamless site control.

- **Field-Proven Energy Management**
  Robust energy management and site controls proven across **100+ sites and 17+ years of operation.**
- **Fleet-Wide Visibility & Intelligence**
  Real-time BESS performance visibility with long-term cloud data storage and advanced analytics.
- **Optimized Performance & Market Operations**
  Proprietary battery insights and configurable controls help optimize asset performance and support regional market requirements.
- **Data to Action & Revenue**
  Transform BESS data into **actionable insights and revenue opportunities,** with API-enabled access for seamless enterprise integration.

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Predictive Analytics Dashboard

# AEROS™ Onsite

AEROS™ Onsite is our suite of on-premise systems that offer advanced Energy Management System and Power Plant Controller solutions, facilitating the operation of power plants and site-level operations. It features autonomous control functions to optimize systems and enhance performance in emerging markets.

# AEROS™ Cloud

AEROS™ Cloud provides a cloud-based SaaS solution designed to enhance monitoring and maintenance capabilities. Optimize the performance of your energy storage systems while ensuring the highest standards of security, safety, and reliability.

# AEROS™ Intelligence

The platform transforms energy storage data into actionable insights, helping asset owners, operators, and energy market participants improve performance, increase availability, and maximize long-term returns from their energy storage investments.

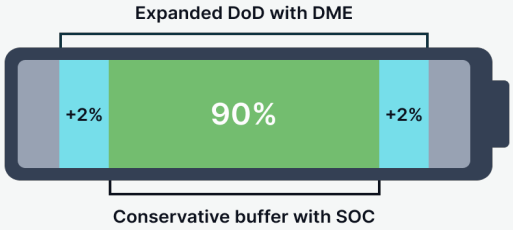
**BESS HEALTH**
Gain early actionable insights into battery degradation, site health, and rack-level utilization.

**PREDICTIVE MAINTENACE**
Identify and address risks early to prevent outages and reduce downtime.

**ENERGY OPTIMIZER**
Turn battery insight into smarter dispatch and higher revenue through intelligence that balances asset life.

**WARRANTY HUB**
Monitor critical KPIs, track warranties and identify contract breaches.

## CAPABILITY HIGHLIGHTS




### Dynamic Marketable Energy

Industry-wide, site state of charge (SOC) estimates are commonly cited as being off by 15–20%, forcing conservative buffers that limit depth of discharge (DoD). Dynamic Marketable Energy (DME) uses machine learning to show how much energy your system can really dispatch, so you can narrow those buffers with confidence.

### Imbalance Analytics

Imbalance Analytics shows you where imbalances are trapping usable capacity across your site, with heat maps and trend views that make problem areas easy to spot. You don't need to run a full charge/discharge cycle: it shows how much enrgy you could recover and how long balancing would take, so your team can restore capacity with as little disruption to site performance as possible.

### Flexible Energy Assurance

Flexible Energy Assurance turns a fixed, one-size-fits-all warranty into capacity assurance that adapts to your usage so you can protect contracted delivery and still chase the upside.

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