

Complementary to that there are different levels – so called “packages” - of our service products. We basically distinguish between three levels:

Basic

The Basic package provides the foundations for sound, technically sound operational management of BESS assets. It focuses on safety and compliant operation.

Premium

The Premium package offers significantly more in-depth technical support with comprehensive battery and system expertise throughout the entire life cycle. It combines in-depth BESS expertise with digital tools to continuously and proactively optimize safety, performance and plant health. The Premium package is our bestseller.

Premium Plus

Premium Plus represents the most comprehensive form of operational management, combining the highest level of technical expertise with economic and strategic support. It is aimed at operators who expect maximum control, minimal risk and complete peace of mind for their BESS.



WHO?

Who we are

BayWa r.e. Data Services GmbH develops and delivers technological solutions that shape the future of renewable energies. With more than ten years of experience, we combine operational expertise with state-of-the-art analytics to improve reliability, efficiency and service – whether in global control rooms or in data-driven asset management. Our approach is holistic, practical and focused on proven performance.

Behind our success is a team of around 60 experts. We are proud of our young, dynamic and diverse corporate culture, which brings together different perspectives. This diversity enables us to meet the demands of the energy market with innovative ideas and passion.

FL-211-01



Big Data for energy transition:

Let's talk about BESS Asset Operations, we are looking forward to hearing from you!

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BESS Asset Operations

WHY?

Why we do what we do

Battery energy storage systems (BESS) are nothing less than the backbone of our renewable energy system. With the massive expansion of wind and solar energy, demand and requirements for flexibility, grid stability and availability are increasing. BESS play a central role in this and are one of the great hopes of our industry. However, this relatively new technology is full of surprises and is a science in itself. Battery storage systems are highly complex chemical power plants whose economic success depends largely on reliable operational management.

The global BESS market faces major challenges:

- Explosive growth coupled with a lack of operational and battery expertise.
- Highly complex battery production processes coupled with immense cost pressure in the industrialisation phase lead to massive differences in quality.
- A lack of standards, fragmented data and unreliable service concepts from manufacturers jeopardise operations and thus the business case for BESS.

HOW?

How we do what we do

In summary: battery expertise meets digital excellence. Our approach combines in-depth understanding of battery technology with modern, digital operational management methods. The entire value chain of operations – centrally controlled and scalable across Europe.



Genuine Battery Expertise

We understand BESS from the individual cell to the overall system, including cell chemistry, degradation, operating windows, and system-level safety.



Digital Tools instead of Gut Feeling

In-House developed digital solutions for monitoring and analysis provide real-time transparency regarding performance, safety, and State of Health (SoH) over the entire life cycle.



Everything from a Single Source

From financial reporting and KPI-based monthly analysis to warranty management and on-site maintenance by our own technicians—we provide true „peace of mind.“



Over 10 Years of Experience in Renewables

Proven operational processes for complex energy plants combined with a specialized, technical focus on BESS.

WHAT?

What we actually do

Every BESS asset is unique, and the understanding of comprehensive operational management can also vary. To offer our customers maximum flexibility, our service products are modular in design – like building bricks. This means they can be combined to create an individual service concept tailored to your needs.

Our service products:

- Technical Asset Management
- Commercial Asset Management
- 24/7/365 Remote Monitoring & Control Centre
- Operational Technology & Cyber Security (KRITIS & NIS2)
- Data Management
- Advanced BESS Analytics
- Onsite Maintenance Services

