

Kiwa PI Berlin

De-Risking Battery Energy Storage System Deployment



**Quality in
the field
starts in
the factory**

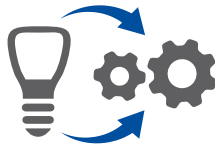


kiwa

creating trust *driving progress*



Worldwide



Independent



Reliable

Battery Energy Storage Systems (BESS) are powering a new era of renewable energy, making grids cleaner, smarter, and more resilient. But with innovation comes complexity — and that's where we step in.

At Kiwa PI Berlin, we combine technical expertise with global field experience to ensure your BESS projects are not just functional but future-proof. From auditing battery cell factories to overseeing system integration on-site, we support every step of the journey with precision and purpose.

Acknowledged Expertise

Our team of engineers, auditors, and technical advisors combine global insight with hands on experience.

With decades of industry knowledge, we support projects from design and procurement through to installation and commissioning. We ensure each system meets the highest performance standards.

About Us

Kiwa PI Berlin is a trusted partner in the renewable energy sector, specializing in independent quality assurance and technical advisory for BESS. We work closely with developers and investors to minimize risk and enhance energy storage reliability, from battery cell audits to system-level inspections and field supervision.

Success Story

As owner's engineer for one of Germany's largest BESS installations, we have provided end-to-end services managing the complex interfaces between the BESS supplier and the BOP contractor. We leveraged our technical experience and local relationships to reduce delays, comply with regulations and ensure a safe and successful grid integration.

What we can *do* for you

Quality Assurance

From raw materials to finished systems, we ensure every battery component meets the right standards for safety, reliability, and traceability.

With each project, insights are gathered, processes are fine-tuned, and benchmarks are raised. This continuous learning cycle fuels innovation and ensures our services stay aligned with industry needs.

Field Services

Expert support throughout the project life cycle, ensuring proper execution during design, construction, and final inspections of BESS installations.

Emerging technologies and shifting markets are not challenges, they are part of the landscape we thrive in. Our methods evolve constantly, ensuring every project benefits from the latest innovations and delivers the best possible results.



Technical Due Diligence

Evaluation of technical and commercial risks of development, construction and operational projects in the M&A process to validate project-readiness or power plant quality and performance.



Procurement Assistance

Creation of minimum functional specifications, definition of FAT pass/fail criteria, tender management and evaluation, and negotiation of contractual and warranty provisions.



Factory Quality Assurance

Pre-production factory audit of battery cells and BESS integration as well as witness of FAT to ensure safety and performance compliance.



Owner's Engineering

EPC contract management, design review of complete BESS plant, construction progress monitoring, milestone approval and site inspections.



Site Acceptance Testing and PAC Handover

Witness of RTE, capacity and ramp rate tests while conducting in-depth cell data analysis during commissioning to validate performance. On-site presence during grid compliance tests and provisional acceptance inspection of entire plant.



BESS Training

Customised training sessions to enhance understanding of BESS technology, project applications, technical risks and industry best practices.



ESG and Supply Chain Traceability

Assessment of product compliance with EU Battery Regulation, ESG audits, supply chain due diligence and traceability of key materials.



creating trust *driving progress*

We ensure your BESS projects are built to last, from factory audits and supply chain traceability to construction oversight and final performance checks. With a proven global track record, we help you reduce risk, maximize efficiency, and stay ahead in the energy transition. Let's shape a smarter, more reliable battery future together!

kiwa

Kiwa PI Berlin GmbH
Wrangelstraße 100
10997 Berlin
Germany

Tel.: +49 (0) 30 814 52 64-0
E-Mail: de.info.pi-berlin@kiwa.com

kiwa.com

