

Providing Solutions for BESS Project Development

We are a consultancy company dedicated to advancing the energy transition, with a strong focus on Battery Energy Storage Systems (BESS). Combining decades of industrial experience with deep technological expertise and up-to-date market knowledge, we support the procurement, development and operation of large-scale BESS projects. Across all project phases, our innovative approach balances cost efficiency, system reliability, and transparency, enabling the seamless integration of BESS into the electricity grid.

Our Service Scope



BESS Project Development

BESS projects across every phase of development – from grid connection to decommissioning. Combining hands-on **project development** experience with **deep technical expertise** and a strong customer focus, we support and enable our partners to deliver bankable, high-performance projects through an extensive network and proven references.



Our Service Activities (Excerpt)

Grid Connection & Studies: End-to-end support for grid connection requests, simulations, and technical preparation for existing and greenfield sites.

Plant & System Design: Planning and dimensioning of HV/MV systems including transformers, switchgear, BESS, SLDs, and component evaluations.

Partner Selection (EPC, BESS, O&M): Identification of the right project partners to enable a fast and reliable Commercial Operation Date (COD).

Contract & Negotiation Support: Expert guidance to secure optimal performance guarantees and limited warranty conditions.

Construction Phase Support: Technical and project support throughout the construction phase.

Providing Solutions for BESS Project Development

Our References

Owner's Engineer

Supported a 150 MW large-scale BESS project in Germany by drafting and reviewing EPC contracts, covering BESS and HV substation, transformers, cabling, and permitting to ensure technically, legally, and commercially robust agreements.

Market & Strategy Advisory

Advised a global BESS manufacturer on EU market entry by a comprehensive EMS market analysis and strategic positioning for C&I and utility-scale storage in the DACH region.

Performance Guarantee Analysis

Developed and validated performance guarantees with Asian OEMs for BESS projects, including the definition of measurement points, verification and challenge of technical parameters, and the drafting of performance guarantee clauses on cell and system level.

Plant Layout and Simulation

Dimensioned independent MV/HV components based on the plant design, developed Single Line Diagrams (SLDs) and analyzed grid studies for technical compliance and optimized performance.

Project Development

Planned a 400 MW energy project, covering all regulatory requirements and technically relevant aspects, including close coordination with TSO/DSO and active investor relations support.

Technical Advisory

Provided technical advisory for a >1 GW project portfolio, supporting negotiations and rigorously challenging technical specifications across all system components to ensure bankable and resilient project structures.

Our Contacts / Experts



Martin Davidsen
Energy Projects Expert

+49 15157139409

Martin.Davidsen@p3-group.com

Note: Our services go beyond those presented here. Talk to us to discover how we can support you in other areas!