

# Advanced, value-added optimization strategies for BESS projects

We ensure the success of standalone & hybrid BESS projects covering every aspect of design, manufacturing & project management:

- / Technical Due Diligence for financing and M&A
- / Owner's Engineering & construction management
- / QAQC and supply chain management
- / On-site testing & performance verification



# / A comprehensive service portfolio for standalone & hybrid BESS projects

Our activities are fully independent from manufacturers, enabling us to provide un-biased, client-focused support for battery energy storage system design, procurement & execution.

	PLANNING & DEVELOPMENT	PRE-CONSTRUCTION	CONSTRUCTION & COMMISSIONING	OPERATION
Objective	<ul style="list-style-type: none"> <li>• Ensure project feasibility &amp; design optimisation</li> <li>• Ensure reliable, bankable &amp; compliant BESS solutions</li> <li>• Streamline project development</li> <li>• Mitigate risks in M&amp;A processes</li> </ul>	<ul style="list-style-type: none"> <li>• Review design drawings to ensure compliance with NFPA 855 &amp; all applicable codes</li> <li>• Ensure BESS equipment meets owner's requirements</li> <li>• Support from project financing to construction</li> </ul>	<ul style="list-style-type: none"> <li>• Verify compliance with owner's requirements</li> <li>• Reduce risk of warranty claims or counterclaims on BESS equipment</li> <li>• Provide flexible on-site &amp; back-office support to meet critical milestones</li> </ul>	<ul style="list-style-type: none"> <li>• Provide suggestions on improving performance of a BESS site &amp; ensuring compliance with owner's agreements and expectations</li> <li>• Investigate potential warranty claims</li> </ul>
Most frequent scope	<ul style="list-style-type: none"> <li>• Technical/economic feasibility analysis with Simubatt+ Enertis tool</li> <li>• Conceptual and basic engineering design for project development</li> <li>• PV+BESS modeling for various ISO markets &amp; use cases</li> <li>• Site adequacy &amp; capacity verification</li> <li>• Initial site layouts creation</li> <li>• Interconnection application support</li> <li>• M&amp;A technical due diligence</li> <li>• Technical advisory during negotiations with equipment suppliers</li> <li>• Bankability reports for equipment suppliers</li> <li>• Supply chain traceability</li> <li>• Vendor's qualification</li> </ul>	<ul style="list-style-type: none"> <li>• Conceptual engineering</li> <li>• Independent engineering reports for financing</li> <li>• Basic &amp; detailed engineering</li> <li>• BESS Capacity &amp; Performance Test protocol</li> <li>• Quality management plan</li> <li>• Owner's Engineering</li> <li>• Additional BESS modeling to compare results from development stage</li> <li>• Manufacturing oversight</li> <li>• Pre-shipment inspections</li> <li>• Factory Acceptance Test (FAT) witnessing</li> </ul>	<ul style="list-style-type: none"> <li>• Construction monitoring, technical submittal, RFI &amp; change order</li> <li>• Review, tracking &amp; approval</li> <li>• Contractual milestones verification</li> <li>• Inspections of BESS containers upon on-site arrival</li> <li>• Onsite BESS FAT validation</li> <li>• Review and management of commissioning and documentation between EPC, equipment suppliers &amp; owner</li> <li>• Capacity testing &amp; round-trip efficiency test validation</li> <li>• On-site troubleshooting with equipment supplier, EPC &amp; owner</li> <li>• Commissioning services</li> </ul>	<ul style="list-style-type: none"> <li>• Technical analysis &amp; troubleshooting for equipment performance trends relative to equipment agreements or Long-Term Service Agreements</li> <li>• Periodic performance review &amp; evaluation of augmentation strategy</li> </ul>

Having worked on over **8,000 renewable & BESS projects** around the world, we combine extensive global expertise in the industry with deep technical knowledge to identify the most appropriate solution for our clients' needs.

**+150 GWh**   
BESS Projects

**+25**   
Countries

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