



ESS Bankability, Insurability & Due Diligence

Energy storage systems (ESS) are a key enabler for the transition to renewable energies. Battery manufacturers, power plant operators, utility companies, finance and insurance institutes require independent technical expertise for quality assurance of the BESS to understand and minimize technical and operational risks, maximize reliability and guarantee a return-on-investment.

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With more than 1 GWh of various utility-scale renewable energy projects world-wide reviewed to date, as well as having worked with leading financial institutions to help them understand and address the unique and specific areas of technical risk that may be presented with ESS technology (particularly in the areas of safety and reliability), the VDE Renewables team is ideally positioned to assist you in your projects.

The VDE is utilizing a three-pillar approach for bankability and insurability:

The first pillar is project technical due diligence – we review the project documentation in detail, starting from agreements, permits and contracts, to site & technology review, to yield and output calculations all the way a financial review.

The second pillar is review and oversight of the system commissioning, on-site inspections of systems and factories, all based on our own in-house quality criteria catalogues, developed together by our technical experts with our partners in the financial and insurance industry.

The third pillar is component testing and certification (where required), based on international standards and our own expanded safety and performance criteria.

Why work with us?

- Globally recognized team with extensive technical competence across battery energy storage systems
- We provide third-party independent quality assurance by acting as owner's engineers or independent engineers
- Close links to the finance and insurance sectors allow us to directly support clients with bankability, investability and insurability matters
- On the pulse of dynamic market developments ensures that we can offer state-of-the-art solutions
- VDE Prime Labs in key regions: Germany, Singapore, China and the US

Please visit us online for more information



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