



Summary of experience in on-site commissioning of energy storage projects

Do I need commissioning after installing an ESS?

After the installation of an ESS, commissioning is required to ensure Commissioning successful integration. The Energy Storage Integration Council (ESIC) Energy Storage Commissioning Guide provides details of commissioning and site acceptance tests during the deployment and integration phase.

What is a commissioning plan?

Commissioning is a required process in the start-up of an energy storage system. This gives the owner assurance that the system performs as specified. A Commissioning Plan prepared and followed by the project team can enable a straightforward and timely process, ensuring safe and productive operation following handoff.

Do energy storage systems need a safety assessment?

Safety Assessment: As more energy storage systems have become operational, new safety features have been mandated through various codes and standards, professional organizations, and learned best practices. The design and commissioning teams need to stay current so that required safety assessments can be performed during commissioning.

How does a system commissioning process work?

Once all mechanical and electrical components are complete, system commissioning can begin, where all the electrical and mechanical equipment works together as a system for the first time. Auxiliary systems are brought online followed by major apparatus, and interfaces are verified for all equipment.

What is ESS commissioning?

Commissioning ensures that the ESS meets operational and performance specifications. Before the system is allowed to interconnect with the grid, tests and documentation may be required to ensure compliance with interconnection standards and the overall contracted specifications.

What is the Energy Storage Integration Council (ESIC) energy storage request for proposal Guide?

The EPRI report Energy Storage Integration Council (ESIC) Energy Storage Request for Proposal Guide can be used to support RFI development. Early in the project, it is important to communicate and evaluate requirements with a broad set of internal stakeholders.



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