



Mega-Solar Photovoltaic Power Plant Total Performance Commissioning Test Solution

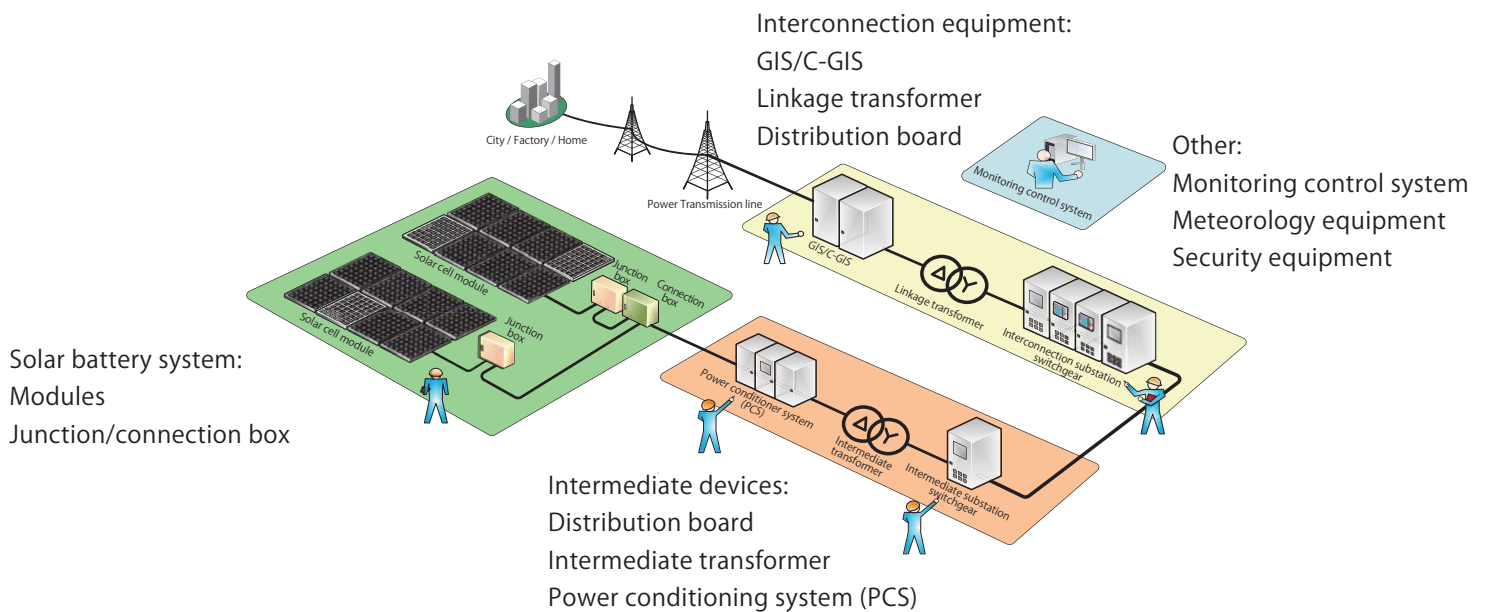
Verifying total system performance for customers

■ Need for total performance commissioning tests

Running a system comprised of devices from multiple vendors complicates the separation of responsibility, engineering, and schedule management. Our Total Performance Commissioning Test Expert allows us to verify the schedule and performance of an entire facility and thus provides a solution to this challenge.

■ Total performance commissioning tests

1. Pre-construction verification
Verifies the suitability of an entire system by examining the specifications for all devices from other vendors
2. Optimization of performance test
Evaluates the commissioning of an overall system and prepares a total performance test procedure and a test schedule
3. Commissioning schedule management and unit test management
Supervises unit tests of individual vendors and verifies test procedures and results
4. Total performance validation test
Determines whether the system satisfies performance requirements based on predetermined metrics (power generation performance, system soundness, safety, operability, and serviceability)
5. Pre-operational self-inspection support
Offers support for compiling the procedures and results of pre-operational self-inspection
6. On-site operational instructions
Handling and operation training for the entire system



■ Proven track record in total performance commissioning tests

Drawing on the expertise cultivated through in-house EPC projects, we have accumulated a track record in total performance tests for power plants with a capacity of a few megawatts to 100 MW. We also conduct performance commissioning testing on individual devices regardless of their vendors.