

CASE STUDY

Improving Quality Control for Solar Panels

PROJECT BACKGROUND

One EU client encountered significant quality problems with their suppliers, including inconsistent product performance, non-compliance with EU standards, and unreliable delivery times. These issues posed risks to their operations and threatened their commitment to sustainable energy solutions.

KEY PROJECT REQUIREMENTS

- Experience in Solar Panel Quality Control: Expertise in ensuring the quality and integrity of solar panels.
- 100% EL Testing: Electroluminescence (EL) testing is essential for detecting defects invisible to the naked eye.
- 4-5% I-V Measurement Test (Power): Accurate testing of the current-voltage (I-V) characteristics to verify power output.

SERVICES HQTS PROVIDED

HQTS provided personalised quality control services to meet each client's specific needs:

- Production Monitoring: HQTS supervises the production phase to guarantee compliance with quality standards and deadlines.
- Pre-shipment Inspection: Comprehensive inspections carried out prior to shipment to detect any defects or discrepancies.
- Loading Supervision: HQTS oversaw the loading procedure to prevent damage during transportation.

PROJECT ACHIVEMENTS

With HQTS's rigorous monitoring and inspection services, clients can reliably source high-quality solar panels from Chinese suppliers. This ensures adherence to EU standards, supporting the transition to renewable energy with enhanced reliability and efficiency.

