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Solar Quality Assurance and Quality Control (QA/QC)

Implementing a comprehensive quality assurance and quality control (QA/QC) program during the pre-manufacturing and manufacturing phases is essential to the long-term success of solar projects, as it ensures that their main components meet the required quality standards to ensure long-term performance

Applus+ through Enertis, its solar services and energy storage solutions specialist, offers solar power plant owners and operators a wide range of customized technical inspection and quality control services while remaining independent from any solar panel or major equipment manufacturers (structures, inverters, batteries, etc.).

THE Applus+ SOLUTION

Applus+ team of specialized quality analysts supports its clients by offering tailored solutions to ensure that the highest quality standards are met with the goal of achieving risk/cost reduction and production optimization in solar plants.

The company's quality control services include:

- **Quality assurance plan and quality control plan** to make sure that high-quality standards are met and that the right strategies to mitigate risks are implemented on solar farms
- **Technical advisory** during negotiations with PV, BESS, and other equipment suppliers whose purpose is to define contracting strategies in our client's interest.
- **Supply chain traceability**
- **PV module and other key solar components manufacturing supervision**, whose purpose is to review the manufacturing process and the production lines to detect any possible failures.

- **Quality control in the laboratory**
- **Pre-shipment verification,** to detect any possible quality failure prior to the shipping.
- **Supplier Due Diligence and factory audits**
- **Vendor Surveillance** Services

Enertis Applus+ is an independent entity, not linked to any solar panel or major equipment manufacturers (structures, inverters, batteries, etc.). The company also has its own quality control laboratories and certified inspection procedures (ENAC, CBTL /IECEE, ISO/ IEC 17025, and IEC 17020).

Target customers

Applus+ independent quality assurance and quality control PV services are provided to solar plant owners, developers, and EPC companies, and cover the pre-manufacturing phase, including the review of vendor's qualification; the supply agreement negotiation and contract definition stage; and the manufacturing period.

Key customer benefits

By relying on Applus+ QA/QC services, our clients make sure that the highest quality standards are met in the pre-manufacturing and manufacturing of the main components of solar projects.

Timely identification and correction of quality defects, as well as an adequate implementation of the quality control program, are vital to ensure the optimal long-term performance of solar plants, as well as the expected return on investment.

Applus+ QA/QC analysts are independent of any manufacturers and provide specialized advice tailored to their client's needs.