“OUR INDEPENDENT REPORTS INCREASE THE CONFIDENCE OF ALL STAKEHOLDERS OF A PV POWER PLANT.”

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QUALITY ASSURANCE FOR PV POWER PLANTS

COVER PAGE
On-site investigations with infrared imaging to detect module faults at a PV power plant.
ENSURE STRONG PROFITABILITY OF YOUR PV POWER PLANT

The professional quality assurance services of Fraunhofer ISE have been contributing to high performance and optimal yields of PV power plants for more than 30 years. Real world experience highlights the importance of system design, proper planning, engineering, component selection and construction work for successful PV systems. Thus, comprehensive quality assurance for PV power plants covers all phases of the completion process from the planning to system operation and maintenance.

Benefit from Quality Assurance
- Quality is the key factor for technical bankability. This implies state-of-the-art system design and standardization. Good quality assurance reduces technical risks of component or system failure and validates performance with a higher degree of certainty. It provides a clearer picture of the financial returns and creates real added value to the system.
- High-quality distinguishes component suppliers and system integrators in a competitive market.
- Technical bankability is an important criterion for the financing institution and makes the project an attractive investment. While bankability was often based on the individual components in the past, today the quality of the entire power plant is decisive.

Keep Track of Your Power Plant’s Performance
With an independent monitoring system, the PV plant performance can be evaluated and faults can be detected. The measurements recorded by the utility meter on the AC-side are not sufficient to analyze the power plant performance and cannot be used to detect yield losses. Therefore, the system must be equipped with an accurate and reliable monitoring system.
- Our experts are trained to interpret the data obtained and assist you in improving the performance of your plant. With our strong scientific background and long-term experience, we can find answers to complex questions.
- The cutting-edge measurement equipment and sophisticated laboratory infrastructure of Fraunhofer ISE lead to results with the highest precision.

Accelerate your Project with Reliable Reports
Compiled by Fraunhofer ISE
Often, banks and investors are the crucial timely link in the project planning chain. Independent confirmation of the quality and performance of both PV components and the complete plant increases the confidence of all stakeholders, including manufacturers, EPCs (engineering, procurement, construction companies), banks and investors alike.
- Our widely accepted results and reports save you both costs and time.
- As an independent non-profit institution, we provide objective and trustworthy analyses.

Be on the Safe Side with our One-Stop Service
Together with our long-standing partners, we offer integrated services as a one-stop shop for bankability, investability and insurability along with technical and financial due diligence and certification of PV power plants.
- We perform services worldwide with our network of strong partners.
- You can count on us. We are the largest solar research institute in Europe with a global, long-standing reputation.

The quality assurance of PV power plants by Fraunhofer ISE significantly supports large project developers in increasing the performance and asset value of their power plants. We provide quality assurance services for major PV projects around the world, ensuring you reliability and safety right from the start. We look forward to advising and supporting you with customized services tailored to your PV system.

4 We offer quality assurance services for every phase of a PV power plant, from the development to operation.