

# EKO Q

## What is EKO Q?

EKO Q is a unique online software service platform designed to validate pyranometer field measurement data, ensuring the reliability of your solar irradiance analysis. By automatically checking the consistency and integrity of measured Global Horizontal Irradiance (GHI) and Plane of Array (POA) data, EKO Q supports accurate performance assessments and decision-making. It identifies anomalies, sensor deviations, and site-related issues, offering clear diagnostics and actionable insights. Whether used for quality assurance in PV monitoring, compliance reporting, or operational efficiency, EKO Q helps you maintain confidence in your irradiance data and optimize system performance with traceable, standards-aligned validation.



EKO Q complements EKO's best irradiance sensors to ensure that you collect 100% reliable bankable measurement data.

## Can you trust your irradiance data?

High-quality irradiance data is essential throughout every stage of a solar project—from resource assessment to operation and performance audits. Trustworthy data depends on accurate measurements using Class A instruments, proper installation, ongoing maintenance, and validated data processing. Without this foundation, performance estimates, energy yield, and financial models can be compromised. Reliable solar data isn't a given—it's a result of technical excellence and rigorous quality control.

## How EKO Q works

EKO Q is a powerful online tool for anyone looking to validate irradiance data. Users can manually upload sensor data for thorough analysis. Using industry standards, satellite data, advanced modeling, and EKO's proprietary algorithms, EKO Q evaluates measurement data quality, detects anomalies, and estimates their impact on key performance indicators. The results are presented in a clear, actionable report—making expert-level analysis accessible to all, without requiring deep technical knowledge.



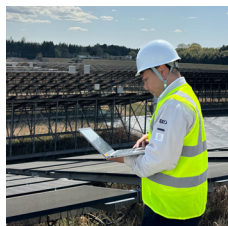
## EKO Q is for...



**PV developers**  
to base system design on trustworthy on-site data



**EPC and System Integrators**  
to guarantee perfect system installation and setup



**O&M Operators**  
to detect and fix problems early and optimize operational costs



**Data Analysts**  
to avoid wrong conclusions and deliver accurate estimates



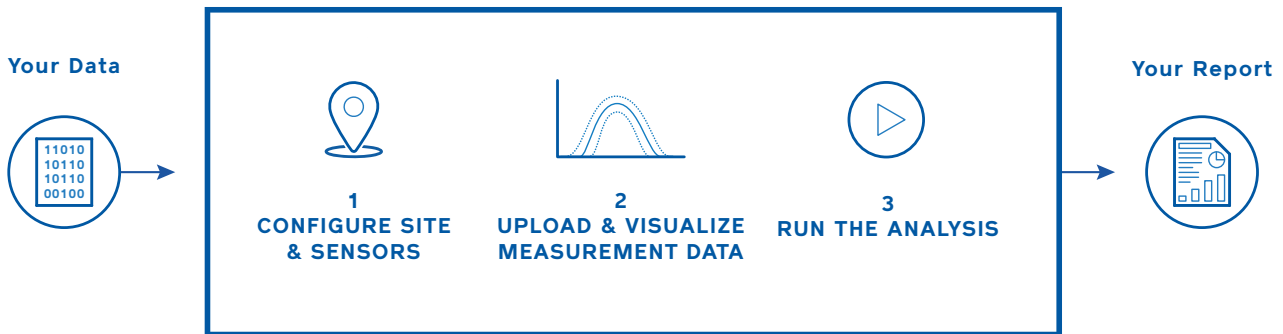
**Investors**  
to maximize return on investments and maximize asset value



**Researchers**  
and anyone who needs trustworthy irradiance data

## How to use EKO Q

The process is straightforward. Simply upload your irradiance data in standard CSV format. If the format requires clarification, the Data Import Wizard will guide you through the necessary steps to ensure accurate interpretation. Once configured, the fully automated analysis runs seamlessly, delivering a comprehensive professional report with detailed insights.

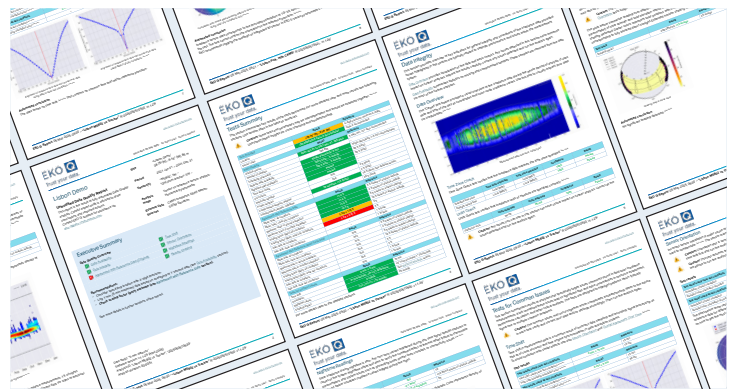


## What you get

The resulting report provides valuable insights on your irradiance sensors, measurement system setup and overall irradiance data quality and reliability, optimised for different needs:

- Executive summary for overall health assessment overview
- Pass/fail test results for quick actions
- Extensive details for deep dive and investigations

**EKO Q provides an independent assessment of data quality and powers your regular check up, benchmark or troubleshooting.**



## Key Features



## Need help? Contact us

If you have any questions or need further assistance, feel free to email us at [eko-q@eko-instruments.com](mailto:eko-q@eko-instruments.com).

For more details, visit the product page: [www.eko-instruments.com/eko-q](http://www.eko-instruments.com/eko-q)