



Smart monitoring



The background image is a composite of several elements. On the left, there is a large, blue, wireframe sphere with a network of white lines connecting various points, suggesting a global or interconnected system. In the center, there is a line graph with a white line showing an upward trend, set against a blue grid. On the right, there is a blurred financial data table with various columns and rows of numbers. The overall color scheme is dominated by blue and white, with a slight orange highlight on the 'Smart monitoring' text box.

## What you get

- > Comprehensive advanced analytics solutions to efficiently monitor solar assets
- > Descriptive, diagnostic, predictive and prescriptive tools in a single platform
- > Highly interactive historical data analysis
- > Performance trend investigation and prediction
- > Real-time underperformance alerts
- > Automatic alerts configuration
- > Customized reports
- > Events management and operator knowledge sharing
- > Predictive maintenance, power forecasting, sensor check and drone video processing plug-in
- > Plant performance improvement
- > Reduction of total cost of O&M activities
- > Return on investment increase

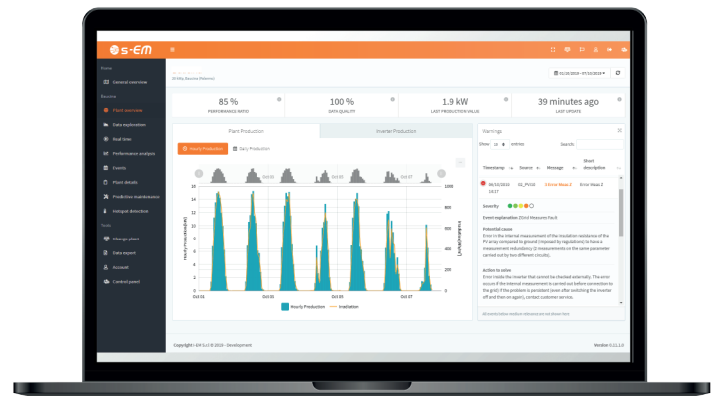


## Performance

The Smart monitoring system is the cloud-based platform which enables solar asset managers, solar asset owners and O&M contractors to use the whole value of PV plant data assets.

The entire platform has been developed following the philosophy of business intelligence combined with advanced analytics.

The success of this implementation is the use of techniques of historicizing, analysis and data presentation in order to support decision making.

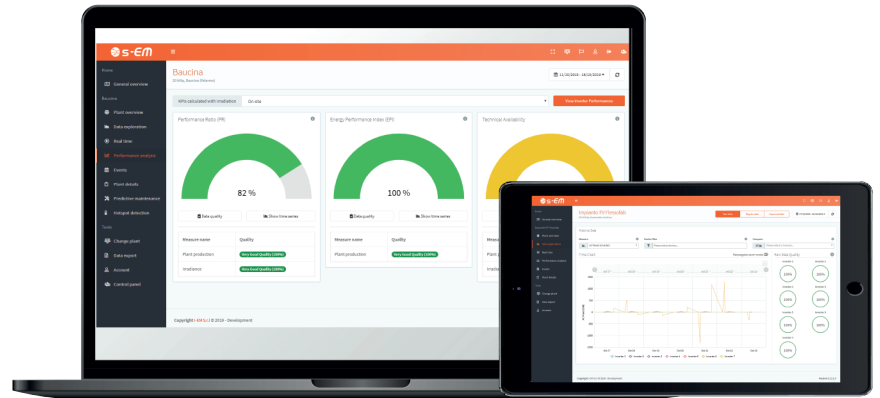


## > i-EM solar assets advanced analytics in a nutshell

### - Data quality

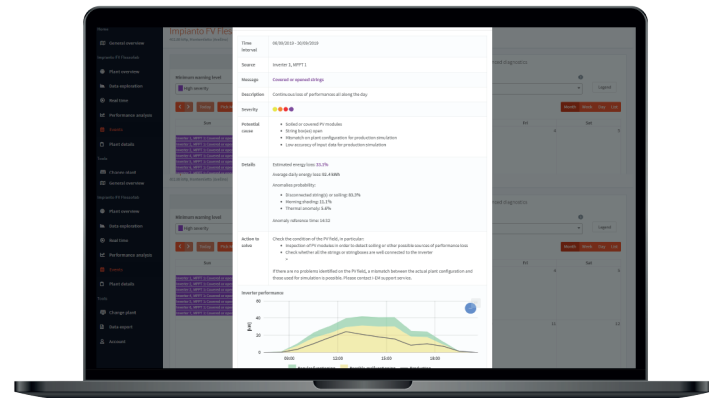
Data quality is essential to reach reliable data analysis results.

i-EM data quality assessment models allow solar asset managers/owners and operators both to get reliable and accurate KPI (PR, EPI) and to have descriptive analysis on available data.



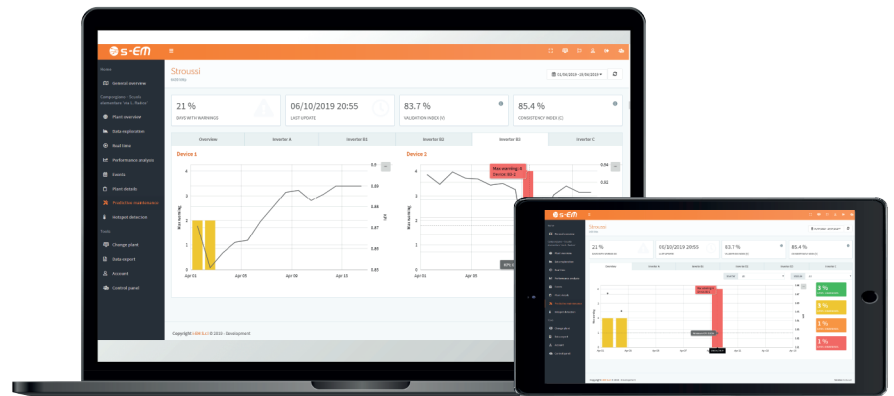
### - Advanced diagnostic

Artificial Intelligence based model to detect ongoing failures (shading, cover, thermal problem, faulty MPPT, down/underperforming string) and assess each loss production.



### - Predictive maintenance

Machine Learning models to automatically detect solar assets failure before they actually occur.



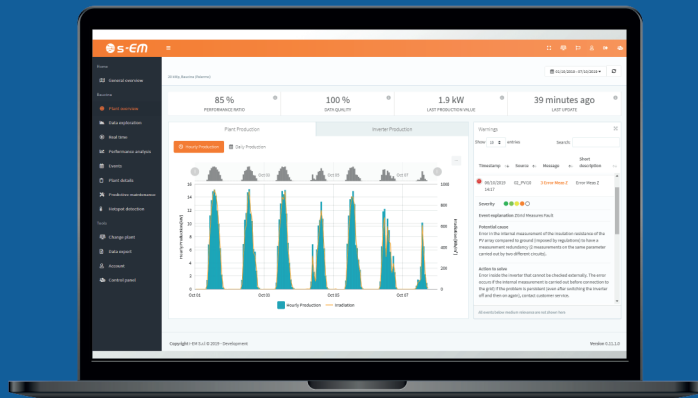
***Did you know that... ?***

Smart monitoring is the solution for solar asset managers, owners, O&M managers and field technicians.

**Owner**



**O&M manager**



**Field technician**



**Asset manager**



Save money, get more efficiency and reliability by using advanced analytics information.