advertendo®

ESAPRO

SOLAREYE: THE RESPONSE FROM UP ABOVE

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ESAPRO

SolarEye

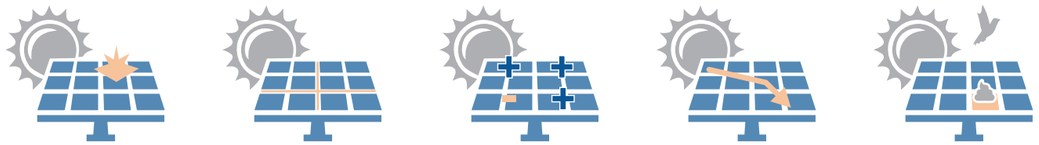
Detects any anomaly in the plant

WITH SOLAREYE, YOU HAVE ALL THE TOOLS TO MAKE THE RIGHT DECISIONS.

SolarEye is a latest generation fault detection system that provides all the information needed to precisely determine photovoltaic power plant state-of-health, and undertake any actions needed to maximise performance.

The system uses special software, developed entirely by Esapro, to automatically recognise the images taken by remotely piloted aircraft (RPA) and thus exactly identify any critical situations and automatically determine how serious these are, without needing to take additional action in the field.

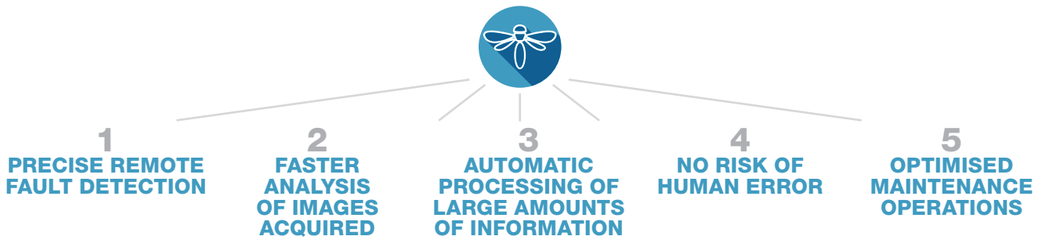
On each individual module, SolarEye detects any problems that may compromise power plant efficiency, such as hot spots, PID, unsoldered ribbons and faulty diodes.



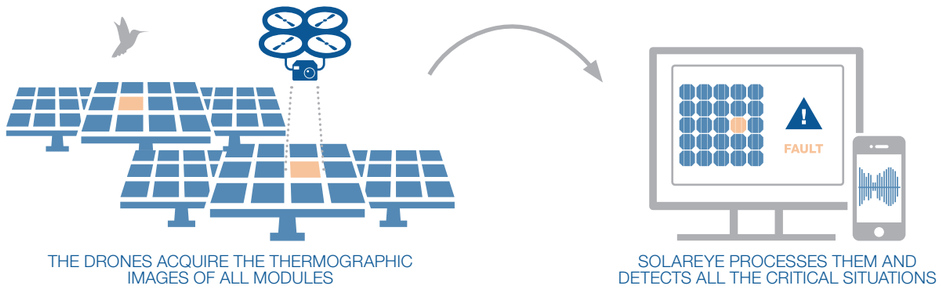
SOLAREYE PRODUCES PRECISE, SYSTEMATIC, OBJECTIVE AND INDEPENDENT ANALYSIS.

The response from up above...

The SolarEye software precisely identifies faults on individual modules by analysing thermographic images taken by remotely piloted aircraft (RPA) fitted with thermal imaging cameras, very high resolution cameras and GPS sensors for georeferencing the system.



Through analysis of the thermographic images and radiometric data, the SolarEye software identifies critical situations that may compromise power plant performance, determining how serious these are without needing to conduct additional examinations in the field.



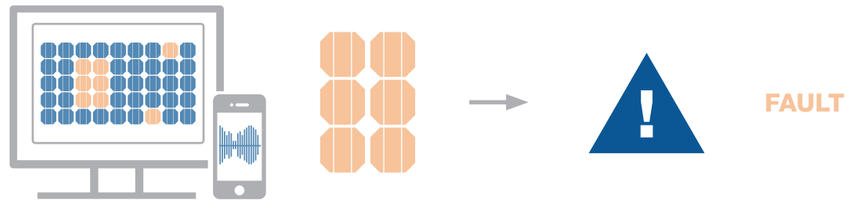
SOLAREYE ENSURES GREATER PRECISION AND LOWER ANALYSIS COSTS.

... all at a click

SolarEye features a web-based application that can be accessed from any desktop or mobile device. Users are provided an actual virtual map of the photovoltaic power plant, via which they can quickly access all the information needed to optimise and plan maintenance operations:

- **Thermographic and visible-light images**
- **Serial number, brand, model and gps position of each module**
- **Problems identified on each individual module**
- **Report on trends in faults**
- **Summary report**

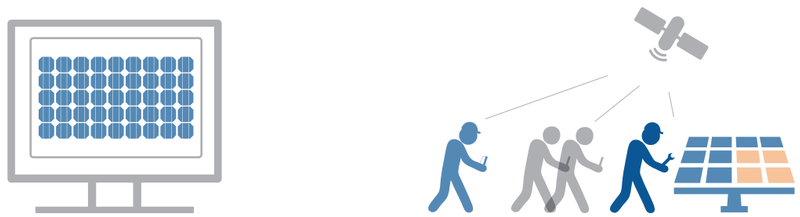
By accessing data on the modules - easily updatable in the event of replacements - SolarEye provides key support for incentive-related administration tasks and during due diligence reviews.



HAVING EVERYTHING UNDER CONTROL HAS NEVER BEEN SO EASY.

Right on target with gps

SolarEye uses a GPS sensor to reproduce a virtual map of the photovoltaic power plant, associating each individual module with its exact geographic position.



SolarEye also features a “navigator” option to guide personnel directly to the desired module, thus reducing maintenance times on large systems.

SOLAREYE REDUCES MAINTENANCE TIMES AND COSTS.

SolarEye: immediate results!

Precise and independent fault analysis
SolarEye precisely detects all faults, guaranteeing maximum reliability of results and independent analysis by O&M operators.

Reduced maintenance costs
SolarEye allows you to save money on traditional field measuring systems and reduce maintenance costs.

Targeted O&M activities
SolarEye provides precise information on module faults, allowing targeted O&M activities to solve the problem.

Complete system overview
SolarEye provides easy access to all useful information on system modules: faults, thermographic images, brand, serial number, GPS position.

Support during due diligence and to keep incentives
The information on the modules provided by SolarEye is useful support during due diligence reviews and to keep incentives.