

Solar CAT I Airfield Ground Lighting

ICAO-compliant alternative
to **conventional systems**



MEETS STANDARDS

Without cables,
Power stations,
Complex infrastructure

What **Airports** Is It For?

Solar CAT I is designed for airports that face **real-world operational challenges**:



Low-traffic airports with **formal CAT I** lighting requirements



Remote or **hard-to-access locations** with unreliable power supply



Sites with **limited personnel**, reactive maintenance, and no system monitoring



Solar CAT I Simple, Reliable, Compliant

Delivers full performance **without**
costly infrastructure.



Proven Solar Technology



70+ countries



365 days
energy availability



Operates
in any climate



ICAO-Compliant

Meets all ICAO CAT I performance
standards on photometrics, control,
and redundancy.



AES
256
Fail-Safe Wireless
Control System



Solar High-Intensity Runway Lights

Each light is powered
by Solar Engine Mini



Solar CAT I Approach Lighting

Entire approach bar is powered
by Solar Engine Compact

Solar CAT I

Lower Cost, Higher Value

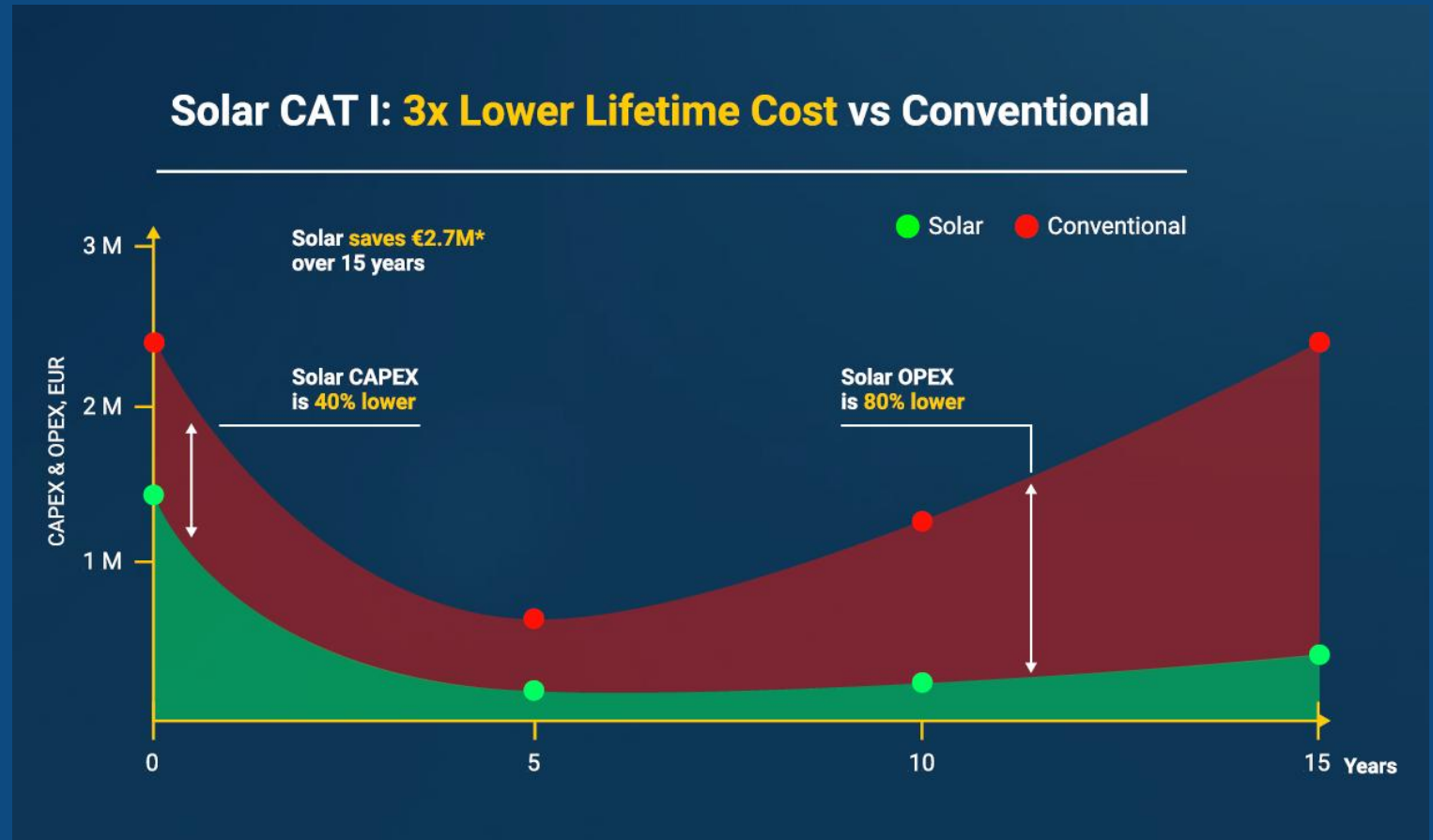
How is it **different from conventional** systems?

40% Lower CAPEX

80% Lower OPEX

100% Reduced Disruption Costs

**Solar saves €2.7M*
over 15 years**



Proven Solar Technology

Tested in
70+ countries



 Airports with installations



Proven in all weather
Reliable performance in **rain**,
fog and **low visibility**

20M+
monitored operating hours

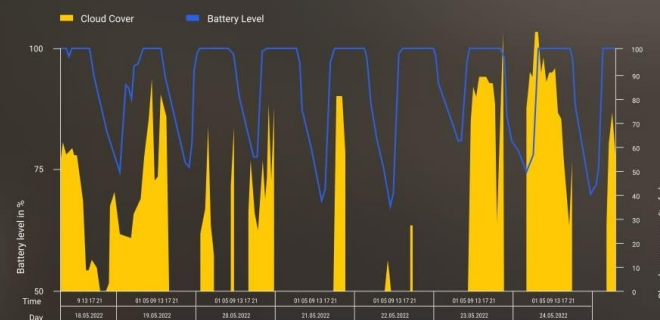


 **57 sec ago**
Last Update

 **686 days**
Replace Battery

 **34°C**
Avg. Temp
Devices

Battery Level vs. Cloud Cover History



Backed by **real-time data** from
thousands of in-field units

Thank you!

