



steady**sat**



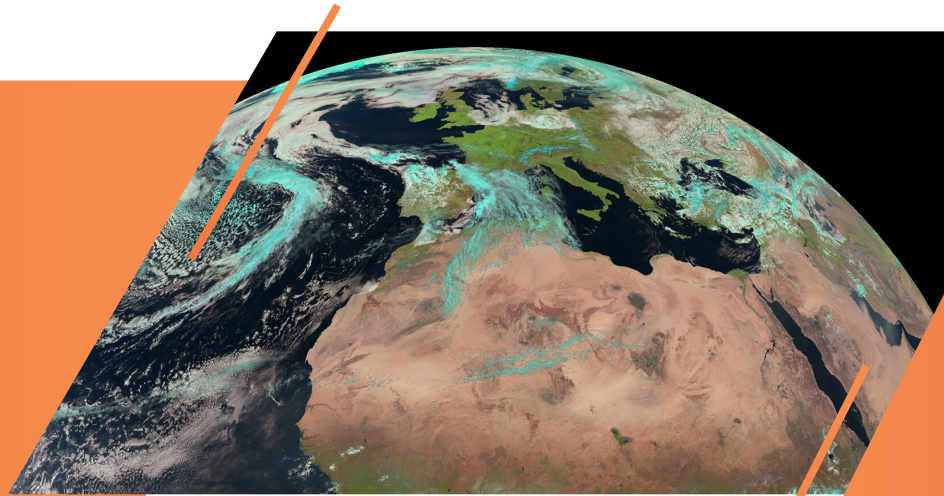
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Solar power forecasts

Based on satellite imagery



ABOUT

SteadySat provides advanced solar irradiance and production forecasts up to 3 hours ahead. This product combines real-time satellite imagery with in-situ observations processing, weather forecast, physical models and artificial intelligence.

Cloud properties and evolution are monitored and predicted in real-time, improving the accuracy of solar forecasts for the next few hours and anticipating the risks of variability.

KEY BENEFITS



WORLDWIDE COVERAGE

Real-time processing of images coming from five geostationary meteorological satellites



TAILORED OUTPUTS

In terms of parameters, update frequency, granularity and delivery settings



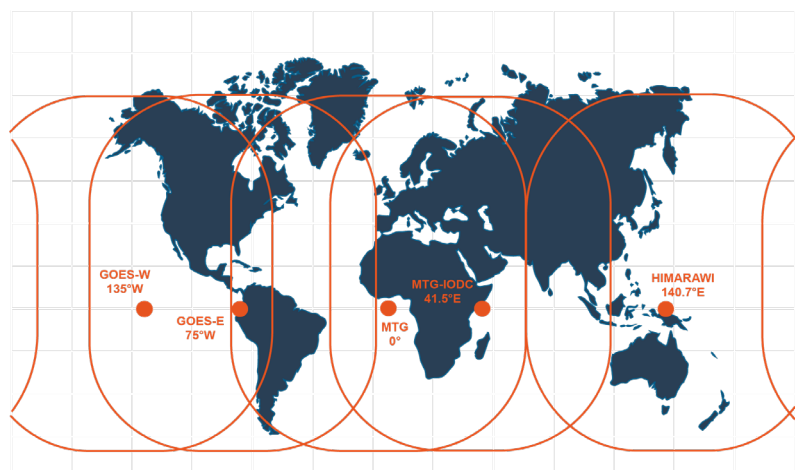
ACCURACY IMPROVEMENT

Frequently updated information of current and upcoming weather situations. Local weather effects are more accurately predicted at specific locations with nowcasting. SteadySat perfectly complements SteadyMet with precise intraday forecasts thanks to high-resolution remote sensing observations.

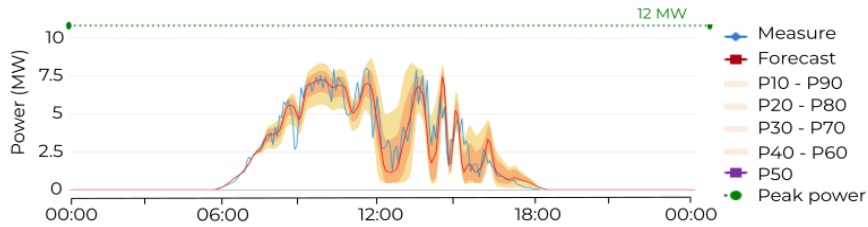
SOLUTIONS

- Plant operations
- Grid management
- Renewable energy trading
- Portfolio managements
- Smart grids and smart cities

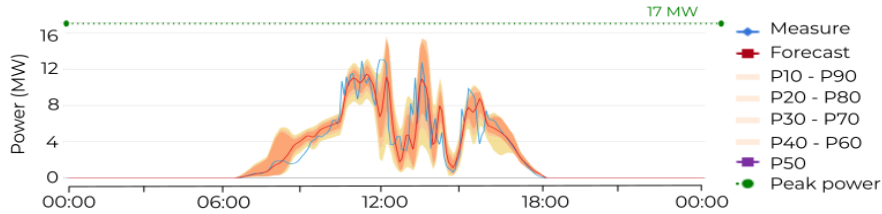
SATELLITE COVERAGE



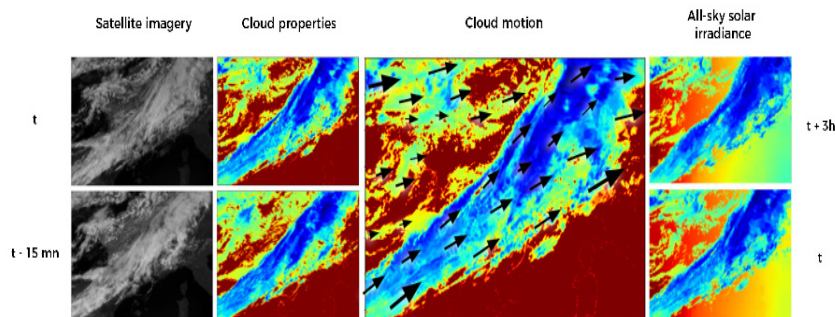
1h ahead intraday power forecast for a 12MWp PV plant (Germany)



1h ahead intraday power forecast for a 17MWp PV plant (Australia)



Satellite-based GHI forecast above Western Europe



FEATURES

3 hours

Max time horizon

5 - 15 min

Update frequency

1 min

Max forecast time step

500 m

Max spatial resolution

Power, GHI, DNI, DHI, GTI,
Available parameters

Site, Portfolio, City, Region
or Country

Geographical coverage

PV, Trackers, Bifacial, CSP

Technology

API, SFTP, etc.

Data delivery

P10, P20, ..., P80, P90

Confidence levels

METHODOLOGY

