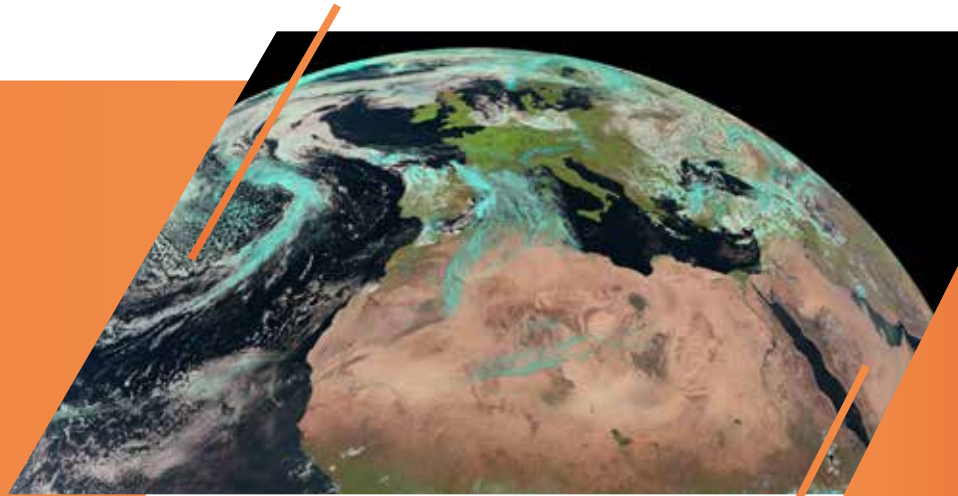


# Solar forecasts and live data

Based on satellite imagery



## ABOUT

SteadySat provides advanced solar irradiance and production forecasts up to 6 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.

## SOLUTIONS

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

## KEY BENEFITS



### WORLDWIDE COVERAGE

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



### TAILORED OUTPUTS

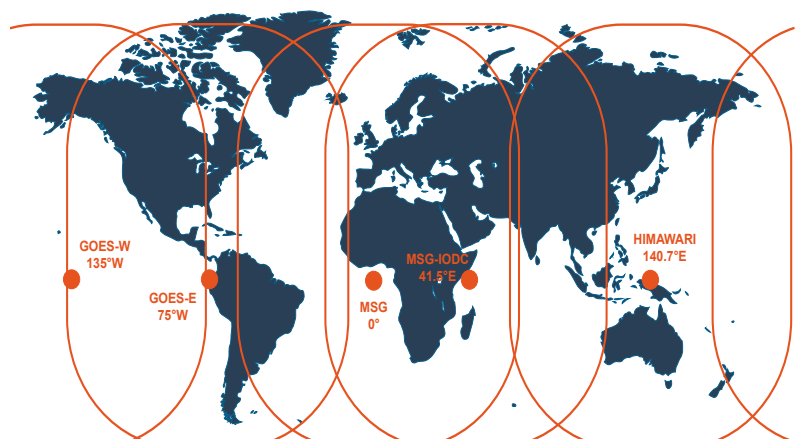
In terms of parameters, update frequency, granularity and delivery settings



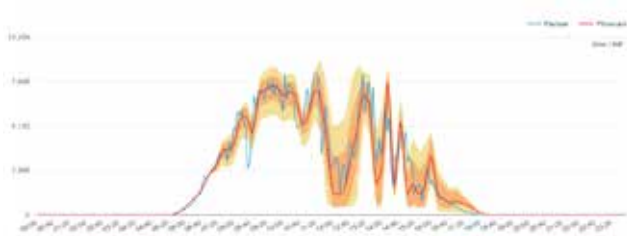
### ACCURACY IMPROVEMENT

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.

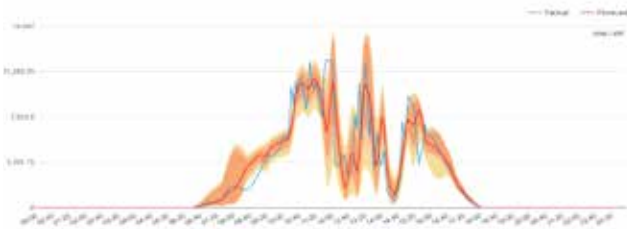
## SATELLITE COVERAGE



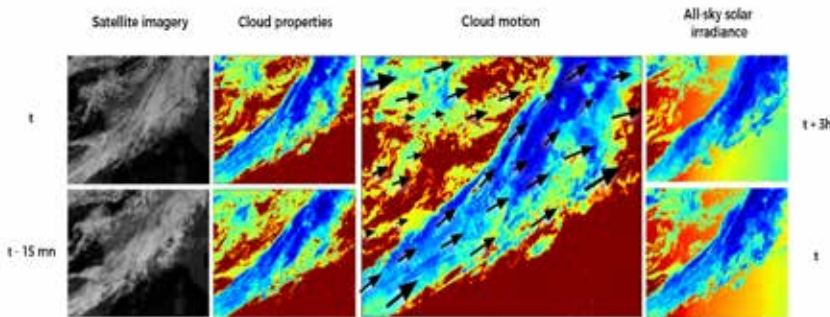
## Intraday power forecast for a 12MWp PV plant (Germany)



## Intraday power forecast for a 17MWp PV plant (Australia)



## Satellite-based GHI forecast above Western Europe



## FEATURES

### 6 hours

Max time horizon

### 5 - 15 min

Update frequency

### 1 min

Forecast time-step

### Power, GHI, DNI, DHI, GTI, temperature, wind

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

