

Historian for solar or wind energy

VAISALA

Product Spotlight

High-quality historical data for informed decisions for renewable energy projects

Capturing the most value from investments in wind and solar energy projects depends not only on reliable information about the site's current and future conditions, it also depends on a thorough understanding of the location's past weather patterns and trends.



Key benefits

Trusted, tested data based on almost two decades of satellite imagery, multiple decades of global weather data, and cutting edge weather simulation technology.

High-quality historical data yields an accurate baseline useful for predicting project success.

Quickly identify and fix problems.

Data is delivered in data files that are easy to access and integrate through FTP or API.

Includes Solar Time Series Tools 2.0

Why Vaisala?

We are innovators, scientists, and discoverers who are helping fundamentally change how the world is powered. Vaisala elevates wind and solar customers around the globe so they can meet the greatest energy challenges of our time. Our pioneering approach reflects our priorities of thoughtful evolution in a time of change and extending our legacy of leadership.

Vaisala is the only company to offer 360° of weather intelligence for smarter renewable energy, nearly anywhere on the planet. Every solution benefits from our 85+ years of experience, deployments in 170+ countries, and unrivaled thought leadership.

Our innovation story, like the renewable energy story, continues.

Time Series Tools

- Minimize investment risk and improve energy output estimates for exact locations
- Increase understanding of trends and maximize profit margins
- Decrease dramatic shifts in project value and year-over-year variations

Site Prospection Maps

- Reliable historical GIS data to guide operation, management, and maintenance of solar and wind energy assets
- Selection of optimal asset placement for maximal output

Solar Climate Variable Analysis (CVA)

- Long-term historical data to forecast project success
- Combine with optional onsite measurements to understand the history of your site's solar resource variability, and ultimately reduce the uncertainties of estimating future project generation

Solar Performance Reconciliation

- Ensure existing projects are operating at optimal levels and enables diversification of portfolio assets
- Streamline pipeline management for proposed sites

