

Vaisala Compass®

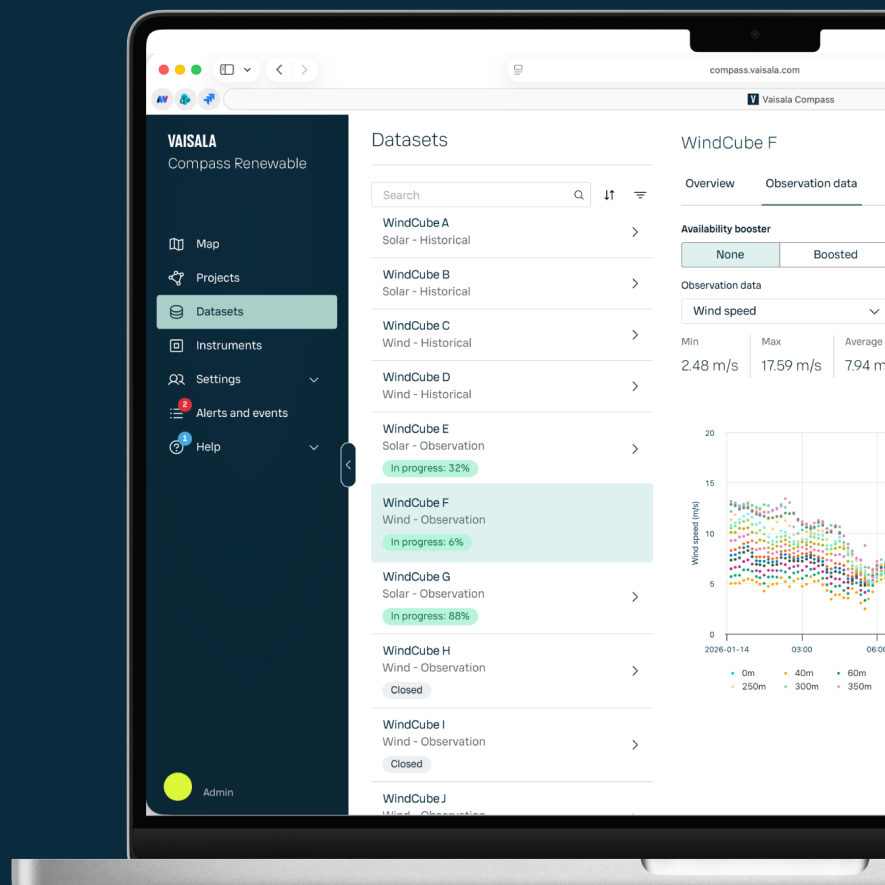
VAISALA

Product Spotlight

Vaisala Compass® is the cloud-based digital companion to WindCube®, bringing instrument management, measurement data and advanced analytics together in one platform.

Every new WindCube® 2.1 XP includes 12 months of Compass Renewable, helping you get more value from your WindCube from day one - from campaign monitoring and data management to advanced data quality and post-processing capabilities.

By integrating 40+ years of historical wind and solar data with advanced analytics and sensor measurements, Compass empowers developers and operators to make weather data-driven decisions in any terrain or weather condition.



Wind and solar energy strongly depend on the weather, which varies across days, seasons and years, making it challenging to predict both in the short and long term.

From initial site selection to ongoing operations, Compass addresses the renewable energy industry's most pressing weather-related challenges:

- Collecting bankable data in increasingly complex site conditions
- Accurately evaluating weather data for yield resource assessment
- Securing project financing
- Optimizing farm operations
- Managing observation instruments and processing data

Choose the Compass edition that fits your needs

Compass is available in two editions. Compass Connect provides essential capabilities for monitoring your Vaisala instruments and accessing measurement data. Compass Renewable extends these capabilities with advanced wind resource assessment, data quality, high-frequency data management and analytics – including Availability Booster, WindCube Pure TI™ and terrain complexity assessment.

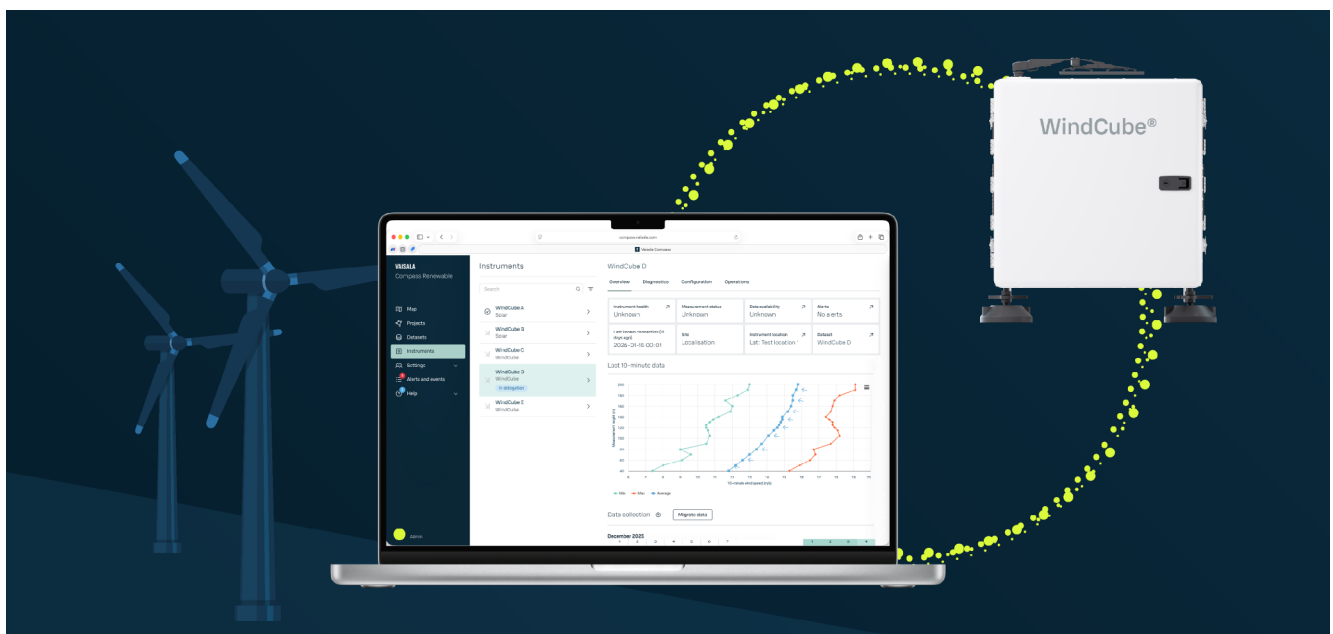
With every new WindCube 2.1 XP, Compass Renewable is included for the first 12 months.

Manage weather-related challenges with confidence

Compass organizes, interconnects and simplifies access to the largest portfolio of weather solutions combining instruments and intelligence. Advanced analytics – including data availability booster and physics based turbulence intensity reconstruction (WindCube Pure TI™) – help you turn WindCube® measurements into usable, decision ready datasets.

You're always informed and in control of your weather-related operations, from managing your fleet of Vaisala's WindCube lidars and AWS810 Solar Edition weather stations to securely sharing critical weather data.

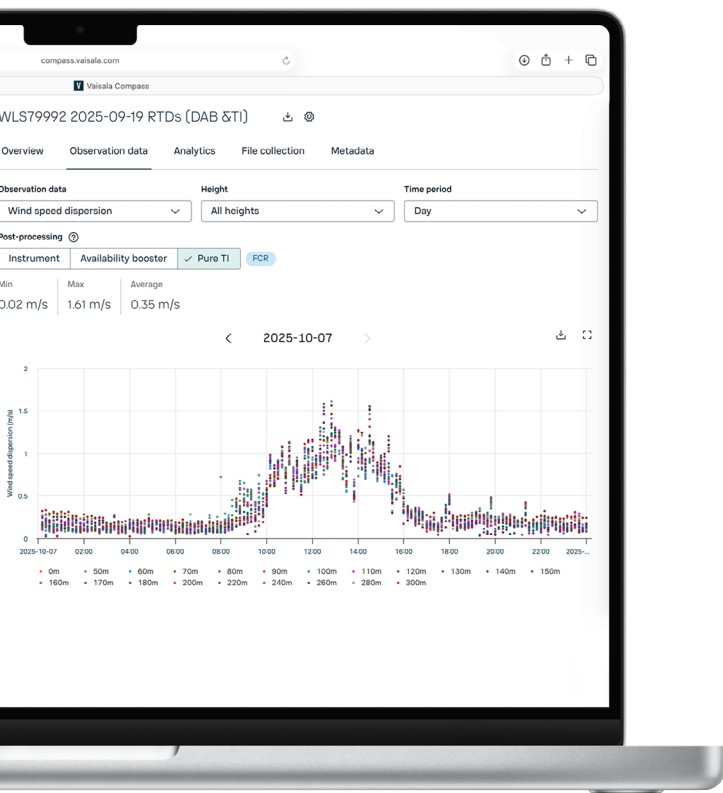
Maximize the value of your weather data with robust datasets and interconnect your weather data with your broader digital ecosystem for efficiency and strategic insight. Compass post processing helps increase data availability and improve turbulence characterization, enhancing the reliability of measurements used for resource assessment, design, and operations. Continuous monitoring and remote instrument management ensure your weather measurements are precise and tailored to your specific needs.



Work with a trusted partner

As the global expert in weather measurement, our vision is to facilitate access to reliable and accurate field weather data augmented with analytics and models, enabling renewable players to develop and operate in any terrain and weather conditions while securing their financing and revenue stream.

Vaisala historical data is based on decades of satellite imagery, multiple decades of global weather data, and cutting-edge weather simulation technology. The data is solidly supported by science plus hundreds of customers worldwide, from project developers and operators to the financial community and renewable energy consultants.



Key benefits

Efficiently and easily manage your fleet of weather instruments on one software platform.

Explore resources and map, design and monitor measurement campaigns to ensure weather data bankability.

Enhance WindCube datasets with data availability and turbulence intensity analytics to provide more complete, reliable inputs to your wind measurement campaigns.

Maximize the value of weather data throughout your farm's lifecycle.

Foster better collaboration and planning with secure data sharing.

Rely on our global network of local service providers around the clock.

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 90 years of experience, deployments in 170+ countries, and unrivaled thought leadership.

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

