WindCube Insights — Fleet

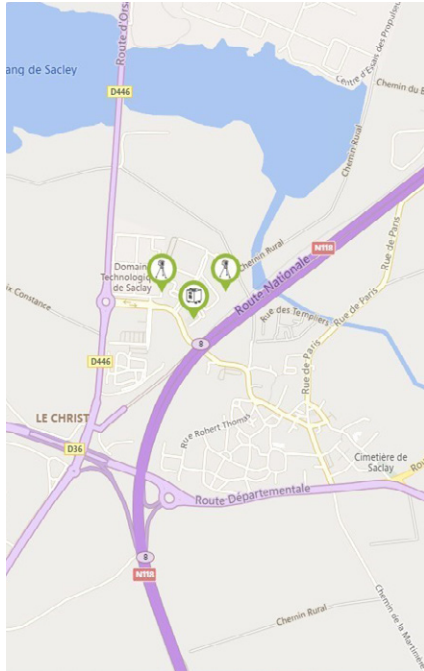**Modern, cloud-based software for WindCube lidar fleet and campaign management**

Wind data is only as good as the insights you can extract from it. Fortunately, industry-leading WindCube® vertical profiling lidars and WindCube Nacelle lidars come equipped with the ideal cloud-based management software: WindCube Insights — Fleet.

WindCube Insights — Fleet enables users to put wind data to use quickly and efficiently, whether they are in the office or in the field. It provides full visibility into campaigns and lidar networks, enabling better, more confident decision-making and allowing organizations to get the most from their lidar investments. It is a single, flexible solution that serves many stakeholders and roles.

Key benefits

Decisive, data-driven management

WindCube Insights — Fleet is with you wherever you go, both for onshore and offshore versions of WindCube vertical profiler and WindCube Nacelle. Its analytical power is available at a moment's notice, enabling fast response times, real-time campaign management, and consistent visibility and control into lidar units and turbines near and far.

Secure data and access management

WindCube Insights — Fleet is a modern, mature software built with diverse users in mind. Multilevel user access rights and traceable systems, data, and campaign management enable full visibility and accountability — whether the system is used by a single user or dozens. Data is stored on a secure server with restricted access, protecting it against theft and archiving it without time limitation. This keeps it safe and available whether the lidar is in service, being moved, damaged, etc.

One tool, many projects

The solution easily extends from one campaign to full fleet management, so it can grow with your operations without new software procurements. This provides a consistent digital environment for users anywhere in your organization, without the need for frequent re-education.

WindCube Insights — Fleet at a glance

Applications

- Scalable, comprehensive fleet management for WindCube vertical profiling lidars both onshore and offshore
- Supports new factory-shipped WindCube Nacelle lidar and upgraded WindCube Nacelle lidar fleet

Key features

Comprehensive fleet overview with status reporting and convenient geographical mapping

Remote control allowing for reboot and wiper management, but also system configuration such as measurement gates and altitudes as well as installation offset
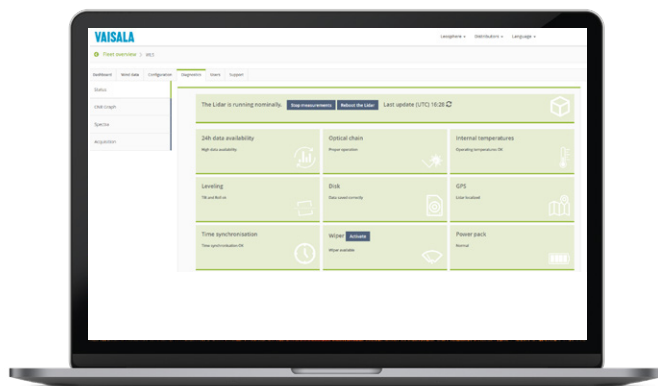
Real-time monitoring, customizable early warning alarms, and proposed actions for fast troubleshooting

Long-term data storage on a secure, dedicated server, with automatic data export and real-time archival data access or download, regardless of the lidar's operational status

User-friendly, cloud-based interface with dashboards and notifications

Simple data access and export capabilities providing business-critical insights immediately, on any device

Multilevel user access rights and accounts with customizable preferences (language, alerts, email)

Why Vaisala for renewable energy?

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 weather and environmental monitoring solutions for renewable energy are guided by several key priorities:

- Thoughtful evolution in a time of change
- Making renewable energy smarter at every stage
- Extending our legacy of leadership

Vaisala is the only company to offer 360-degree renewable energy solutions — from sensors and systems to digital services and actionable intelligence — nearly anywhere on the planet (and even on Mars). Every Vaisala solution benefits from our 85+ years of experience, pioneering deployments in 170+ countries, and unrivaled thought leadership.

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

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