VAISALA

Vaisala Jade Smart Cloud

Vaisala Jade Smart Cloud is a convenient cloud-based data service for monitoring and analyzing measurement data. The application can be accessed through a web browser on your computer, tablet, or mobile phone, making it ideal for professionals who want secure access to quality measurement data anywhere and at any time.

Monitoring

Continuous monitoring provides immediate insights into your processes. Access live measurement values to be always informed about the state of your operations.

Detect and respond to changes or anomalies as they happen. Customize the monitoring interface to display the most relevant data for your specific needs.

Alerts

The flexible and reliable alerting feature ensures timely notifications when conditions deviate from set limits.

Send alerts through multiple channels, including email and SMS.

Immediately detect critical environmental changes, enabling timely and appropriate actions.

History and trends

Track long-term data trends through interactive graphs, which help in visualizing trends and understanding process and environmental conditions over time.
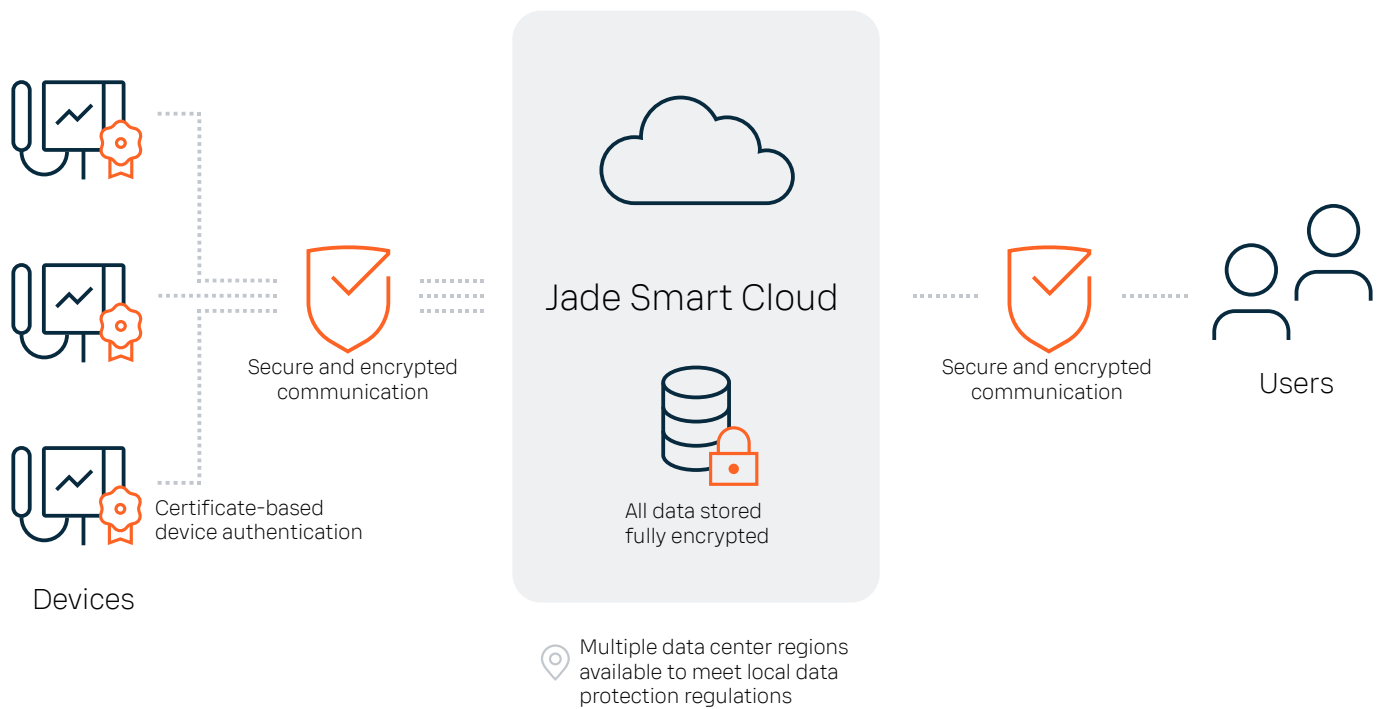
Select specific time frames to view trends from the past day, week, month, or even longer periods.

Analyze large amounts of historical data with the customizable data-averaging function. Raw measurement data is always available for analyzing details at the level of a single measurement sample.

Reporting

The easy-to-use reporting feature provides detailed and accessible data insights. Easily generate reports in PDF format that include data visualizations in graphs and tables.

Export data in CSV format, allowing easy integration with other tools and software. Enable benchmarking between different measurement locations to identify variations and trends across multiple sites.

Devices

Secure and encrypted communication

Certificate-based device authentication

Jade Smart Cloud

All data stored fully encrypted

Multiple data center regions available to meet local data protection regulations

Secure and encrypted communication

Users

Easy setup

The system is very easy to get started with. No additional software is needed. No device pairing is needed, as the devices are associated with a Jade Smart Cloud account when they are purchased.

New devices become automatically available in the system. With the intuitive user interface, users can easily link measurement parameters to measurement locations. Measurement locations can then be organized into multilevel measurement groups for easy navigation.

Easy access

The Jade Smart Cloud web application is built on modern web technologies and supported by all major desktop and mobile browsers. There is no app to install and maintain. The user interface is always available online at:

jade.vaisala.com

Secure connectivity and data storage

The Jade Smart Cloud monitoring solution employs advanced security measures to protect your information and data communication from devices to the cloud and further to users.

Multiple regions are available to meet local data protection regulations.

Device management

The number of devices can be chosen based on customer requirements. Monitor device connection status and alerts, and change device settings based on your requirements.

All data is securely stored in the cloud.

Subscription service

Basic tier provides access to all the monitoring and analyzing features. Add-on features are available for specific requirements. More add-on features will be made available later.

Feature	Basic tier	Add-on
Live measurement data	✔	
Viewing historical measurement data using graph or table view	✔	
Exporting measurement data reports in PDF and CSV format	✔	
Organizing measurement locations under groups	✔	
Device and probe details, including calibration date	✔	
Alerts for measurement locations and devices	✔	
User configurable alert rules	✔	
Alert notifications by email	✔	
Inviting new users to access your account	✔	
User rights and site access control using Administrator, Operator, and Viewer roles	✔	
Alert notifications by SMS		✔

Technical data

Web application

Web address	https://jade.vaisala.com
Web interface protocol	TLS 1.3
Supported Internet browsers	All modern and up-to-date browsers, including, but not limited to: Google Chrome™ Apple Safari® Microsoft Edge® Mozilla Firefox®
User interface languages	English, Finnish, French, German, Japanese, Portuguese, Spanish, Swedish

Supported devices

Device model	Connection requirements
RFL100 Data Logger	Connects wirelessly through AP10 Access Point. The access point must be associated with the same customer account. See RFL100 Data Logger Datasheet (B211595EN).
AP10 Access Point	Ethernet network with Internet connection. See AP10 Access Point Datasheet (B211597EN).
Indigo510 Transmitter	Ethernet network with Internet connection. See Indigo510 Datasheet (B212305EN).
Indigo520 Transmitter	Ethernet network with Internet connection. See Indigo520 Datasheet (B211735EN).

Data center regions

Multiple regions available to meet local data protection regulations.

Data center	Region
Jade Smart Cloud data center - EU	European Union
Jade Smart Cloud data center - NA	North America

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Published by Vaisala | B211905EN-F © Vaisala 2025