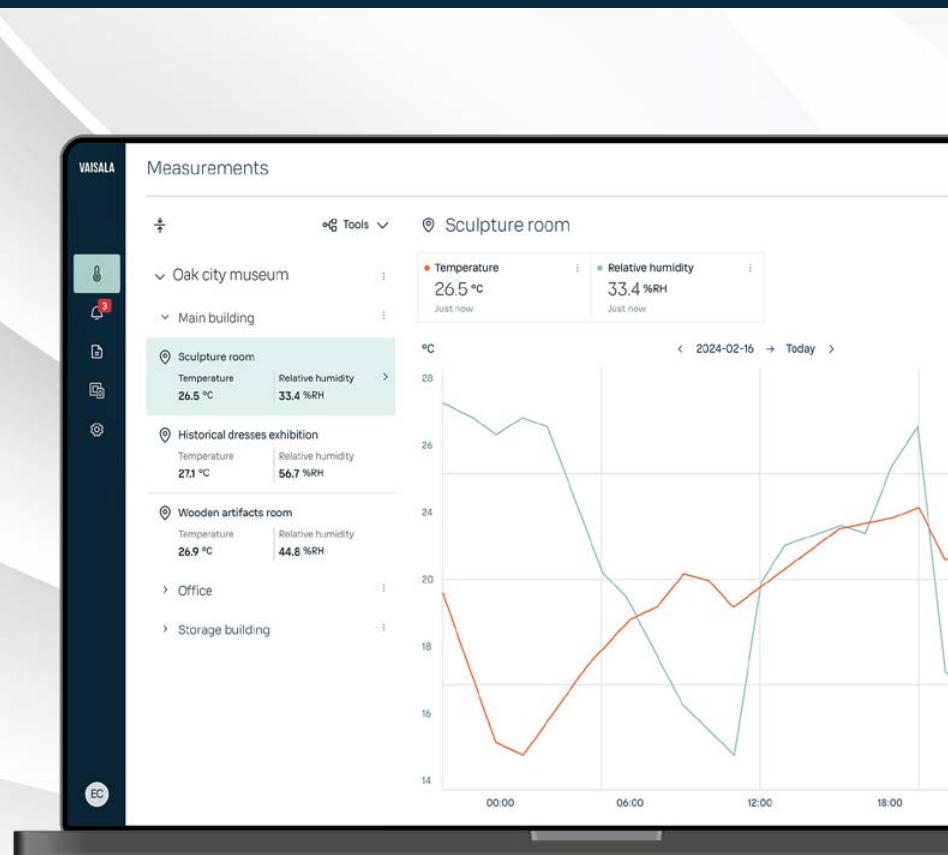


Jade Smart Cloud Brochure

Professional cloud-based service for
smart monitoring and analysis



01

Simple to use

Advanced measurement technology made accessible and user-friendly. Simplicity and efficiency empowers to focus on what truly matters: maintaining optimal environmental or process conditions and achieving monitoring goals.

02

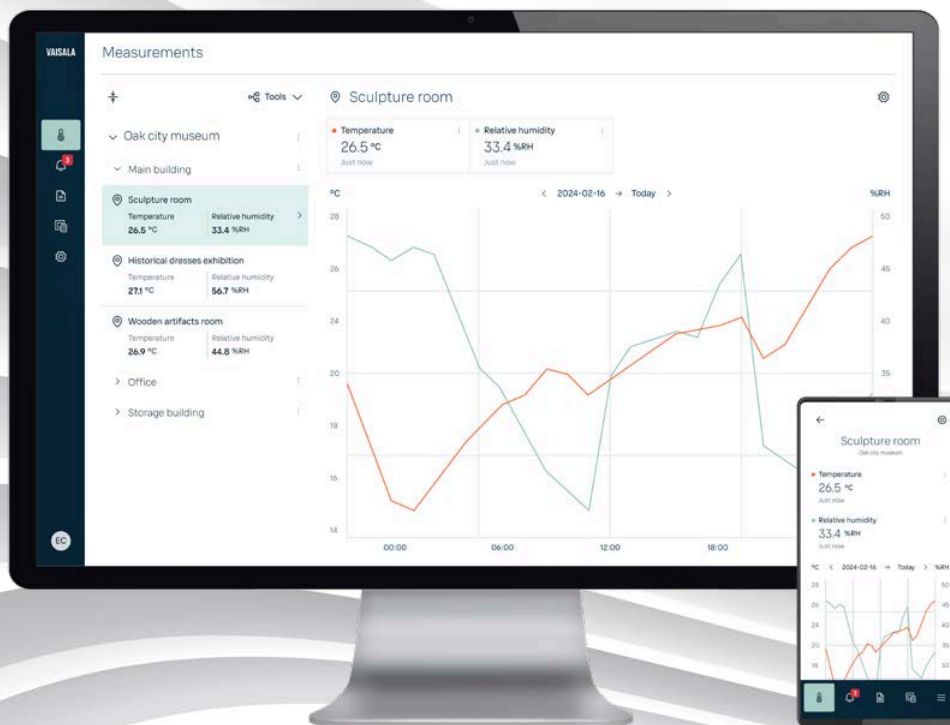
Local & remote

Vaisala Jade Smart Cloud seamlessly integrates local and remote monitoring into a single system, offering unparalleled flexibility and convenience. Users have continuous, reliable access to critical measurement data, enhancing operational efficiency and peace of mind.

03

Easy setup

Setting up the Vaisala Jade Smart Cloud monitoring system is designed to be straightforward and hassle-free. Even those with minimal technical expertise can get the system up and running quickly. Cloud-based solution enables reliable operation without any local server hardware, software installation or maintenance.



Revolutionize your monitoring

Experience unparalleled precision and reliability with Vaisala Jade Smart Cloud, the cutting-edge monitoring solution designed to optimize your operations in industrial and commercial applications.

Harness the power of real-time data and history data analytics to ensure that your environmental or process conditions are always performing at their best.

Stay ahead with proactive alerts, easy reporting, user-friendly local & remote use, and seamless integration with compatible Vaisala measurement devices.

Unlock numerous benefits with our advanced cloud-based monitoring software. Setting up the system is effortless—no software installation required. Simply log in and start using it right away.

Enjoy seamless access across all devices, including mobile phones and tablets. Wherever you are, you can securely access your data whenever you need it.



Access your system easily, both locally and remotely

Monitoring

Continuously track and visualize measurement values in real-time, providing immediate insights into your processes.

History data

Track long-term data trends through interactive, zoomable graphs, which help in visualizing trends and understanding process and environmental conditions over time.

Alerting

Vaisala Jade Smart Cloud provides a flexible and reliable alerting feature to ensure timely notifications when conditions deviate from set thresholds.

Reporting

The easy-to-use reporting feature provides users with detailed and accessible data insights. Reports are simple to generate quickly, without extensive training or technical knowledge.



Museums, archives & libraries

Museums, archives and libraries house sensitive artifacts and documents that need stable environmental conditions.



RFL100 wireless data logger & AP10 access point

Vaisala offers a range of Jade Smart Cloud compatible devices tailored to meet your precise measurement requirements. Choose from a variety of wireless or Ethernet-connectable data loggers and high-end industrial transmitters, ensuring you have the perfect solution for your monitoring needs.

The Jade Smart Cloud monitoring system with data loggers ensures reliable tracking of conditions and helps identifying any climate control issues that could cause damage such as mold growth or paint cracking.

Measurement data is accessible from anywhere, allowing continuous oversight without physical presence, which is useful for large institutions with multiple locations, storage areas or off-site facilities.

Immediate alerts for deviations in environmental conditions enable quick responses to potential threats. For example, if humidity levels rise unexpectedly, immediate action can be taken to adjust climate control systems, preventing damage to collections.

Benefits

Reliable monitoring and alerting made easy.

- An intuitive cloud-based system
- Easy installation, no local IT maintenance needed
- All data records encrypted and stored securely
- Automated data recording, no need for manual actions
- Various calibration options including accredited calibrations
- Timely alert notifications on critical situations
- Reports in PDF and CSV file formats
- Futureproof scalable solution

Warehouses & logistics centers

Monitoring system ensures that temperature and humidity levels are continuously tracked, which is crucial for maintaining the quality of stored goods.

Monitoring of storage conditions is especially important for specialty products such as electronics, flowers, seeds, paper and food products e.g. chocolate. To maintain quality standards throughout the entire supply chain, high-quality mechanical and aerospace products as well as spare parts, also require specific storage conditions.

Efficient data sharing directly from the Jade Smart Cloud application eliminates the need for manual report distribution. This allows logistics operators to provide end customers with direct access to real-time and historical data.

Continuous monitoring provides valuable data that can be analyzed to improve storage strategies, predict maintenance needs, and enhance overall decision-making processes.

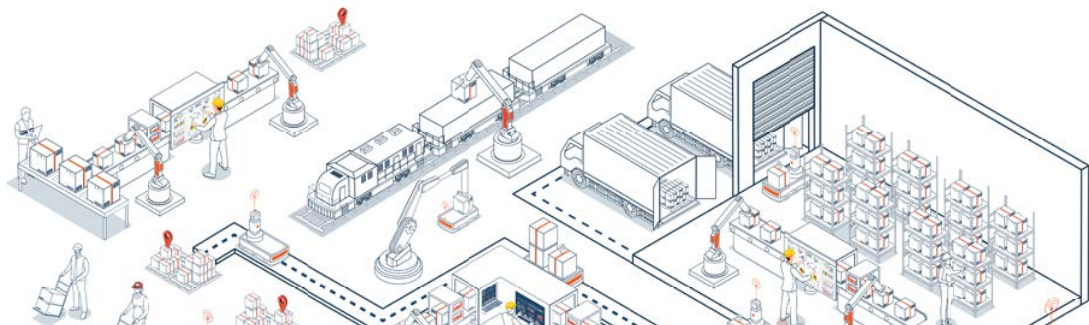
A proper monitoring system helps in the early detection of any deviations from set conditions, reducing the risk of spoilage or damage to goods. In case of an end customer complaint, warehouse operators can easily check the environmental monitoring records for the relevant period to verify if there were any deviations in temperature, humidity, or other conditions.

Benefits

- Superior radio technology enables reliable monitoring, even in large warehouses with tall, fully stocked shelves
- Storage conditions reporting with long-term measurement data
- High-quality, calibrated measurement probes ensure trustworthy data
- Adding devices is easy – resulting in effortless system expansion
- Screw-free magnetic data logger mounting bracket for easy and smooth installations on metal shelving systems

Seamless oversight

Our easy-to-use cloud-based monitoring system offers comprehensive oversight at every stage in logistics, warehousing, and distribution throughout the supply chain.





R&D and calibration laboratories

Precise monitoring of environmental conditions is essential for various laboratory settings. Whether it's mechanical testing, R&D activities, or equipment calibration, our system ensures accuracy and reliability.



Indigo500 high-class industrial transmitter

The Vaisala Indigo500 transmitter is a top-tier solution designed for precision. Equipped with smart probes and an optional barometric pressure module, it excels in monitoring parameters such as temperature, humidity, carbon dioxide and barometric pressure, ensuring accurate and reliable data in modern laboratory environments.

Automated data logging reduces the risk of human error, ensuring high data integrity. It provides detailed records of environmental conditions, which are essential for traceability, for example in calibration processes.

Maintaining compliance with industry standards requires accurate and reliable environmental data. Continuous monitoring helps in the early detection of any deviations, reducing downtime and ensuring consistency with standards.

The cloud-based monitoring system facilitates remote access to real-time and historical data, enabling seamless collaboration among researchers and other laboratory staff. The system is easily scalable to accommodate growing data needs as the business grows, or research projects expand.

Selection of compatible data loggers and high-end industrial transmitters ensures you can build the perfect solution for your monitoring needs.

Benefits

- An intuitive cloud-based system minimizes the time required for installation and maintenance
- All data records encrypted and stored securely
- Automated data recording eliminates the need for manual actions
- Various calibration options available including accredited calibrations
- Timely alert notifications on critical situations
- Create reports in PDF and CSV file formats
- Futureproof solution that scales with your needs



Food & beverage

Continuous monitoring of critical parameters like humidity and temperature ensures that production and storage conditions are optimal.

Benefits

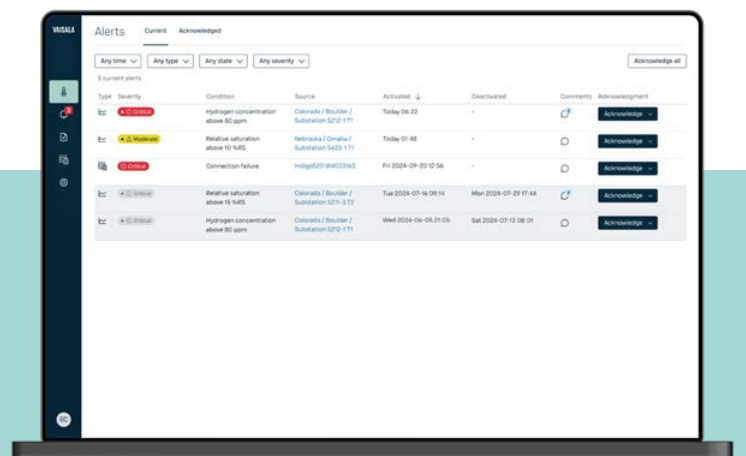
- Access data - anytime & everywhere
- Eliminate manual error-prone checks
- Prevent stock losses with automated alerts on unexpected issues
- Instant reports of current & past conditions
- Easy installation
- High-quality measurements with various calibration options
- Special probes available for fridge & freezer monitoring

Jade Smart Cloud helps in maintaining the quality and safety of food products, preventing spoilage and contamination. Measurement data can also be used to optimize processes and improve energy efficiency, leading to cost savings and better resource management.

Immediate alerts for deviations in environmental conditions enable quick responses to potential threats. Staff can access real-time data from anywhere, allowing for better oversight of multiple facilities, including production plants, warehouses, and cold storage units. This flexibility ensures that any issues can be addressed promptly, even when staff are not on-site.

Elevate your operations with Jade Smart Cloud.

vaisala.com/jade



Stay alerted real-time

The Vaisala Jade Smart Cloud application keeps you informed with real-time alerts. You can quickly identify and respond to critical changes in your monitored environment. Ensure the safety and efficiency of your operations with instant notifications, accessible anytime and anywhere.

Secure connectivity & data storage

We prioritize the security of your data with multiple layers of protection. 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.



Secure data storage

All data is stored fully encrypted. Our cloud infrastructure is hosted in secure data centers that comply with industry-leading security standards. This ensures that your data remains safe and secure, providing you with peace of mind and reliable access to your critical information.

You can choose the data center region from available options to ensure that your data is stored in accordance with the data protection standards that best suit your needs.

Secure connectivity

Data transfer between devices and the cloud utilizes advanced encryption protocols to protect your information during transmission, preventing unauthorized access and ensuring confidentiality.

Additionally, a secure connection is maintained from the cloud service to your computer and mobile devices. This connection's security is comparable to that used in online banking systems, ensuring your data remains safe.

Timely actions guaranteed even on the move.

With the ability to check on conditions from a mobile phone, you can respond swiftly to alert notifications, ensuring that any issues are addressed promptly.

This level of oversight ensures that you can maintain control, no matter where you are, providing peace of mind and the flexibility to manage tasks on the go.



Use any of your mobile devices to connect to Jade Smart Cloud.

Access your data & insights anytime, anywhere

// Mobile access has been a game-changer for us to manage operations efficiently.

Warehouse Operative Manager at a global food distributor company





Compatible devices



INDIGO500

series transmitters for high-class industrial measurements

- Color touch screen display
- 2-4 analog outputs
- 2x relays
- 24Vdc or ac power
- Data logging
- Ethernet port, Modbus TCP/IP
- Interchangeable smart probes
- Barometric pressure option



RFL100 & AP10

VaiNet data loggers and access points for wireless data logging

- Temperature, humidity and CO₂
- > 100m signal range
- Up to 32 loggers per AP10
- Ethernet port (PoE) in AP10
- Onboard memory (30d)
- Gap-free data
- Interchangeable probes



VDL200

data loggers for multi-parameter data logging via Ethernet

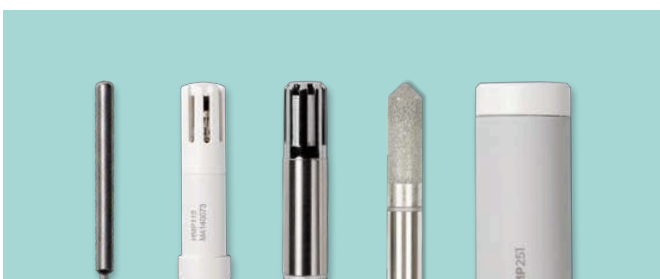
- Temperature, humidity and CO₂
- Multiparameter display
- Ethernet connectivity
- PoE support
- Backup battery
- Onboard memory (30d)
- Gap-free data
- Interchangeable probes



MHT410

transmitters for online key gas monitoring of power transformers

- Supported parameters: Moisture, Hydrogen and Temperature
- Connects to Jade Smart Cloud via INDIGO500 transmitter



Measure precisely and reliably with Vaisala probes

Our cutting-edge measurement probes are designed to meet the diverse needs of industries worldwide. With a focus on precision, reliability, and innovation, our probes provide accurate data for critical applications across various sectors.

Vaisala probes seamlessly connect to our advanced data loggers and transmitters. The probes can measure a wide range of parameters, including humidity, temperature, dew point, carbon dioxide, moisture in oil, and vaporized hydrogen peroxide.



Sustainability in the heart of our business

Vaisala's premium measurement solutions enhance safety, efficiency, and decisionmaking - for a sustainable future on our planet.

The heart of Vaisala's sustainability lies in the positive impact of our products, as they help our customers, for example, to increase energy efficiency and reduce emissions.

» [Learn more about our sustainability.](#)



Global coverage with local presence

As a global leader in industrial, weather and environmental measurements, we provide reliable, accurate and innovative products and solutions that enable better decision-making, increased productivity, and improved safety and quality.

Customers all over the world and in a multitude of industries use our measurement solutions. Everywhere from forecasting weather and making sure it is safe for your flight to take off, to staying ahead of power outages or monitoring incubators for premature children in hospitals, you can find Vaisala's premium measurement solutions in action all over the world.

» Find your [local contact.](#)

VAISALA

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