

 **MY ATMOSPHERE**

AIR QUALITY MONITORING SYSTEM

Managing. Visualizing. Documenting.

Made in Germany

Air Quality at a Glance With **MYATMOSPHERE**

We make air quality visible: by measuring it with our high-precision instruments and collecting and visualizing it via our cloud-based data platform.

MYATMOSPHERE is a comprehensive solution for effective and efficient management of air quality information – from data collection to communication to third parties. Whether it's air pollution caused by urban traffic, construction sites, industry, landfills, or open-pit mining: With **MYATMOSPHERE** you can easily monitor, understand and document air quality.

To measure is to know

Data acquisition of recognized and relevant air quality parameters in real-time, combined with meteorological measurements allows you to take targeted measures. Simply connect the devices and sensors to the data platform – and you're ready to go!



(Connection to the Internet required. Not part of the scope of delivery.)

Application Examples



TRAFFIC, RAILROAD, PORTS



SMART CITY



OPEN PIT MINING & LANDFILLS



**CONSTRUCTION, REMEDIATION,
DEMOLITION**



INDUSTRY



NATURAL RISK AREAS

Principle of Operation

As a cloud-based data platform, **MYATMOSPHERE** enables the monitoring, documentation, and visualization of air quality parameters.

- Automatic visualization of measurement data with export function (svg, png)
- Intuitive site management for devices and data
- Simple measurement data comparisons between sites
- Alarming (e-mail) according to individually adjustable limit values (Requires internet connection of the device)
- Convenient data export for further analysis based on a selection of location, time period, parameters, data aggregation
- Standardized integration with third-party solutions through optional API

Device 99999 Alarm Setting Management

Measurement Type *
PM10 - Particulate Matter 10 µm (µg/m³)

Condition
 greater or equal

Activation Threshold * 50 Deactivation Threshold * 40

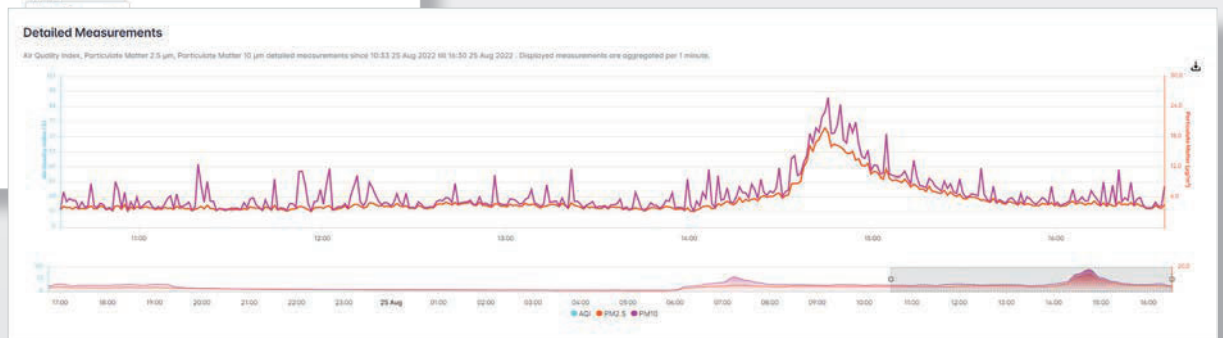
Aggregation *
Minute

Description
Description

Severity *

Notify General Contacts
 Notify Me

Alarm Function



Detailed Measurements

Technical Features

| | |
|-------------------------------------|--|
| Interval of data acquisition | 1 minute (moving average selectable) |
| Parameters | PM ₁ , PM _{2.5} , PM ₄ , PM ₁₀ , PM _{total} , C _N , pressure, temperature, relative humidity optional: CO, CO ₂ , TVOC, O ₃ , SO ₂ , NO ₂ , X50, LDSA (depending on device) |
| Data storage | 1-minute average for 24 hours 15-minute average for 2 years |
| Data evaluation | Graphs with hourly and daily average (selectable) |
| Measurement location | Acquisition of the device location |
| Monitoring of device status | Online/offline |
| Autorecovery | Up to one week. Automatic recovery without data loss in the event of an interruption of the mobile phone connection |
| Alarm options | Configurable and customizable with automatic email messaging |
| Data access | Download option (svg, png, csv) |
| Account management | 1 User |

On request (chargeable): API interface for easy integration of data into other systems/websites

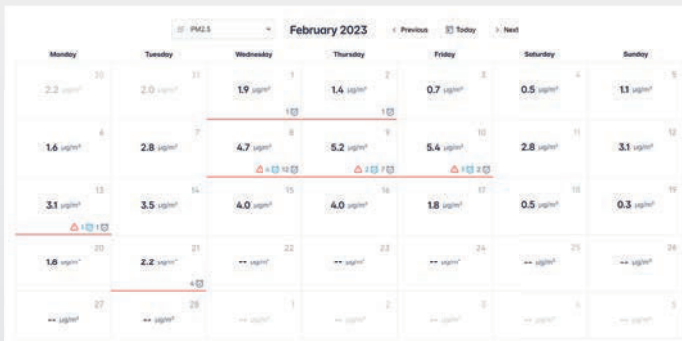
Special Advantages and Benefits

INNOVATIVE TECHNOLOGY

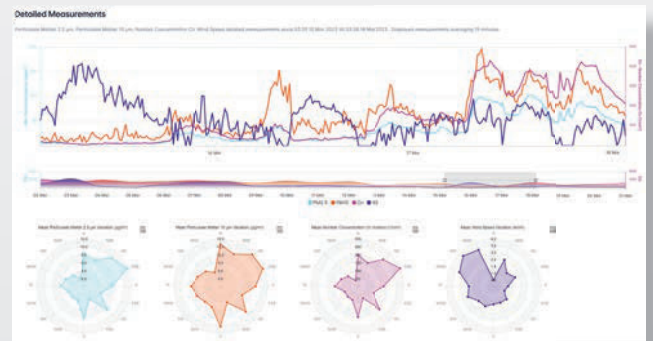
- Comprehensive know-how of the Palas aerosol experts
- High-precision and smart measuring instruments
- Cloud-based acquisition, analysis, and documentation of your collected data
- Our intuitive visualization software

YOUR BENEFITS

- Improved collaboration with project stakeholders through simple user management
- Save time and money: no third-party software is required for visualization and communication
- Access data from anywhere, at any time – with any device
- Simplified management of multiple monitoring projects
- Integration and remote management of Palas instruments



Calendar View



Wind Rose

Rental & Reporting Services

Choose your measurement technology, data management & additional services.

- **Measurement Technology**

Choose the device from our AQ GUARD SMART SYSTEM or our FIDAS® SMART SYSTEM that is suited best for your application.

- **Data Management**

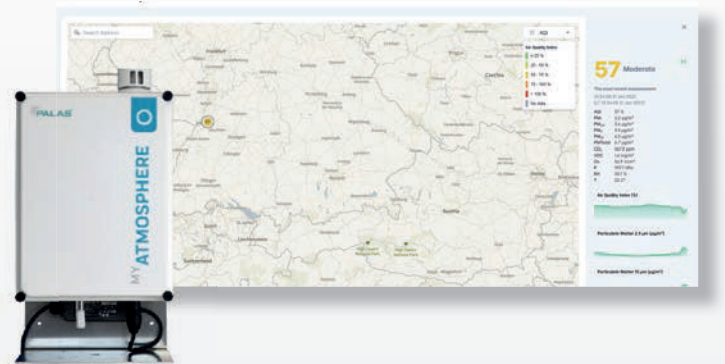
Plug & measure with the **MyATMOSPHERE** cloud including SIM-card.

- **Rental Period & Packages**

No matter if your project is running for a short or a longer period of time: You decide how long you need the devices.

- **Services (optional)**

There are also various services available, such as API for **MyATMOSPHERE** cloud, standardized weekly or monthly reports based on your measurement data, or compact training for our measuring devices and our **MyATMOSPHERE** cloud.



INTERESTED?



Request an online demo or quote today!

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As an aerosol technology expert, Palas® Germany is committed to providing users with solutions for the generation, conditioning, measurement and analysis of aerosol particles. Based on the unique advantages of its own technology, Palas® developed a variety of application cases in ambient air quality monitoring, particle filtration performance testing and various scientific research fields. Palas Instruments (Shanghai) Co., Ltd. is a wholly owned subsidiary of Hong Kong Palas (Asia) Limited. As one of the global branches of Palas GmbH, it has legally obtained the Palas trademark authorized by Palas GmbH in Exclusive use rights in China and Asia.

As a company that has passed the ISO 9001:2015 quality management system certification, Palas®'s test rig solutions can execute particle filtration performance tests for filter media and filter elements according to applicable international, national and regional standards. In terms of environmental protection, Palas®'s equipment meets the requirements of multiple environmental monitoring standards (EN 15267, EN 16450, HJ653, GBZ/T 192.6, etc.) for indoor and ambient PM2.5, PM10, particle number size distribution monitoring and analysis.

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