

MY ATMOSPHERE

AIR QUALITY MONITORING SYSTEM

Managing, visualizing and 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: local and decentralized.

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!

Application examples



NETWORK WITH ROADS, RAILS & PORTS



SMART CITY



OPEN PIT MINING & LANDFILLS



CONSTRUCTIONS SITES



INDUSTRY



NATURAL RISK AREAS

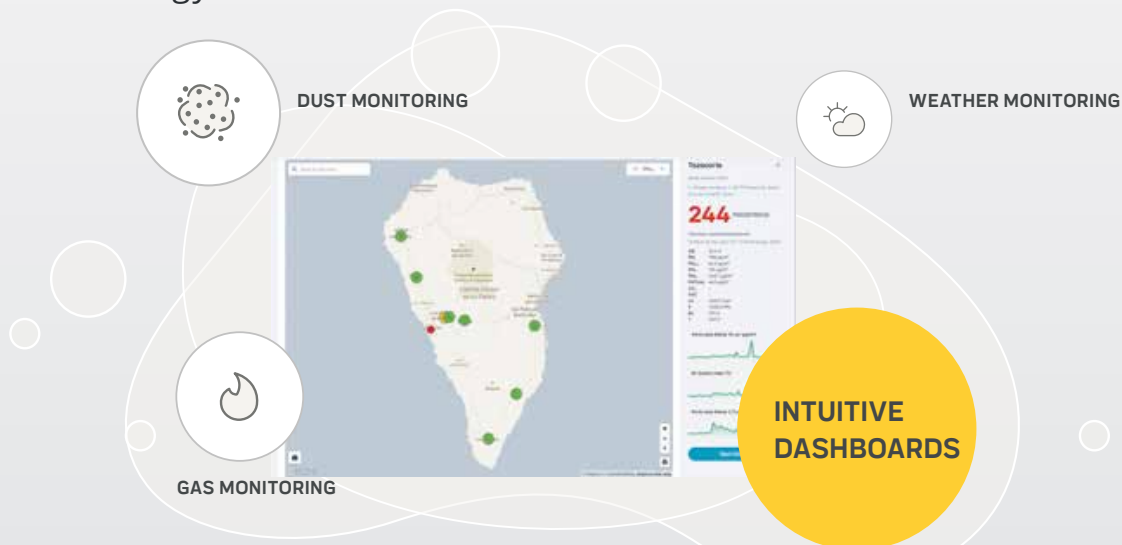
Principle of operation

MyATMOSPHERE combines essential measurement parameters for determining air quality in one platform.

In order to meet the requirements of environmental protection and occupational safety, **dust monitoring** is important. Immissions are reliably recorded to determine dust, particle numbers and sizes.

Gas monitoring systems can also be connected simply and easily via our data platform and integrated into strategic action planning.

With **MyATMOSPHERE** you also get a clear weather monitoring with the appropriate sensor technology.



Technical features

MyATMOSPHERE Cloud basic licence

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, O ₃ , SO ₂ , NO ₂ (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 (AQ Guard and AQ Guard Smart only)
Alarm options	Configurable and customizable with automatic email messaging
Data access	Download option (csv)
Account management	1 User
	On request (chargeable): API interface for easy integration of data into other systems/websites

Special advantages and benefits

YOU PROFIT FROM

- 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 BENEFIT

- Save time and money: no third-party software 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

Our offer for you!

With the purchase of an AQ Guard Smart, you receive the data platform 24 months free of charge*.

Request an online demo

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*For initial device registration prior through 09/30/2022.

Palas® is a leading developer and manufacturer of high precision instruments for the generation, measurement and characterization of particles in air.

With more than 30 active patents, Palas® develops technologically leading and certified fine dust and nanoparticle analyzers, aerosol spectrometers, generators and sensors as well as related systems and software solutions. Palas® was founded in 1983 and employs more than 100 people.

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