

MY ATMOSPHERE

# AIR QUALITY MONITORING SYSTEM

Managing, visualizing and documenting

*Made in Germany*

**DASTECS** S.R.L.

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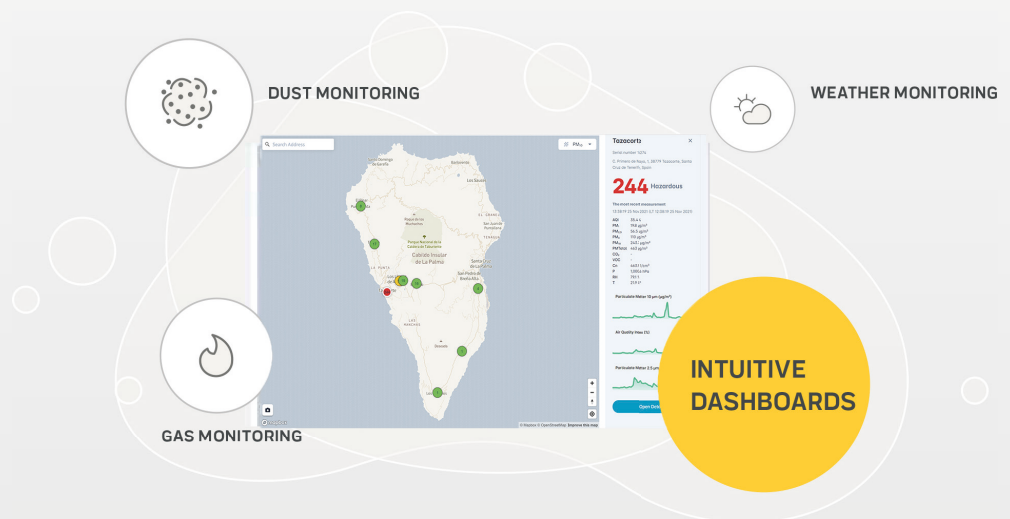
# Air quality at a glance with **MYATMOSPHERE**

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!



# Application examples



**NETWORK WITH ROADS, RAILS & PORTS**



**SMART CITY**



**OPEN PIT MINING & LANDFILLS**



**CONSTRUCTIONS SITES**



**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
- Convenient data export for further analysis based on 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)

Description  
Description

Notify General Contacts  
 Notify Me

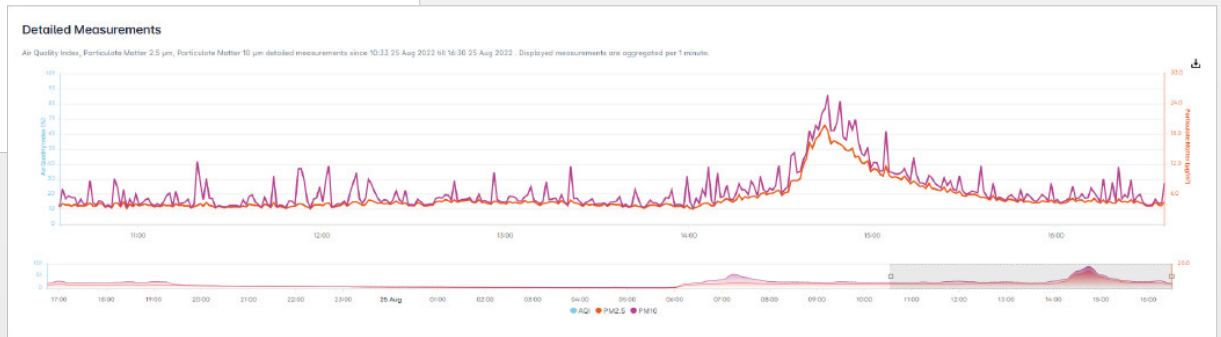
Condition  
 Greater or equal

Activation Threshold \*  
50

Deactivation Threshold \*  
40

Aggregation \*  
Minute

Severity \*  
High ▲



# Technical features

## MyATMOSPHERE Cloud basic licence

Interval of data acquisition	1 minute (moving average selectable)
Parameters	PM <sub>1</sub> , PM <sub>2.5</sub> , PM <sub>4</sub> , PM <sub>10</sub> , PM <sub>total</sub> , C <sub>N</sub> , pressure, temperature, relative humidity optional: CO, CO <sub>2</sub> , TVOC, O <sub>3</sub> , SO <sub>2</sub> , NO <sub>2</sub> (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 (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

## 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

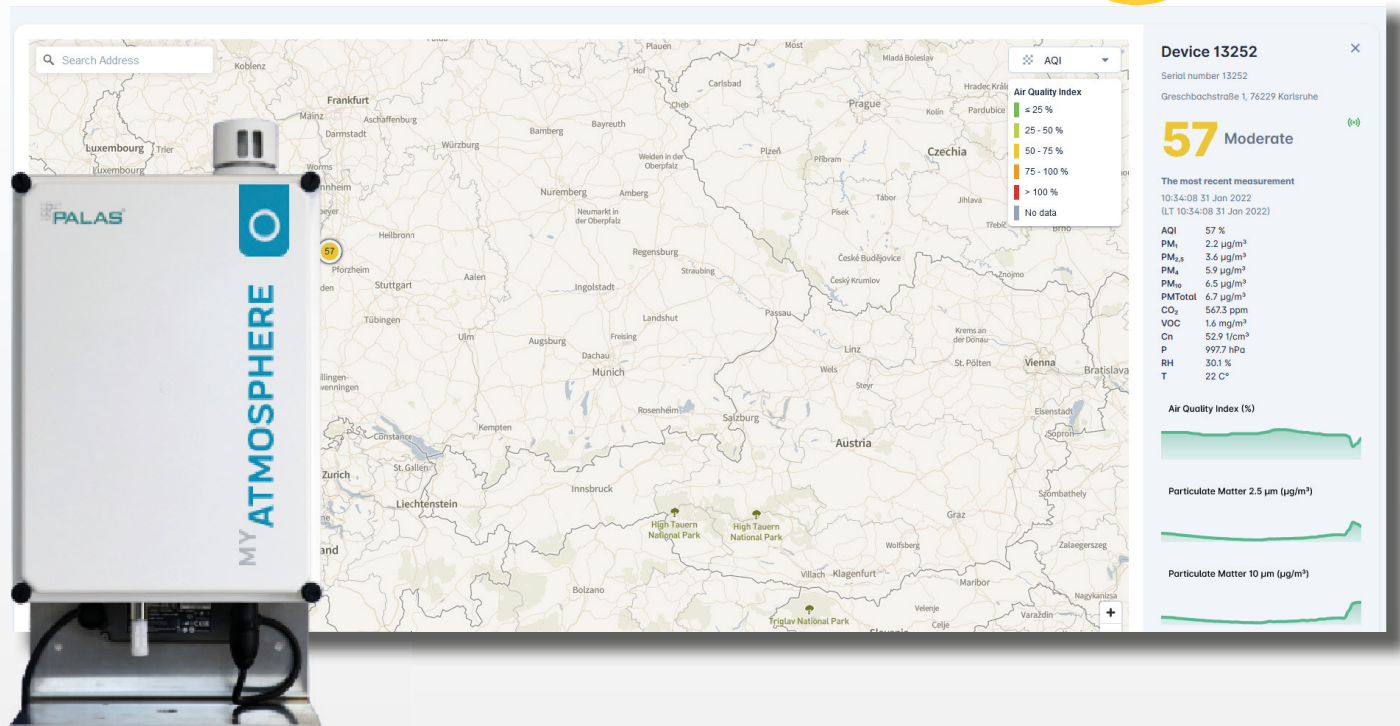
## YOUR BENEFITS

- 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

# Plug in and get started

Our offer for you!

**24 MONTHS FOR FREE\***



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

**INTERESTED?**

Request an online demo

+49 721 96213-0  
mail@palas.de

\*For initial device registration prior through 12/31/2022

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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