

AirQne

Compact Air Quality Monitoring System

Innovation Meets Perfection – Air Quality Monitoring
Next-Level!

SO₂

PM 2.5

BC

CO₂

NO_x

BTX

PM 10

CO

CH₄

O₃



powered by



Ambient Monitoring Solutions
USEPA and EN/TÜV certified



SCAN ME

AirQne Key Features

AirQne is a compact air quality monitoring Station 4.0* designed for maximum efficiency in minimal space. Its innovative design allows for precise environmental monitoring in urban, industrial, and remote locations with minimal infrastructure.

Key Components:

Turn-Key-Solution

Modular configuration

Integrated data manager providing automated data validation

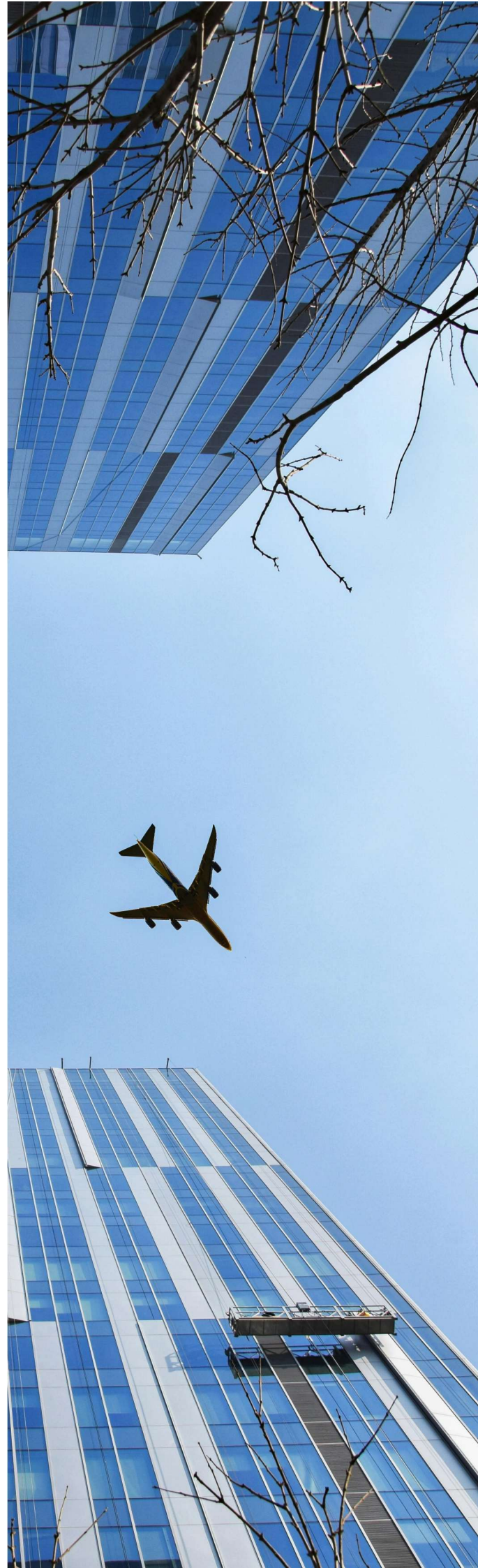
Web browser-data-access

Energy efficient heating and cooling to resist harsh weather conditions (high temperature and humidity)

Designed for easy maintenance supported by integrated software diagnostics

USEPA and EN/TÜV certified

**Industry 4.0, or smart manufacturing, is the digital transformation of production—enabling real-time decisions, greater productivity, and enhanced flexibility in how companies make and deliver products.*



AirQne - not just a size, but a hole new innovation



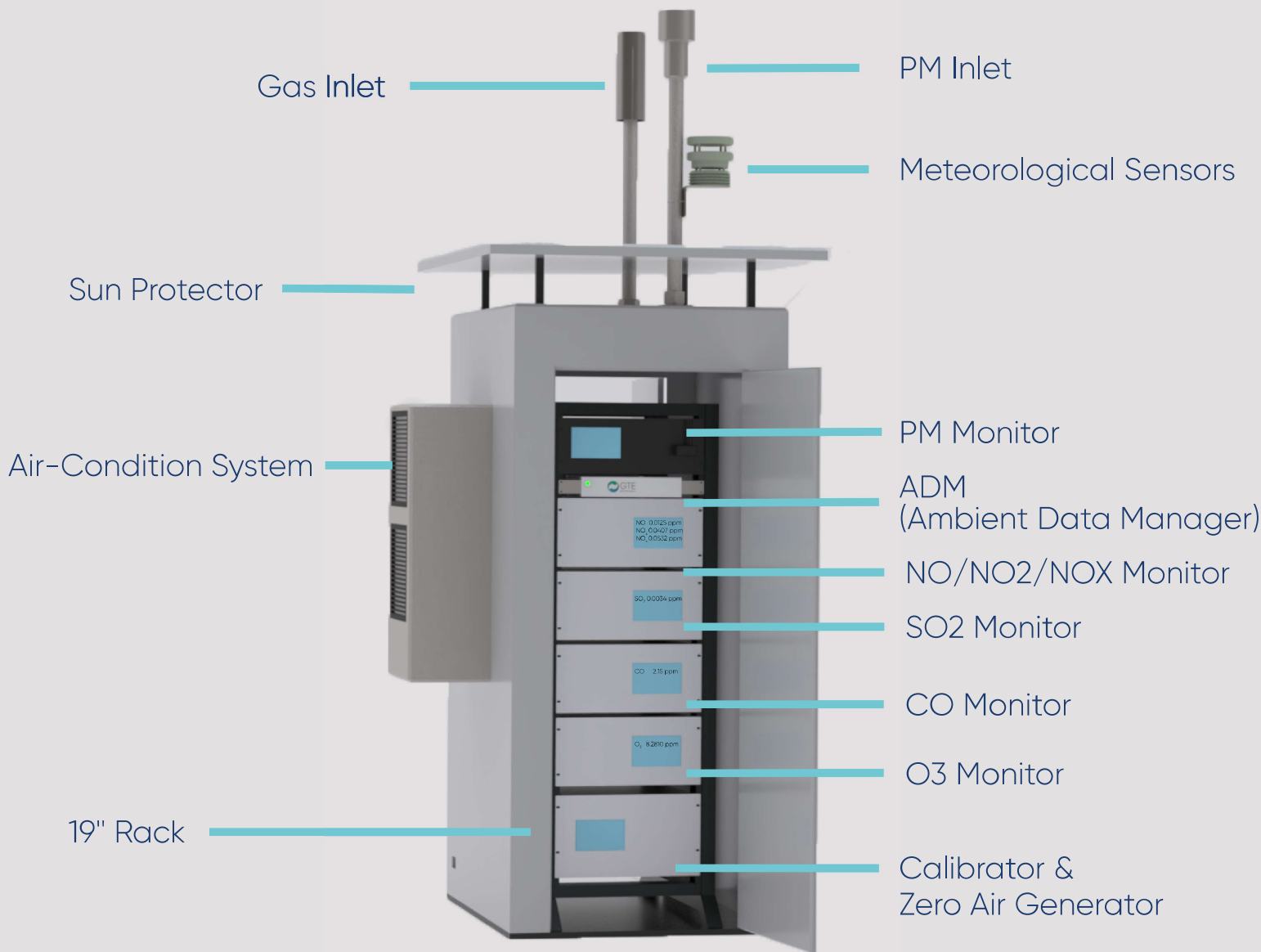
Cabinet: Thermally isolated	Cabinet: Thermally isolated	Cabinet: Thermally isolated
Dimensions: 1000 mm x 800 mm x 1000 mm	Dimensions: 1000 mm x 800 mm x 1800 mm	Dimensions: 1100 mm x 1000 mm x 2200 mm
Gas Analyzers: 2	Gas Analyzer: 5	Gas analyzers: 5+
Doors: 2: front and back	Doors: 2: front and back	Doors: 2: front and back
A/C: 2 kW	A/C: 2 kW	A/C: 2 kW
Gas sampling System incl. Pump	Gas sampling system incl. Pump	Gas sampling system incl. pump
Power Supply: 110/230V 50/60Hz	Power Supply: 110/230V 50/60Hz	Power Supply: 110/230V 50/60Hz
IP 56 protection	IP 56 protection	IP 56 protection
Particulate Analyzer: indicative measurement with exceptional accuracy and reliability	Particulate Analyzer: USEPA and EN certified (ask for availability)	Particulate Analyzer: USEPA and EN certified (ask for availability)

All models equipped with aluminum sunshade for maximum protection & energy efficiency.

- Prevention of device overheating
- Reducing overall power consumption
- Extra protection against environmental factors such as sun, wind, snowfall, rain

The heart of AirQne

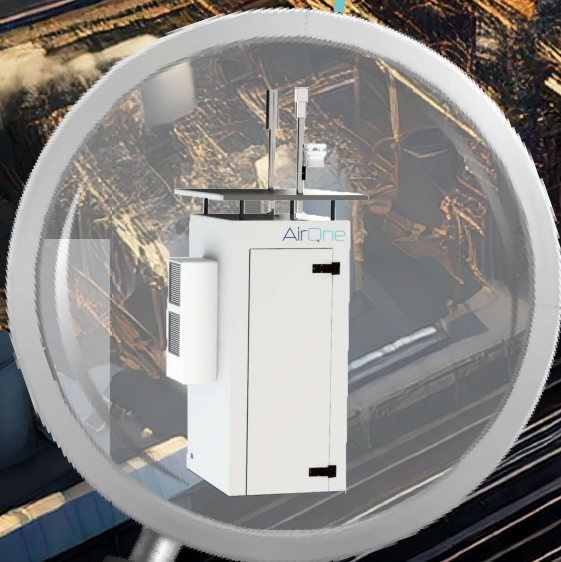
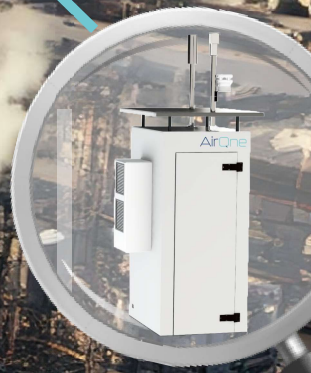
- Compact & Modular Design
- Typ approved PM & Gas Analyzer
- ADM (Ambient Data Manager)
 - + Data Validation
 - + Data Visualization
 - + Data Access via standardized protocols
 - + Optional Central ADM(Monitoring of several AirQnes)
 - + Turn-Key Solution
 - + Additional Monitors for H₂S, NH₃, CO₂, TVOC, NHMC, BTEX, Black Carbon



manufactured according to:

Fenceline Monitoring

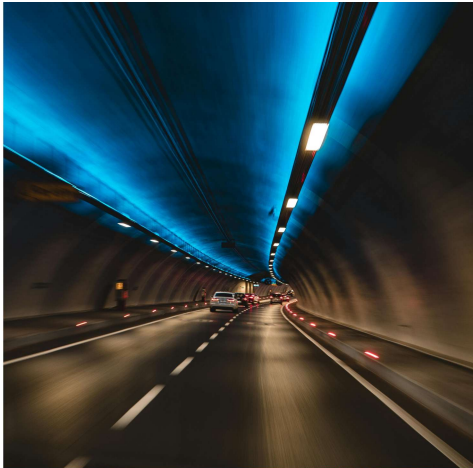
AirOne



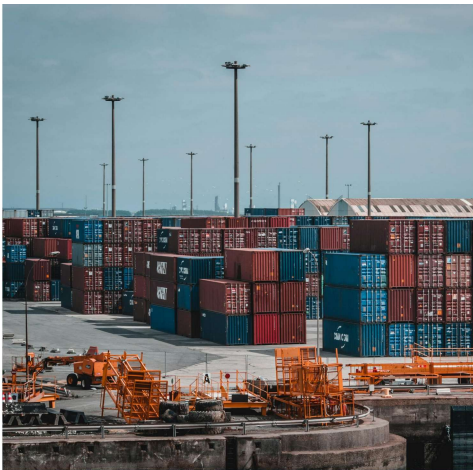
- Continuous Monitoring of fugitive emissions and odour
- Covering the industrial area and all wind directions
- Mobile AQMS for hot spot and campaign measurement
- Real time leak detection
- Typically measured: BTEX, VOCs/ NMHC, SO₂/H₂S, NO_x, CO, CH₄, NH₃, PM10/PM2.5, (BC) Black Carbon.

Smart Cities & Urban Planing

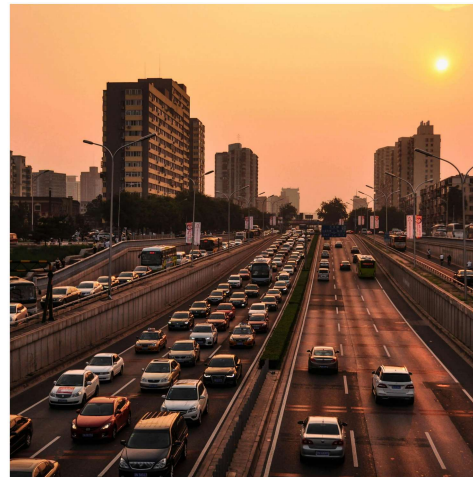
Tunnel parameters: CO, NO_x, PM10 and PM2.5 and BC



Airport: CO, NO_x, SO₂, O₃, PM10 and PM2.5, BTEX and BC



Harbors: NO_x, SO₂, CO₂, PM10 and PM2,5 and BC



City: CO, NO_x, SO₂, O₃, PM10 and PM2.5, BTEX and BC, UFP (research in high-traffic zones)

"If you can't measure it, you can't manage it"

- Peter Drucker (Management consultant and writer)

One System, many benefits

Function

Benefit



Turn key solution

plug and measure



10 times smaller than
regular monitoring
Stations

easy to relocate



Easy Installation

Can be installed with minimal
effort or without the need for
complex setup procedures.



Small Footprint with
High Performance

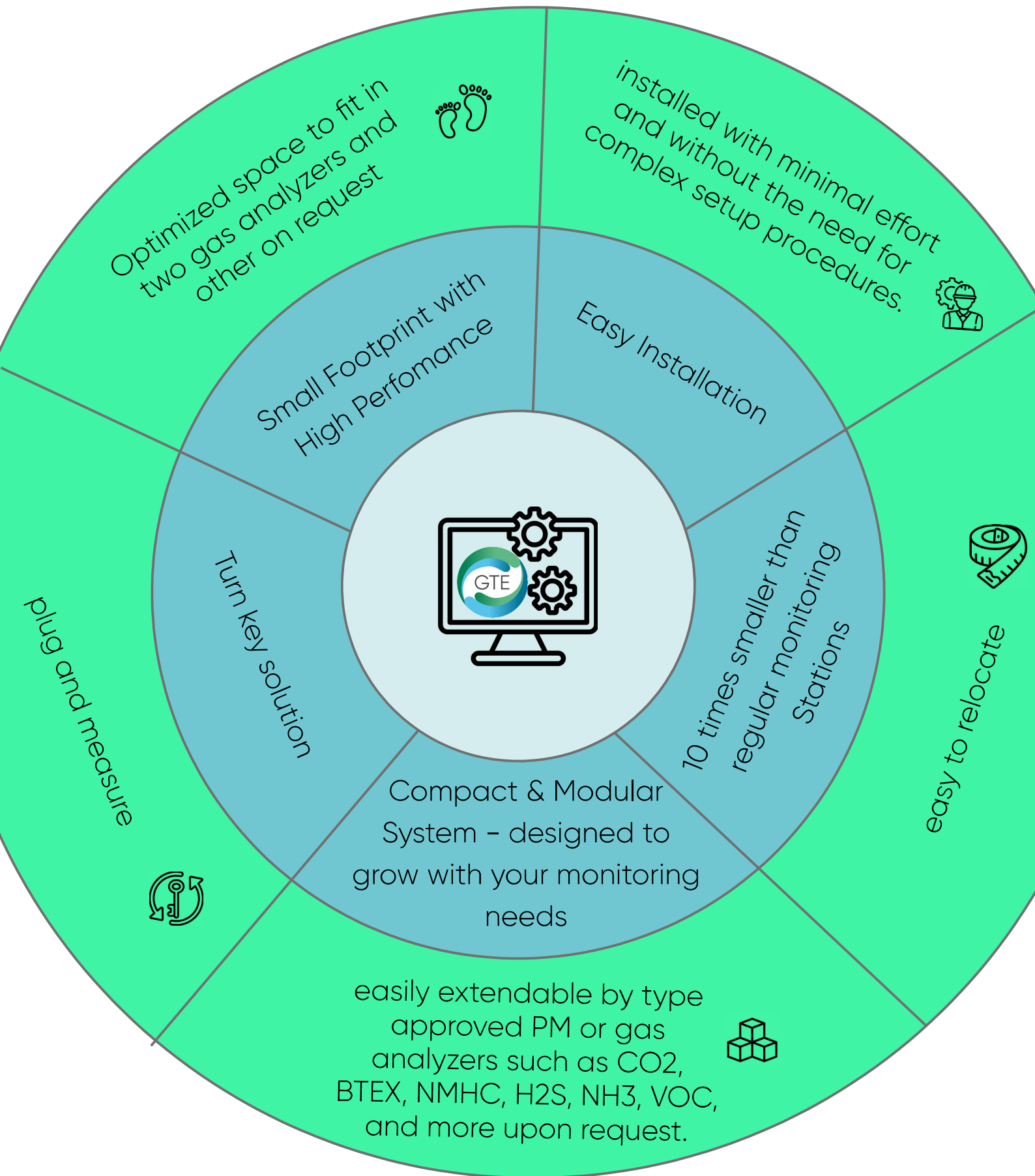
Optimized space to fit in
two gas analyzers and
other on request



Compact & Modular
System - designed to
grow with your monitoring
needs

easily extendable by type
approved PM or gas
analyzers such as CO₂,
BTEX, NMHC, H₂S, NH₃, VOC,
and more upon request.

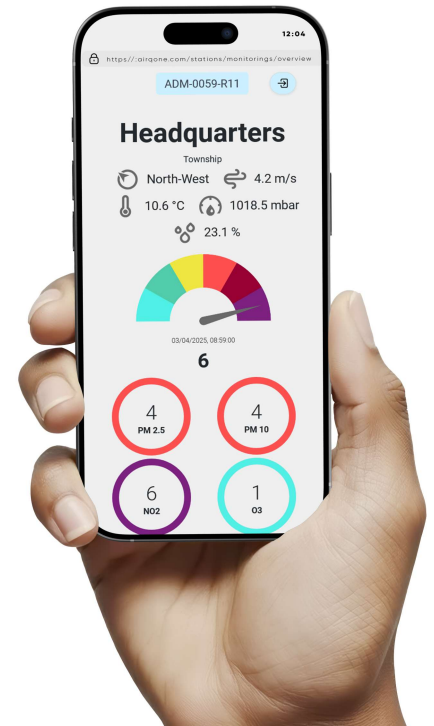
One System, many benefits



Advanced Technology for Smart Monitoring and Certified Performance

Smart Connectivity and Data Handling

- Web browser based data access
- Multi-Protocol Communication
 - ⊕ Supports MODBUS, RS232, RS485, LAN and Ethernet for seamless integration



Temperature Controlled Unit

- Weatherproof Enclosure: IP 56 for outdoor deployment, resistant to dust, humidity and high temperatures
- Energy-Efficient Heating and Cooling:
 - ⊕ Optimized AC and Ventilation System to ensure performance during extreme temperatures

International Standards

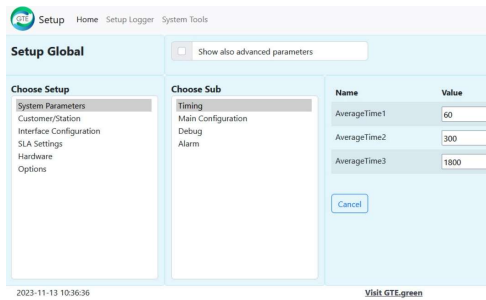
- USEPA and EN/TÜV certified

US EPA
APPROVED



QAL1 Certified

AirQne Interface

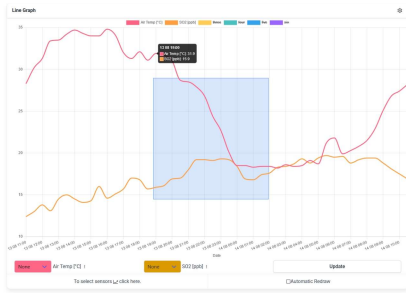
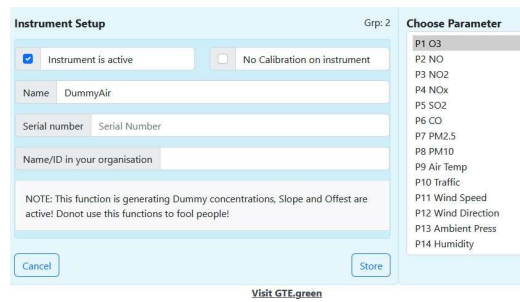


SETUP

Setup is used for settings in general. You can choose the brand, instrument COM port or you can also simply choose LAN, IP depending on the instrument.

CONFIGURATION

Add new analyzer with just two clicks. All major brand ambient air measuring instruments are predefined and can be configured with only a few clicks.



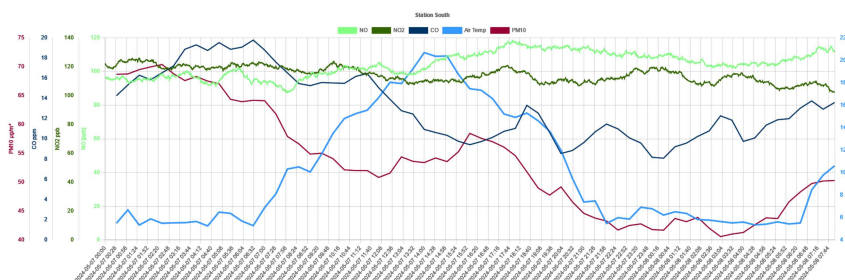
MEASUREMENT DATA DISPLAYED IN A TIME DIAGRAM

One to six parameters are displayed in a clearly arranged graphic. Zoom function allows to have a detailed viewing.

REPORTS ON REQUEST

Reports can also be generated for special needs on request. They may be defined and automatically created. The results can be converted into pdf and excel files such as csv, xml.

POLLUTANT 1 Ozone		
PARAMETER 1 O3		
Arithmetical Avg 1h	20231113 09:00:00 - 20231113 10:00:00	-
Arithmetical Avg 8h	20231113 00:00:00 - 20231113 08:00:00	-
POLLUTANT 2 Particulate Matter		
PARAMETER 1 PM2.5		
Arithmetical Avg 1days	20231112 00:00:00 - 20231113 00:00:00	6
PARAMETER 2 PM10		
Arithmetical Avg 1days	20231112 00:00:00 - 20231113 00:00:00	8
POLLUTANT 3 Carbon Monoxide		
PARAMETER 1 CO		
Arithmetical Avg 8h	20231113 00:00:00 - 20231113 08:00:00	2
POLLUTANT 4 Sulfur Dioxide		
PARAMETER 1 SO2		
Arithmetical Avg 1h	20231113 09:00:00 - 20231113 10:00:00	0



GRAPH DESIGN

For the purpose of clarity, you may present the measurement data in different forms and various colors, e.g. as a line, a filled line, a step or a bar diagram.



"Committed to quality and sustainability, for the future of generations"
- Martin Schubert
CEO

Decades of Expertise in one Team of Chemists, Physicists, IT professionals, Electronics & Mechanics.



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