

meo® air analytics believes that accurate environmental data sourced from a grid of locations is the best way to understand, and to take localized relevant and sustainable actions to fight air pollution.

meo® air analytics platform is based on:

- meo plus monitors, deployed as a grid throughout each floor of the buildings, to measure various environmental conditions / pollutants.
- Services, of collecting and analyzing environmental data to provide advice through dedicated private Cloud dashboard, along with historical and real-time information.

## meo plus monitors | Sensing the environment

meo plus monitors measure 7 parameters for a true profile of the air quality:

| Parameter         | Technology      | Range                      | Accuracy                |
|-------------------|-----------------|----------------------------|-------------------------|
| PM <sub>2.5</sub> | Laser           | 0 to 500 µg/m <sup>3</sup> | +/- 1 µg/m <sup>3</sup> |
| PM <sub>10</sub>  | Laser           | 0 to 500 µg/m <sup>3</sup> | +/- 1 µg/m <sup>3</sup> |
| PM <sub>1</sub>   | Laser           | 0 to 500 µg/m <sup>3</sup> | +/- 1 µg/m <sup>3</sup> |
| tVOC (*)          | Electrochemical | 0 to 5 000 ppb             | +/- 80 ppb              |
| CO <sub>2</sub>   | NDIR            | 0 to 10 000 ppm            | +/- 50 ppm              |
| Temperature       | /               | -40 to 120 °C              | +/- 0.1 °C              |
| Humidity          | /               | 0 to 100 %                 | +/- 0.5 %               |

(\*) tVOC (total Volatile Organic Compounds) sensor measures more than 15 gasses, of which: formaldehyde, toluene, benzene and methane...

## meo plus monitors | Using ARM architecture

meo plus monitors are based on ARM architecture for the main processing unit, controlling all sensors, Bluetooth and Wi-Fi communications. They run on Cortex-M4 chip.

They also embark dedicated hardware to ensure connectivity via:

- Bluetooth Low Energy, 4.0 and higher, and
- Wi-Fi connectivity 802.11 b/g/n 2.4 GHz, WPA/WPA2 password security

## meo plus monitors | Installing as “Plug & Play”

- meo plus monitors require stable 5V / 2A power supply. Please use the provided cable and adapter which have been specially rated for the meo plus monitors.

- meo plus monitor need stable Wi-Fi connectivity to send data to dedicated cloud
- meo plus monitor can be used outdoor, subject to being protected from rain and excess dust (typhoon, sandstorm...)

## Services | Collecting data

- Data is stored in dedicated clouds in Belgium, Europe
- Each monitor sends data to the cloud at least every 2.5 minutes through Wi-Fi

## Services | Analysing & Rendering

There are 2 easy ways to access all 6 parameters measured, be it in real-time or historically:

- website via app.meo.life for customer dedicated dashboard
- integration through JSON Web API: simple connection and queries capability

## Services | Advising for Workplace Wellness

meo® air analytics is designed for Corporates willing to understand their environment, monitor air quality in their workspace (office, schools, hotels, hospitals, shopping centres ...) improve wellness and achieve higher productivity in their premises, as well as reduce their carbon footprint, typically through efficient use of HVAC systems.

Some of the features of meo's platform include:

- ✓ Actionable advice to improve air quality in a cost-effective way
- ✓ Accuracy confirmed by AirParif, and HKU Science Department
- ✓ 24/7 monitoring, without human interaction or oversight
- ✓ Cost effective, 1/100<sup>th</sup> the cost of TEOM+FDMS systems
- ✓ Installation & Maintenance <sup>(\*\*)</sup> included, as part of our services
- ✓ Compact <sup>(\*\*\*)</sup> and minimalistic design able to be installed anywhere
- ✓ Privacy with European clouds: no CLOUD Act USA, no China cloud policy
- ✓ NO hidden fees, NO extra servers required, NO proprietary communication protocol to develop: it works right away.

- ✓ JSON Web API, to access all data without any browser or App
- ✓ Multi-sites and Grid Management of multiple meo plus monitor
- ✓ Granularity of reporting and alerts levels

<sup>(\*\*)</sup> in designated regions

<sup>(\*\*\*)</sup> 8.8 x 8.8 x 8.8 (cm) | 162 g