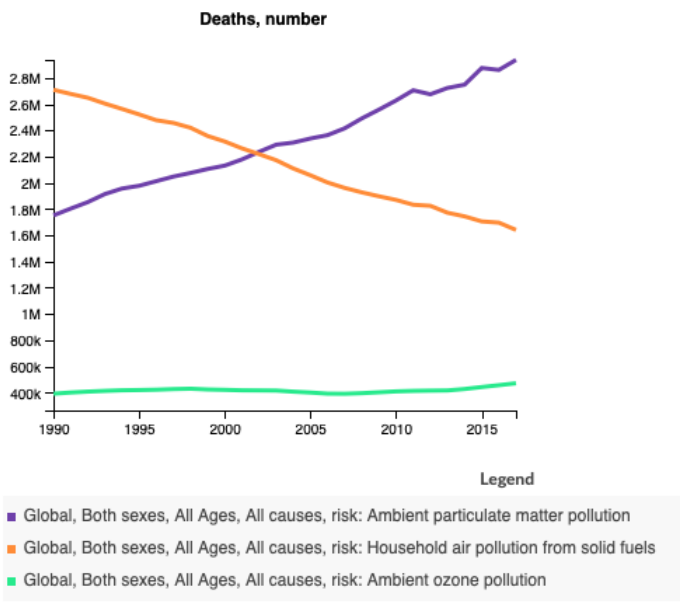
Monitoring IAQ is good for your business

There is now an undisputable epidemiological evidence that exposure to air pollutants may cause death or disabilities due mainly to cardiovascular and respiratory diseases. The three air pollution risk factors for which a cause / response relationship has been proven are:

- particulate matter in ambient air
- particulate matter from fuel combustion in indoor air
- ozone in ambient air

Exposure to particulate matter in ambient air has proven to be responsible for 2.9 million premature deaths per year in 2017, whereas additional 471,8 K deaths are attributed to ozone in ambient air. Indoor air is 2 to 5 and in some cases 100 times more polluted than outdoor air and is responsible for an additional 1.64 million deaths per year.



What we monitor

- Fine particles (PM 10, PM2.5, PM1)
- Combustion products (BC, CO, SO2)
- Ozone (O3), Nitrogen Oxides (NOx)
- CO2, carcinogen VOCs, humidity
- Differential Pressure, temperature
- Hydrogen Peroxide

Cost of air pollution

Bad Indoor Air Quality (IAQ) costs the American economy 17-26 bn $ per year
A building's mold rehabilitation cost is 100 times bigger than the cost of prevention

Health Benefits

- Reduction of hospitalisation cost
- Protection of vulnerable health groups:

Industry/Workplace Benefits

- Legal requirement to measure air pollution!
- Protection of product
- Protection of Personnel
- Assessment of sterilisation procedures

Business Benefits

- Reduction of absentism
- Increase of productivity
- Reduced likelihood of litigation

Facility management Benefits

- Increase of valorisation of property, rentals.
- reduction of cost and maintenance downtime
- Energy savings

Innosense Informatics Innovative Services and Applications in Computer Engineering and Telematics.
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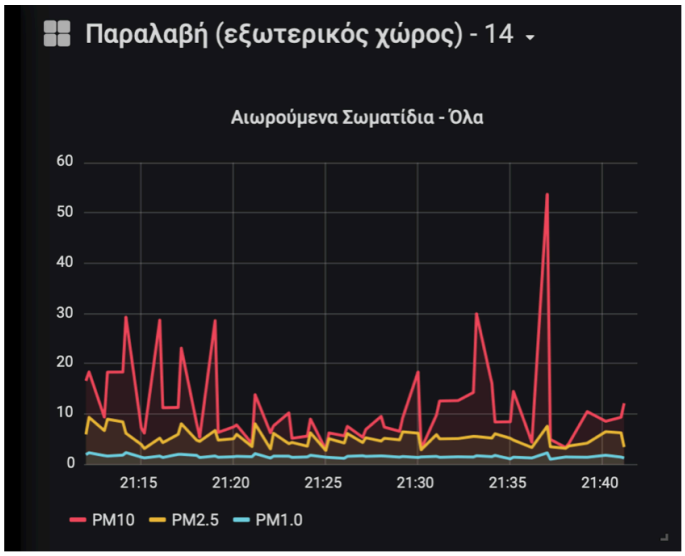
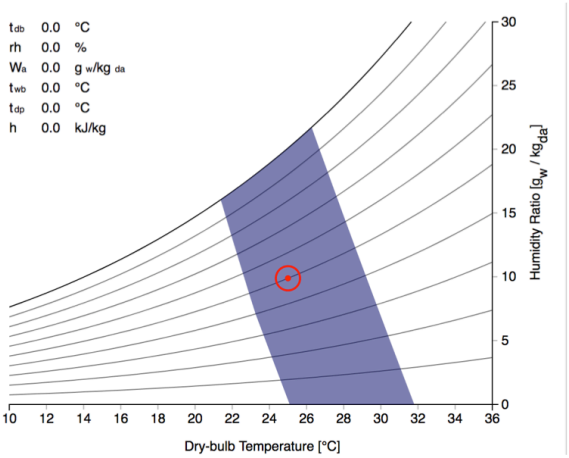


High-end product

Siba's value proposition is founded on three years of research and development in reliable sensing using low-cost sensor technology. High end, pre-calibrated sensors, capability of calibration in certified laboratories, custom electronics, proprietary indexes, embedded software, mobile app and web services development are underpinned by expert knowledge in sensor networks and middleware, environmental engineering, signal processing and management.

Awareness Interpretation Action



Features

Real time processing
Alerts / Actuation
Standards compliance
Energy savings
Communication

Pricing

MVP Standalone - T(C), RH(%), CO2
IAQ indoors - T(C), RH(%), VOCs, CO2, CO, PMs
OAQ outdoors - T(C), Ozone, NO2, NO, SO2,PM
PM - T(C), RH(%), PM1, PM2.5, PM10
DP - T(C), RH(%), DP

Services

Visualisation indexes
Exposure estimates
Calibration
App Development
Web Analytics

HPO - RH(%), H2O2

Communication

Stand alone mode or **connected to the cloud,** using the Internet **(WiFi, 4G)** or **BLE, Zigbee LoraWan.**

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