

Smart Lighting

Sniffer

Product sheet



Sustainer Sniffer

Product information

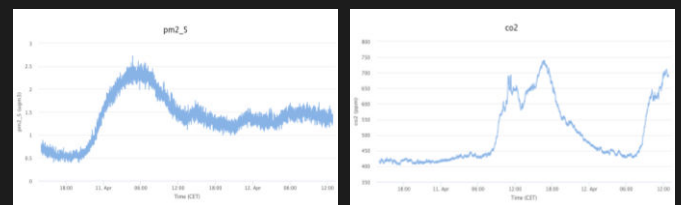
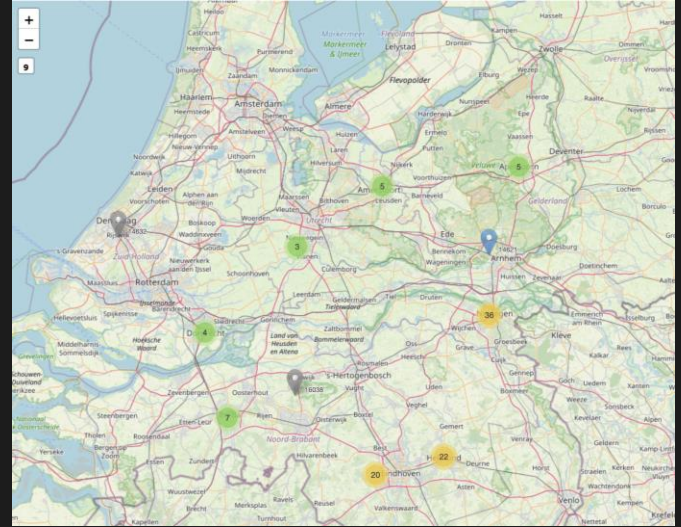
Solution

The integrated Air Quality sensors in the luminaires of Sustainer are an affordable solution to get insight in the local air quality in your city.

Sustainer collaborates with INTEMO and the Dutch government institute RIVM to select the best sensors for this application. By installing the sensors in the public lighting network on several locations, an accurate image of the air quality in a large area can be obtained.

By re-using the public lighting network for the installation of sensors the total cost of installation and maintenance can be reduced significantly, making this a very cost-effective solution for air quality measurements.

The module also contains a chargeable battery, enabling the sensor to continue measurements if the luminaire is not powered, i.e. no 24/7 power is needed for this solution.



Access to the INTEMO Josene platform is included.

Standard Measurements

- Particulate Matter $PM_{2.5}$ ($\mu\text{g}/\text{m}^3$)
- Particulate Matter PM_{10} ($\mu\text{g}/\text{m}^3$)
- CO_2 (ppm)
- Temperature ($^{\circ}\text{C}$)
- Relative Humidity (%RH)
- Air Pressure (hPA)

Optional Measurements

Due to the solution's modular architecture, it is possible to add up to two optional sensors:

- Ultra fine Particulate Matter PM_1 ($\mu\text{g}/\text{m}^3$)
- NO_2 (ppb)

Benefits



Integrated, discrete solution



Wireless LTE-M solution



Swappable solution



Battery for 1 day

Sustainer Sniffer

Technical specifications

Particulate Matter PM₁² / PM_{2.5} / PM₁₀

Measurement range 0 .. 999.9 µg/m³

Temperature¹

Measurement range -40 .. 85 °C

Relative Humidity

Measurement range 0 .. 60 °C 0 .. 100 %RH

Measurement range -40 .. 0 °C 0 .. 68 %RH

Measurement range 60 .. 85 °C 0 .. 88 %RH

Air Pressure

Measurement range 500 .. 1100 hPA

CO₂

Measurement range 400 .. 5000 ppm

NO₂²

Measurement range 0 .. 2000 ppb

¹Measured inside the module. If the luminaire is powered this means that the measured temperature will be higher than the ambient temperature.

²Optional.

Specifications may change and should be treated as an indication only. You are welcome to contact us about your needs.

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