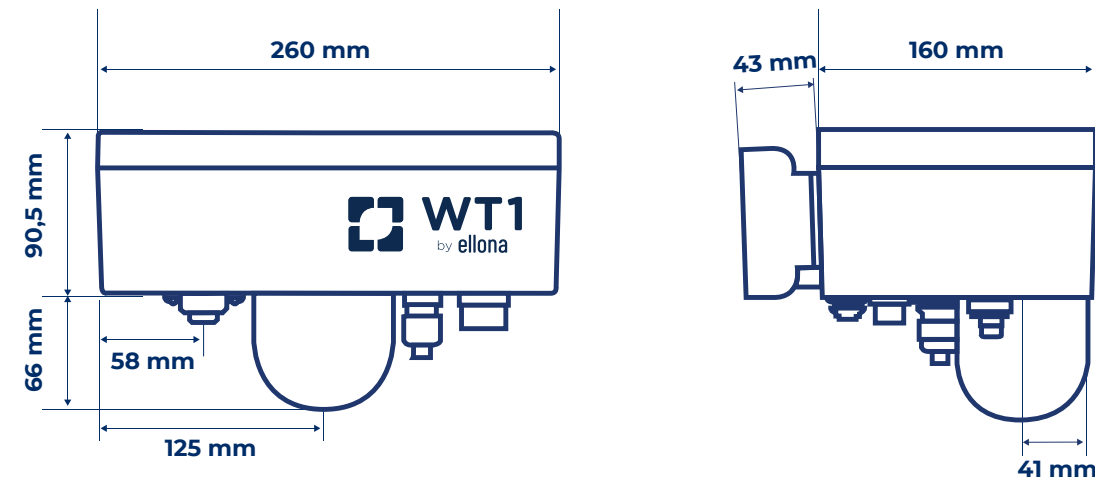


# Technical specifications and options



- 4 metal oxide (MOX) gas sensors for odors and VOCs
- 6 electrochemical gas sensors: H<sub>2</sub>S, NH<sub>3</sub>, NO<sub>2</sub>... (from a 15+ gas list)
- 1 double-membrane PID sensor: VOCs (BTX, alkanes, etc.)
- 1 double-band optical sensor (2 optical sensors if PID not used): CO<sub>2</sub>, CH<sub>4</sub>, NO<sub>2</sub>
- 1 PM optical sensor: PM1-2.5-10 (from a list of 2 sensors: one specialized in size and concentration and one specialized in fingerprinting<sup>(1)</sup>)
- Temperature, relative humidity, noise and atmospheric pressure sensors
- Soil and liquids sensors on demand (4-20mA)
- Software in SaaS mode
- IP 54 housing
- 110-240V AC – 12V DC Power adapter
- 12V DC input, PoE or a 12-V battery plus solar panel
- LTE-M/GPRS<sup>(2)</sup>, Wi-Fi, Ethernet communication
- Built-in GNSS (GPS, Galileo, Beidou, Glonass)
- Data logger with up to 2 years of data storage in case of communication failure
- Over the air configuration upgrade
- Operating temperature range: -30°C / + 60°C (-86° F/+140 ° F)<sup>(3)</sup>
- Weight: 3 kg (6.61 lbs.)

(1) For construction sites only and on demand.

(2) Used as LTE-M fallback

(3) Note that extreme temperature and humidity impact proper operation of the sensors



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Version V1 - 12/21



**WT1** V1.3

Effective control of your operations' environmental impact

Turnkey solutions for monitoring and identifying sources of nuisances and pollutants in outdoor environments

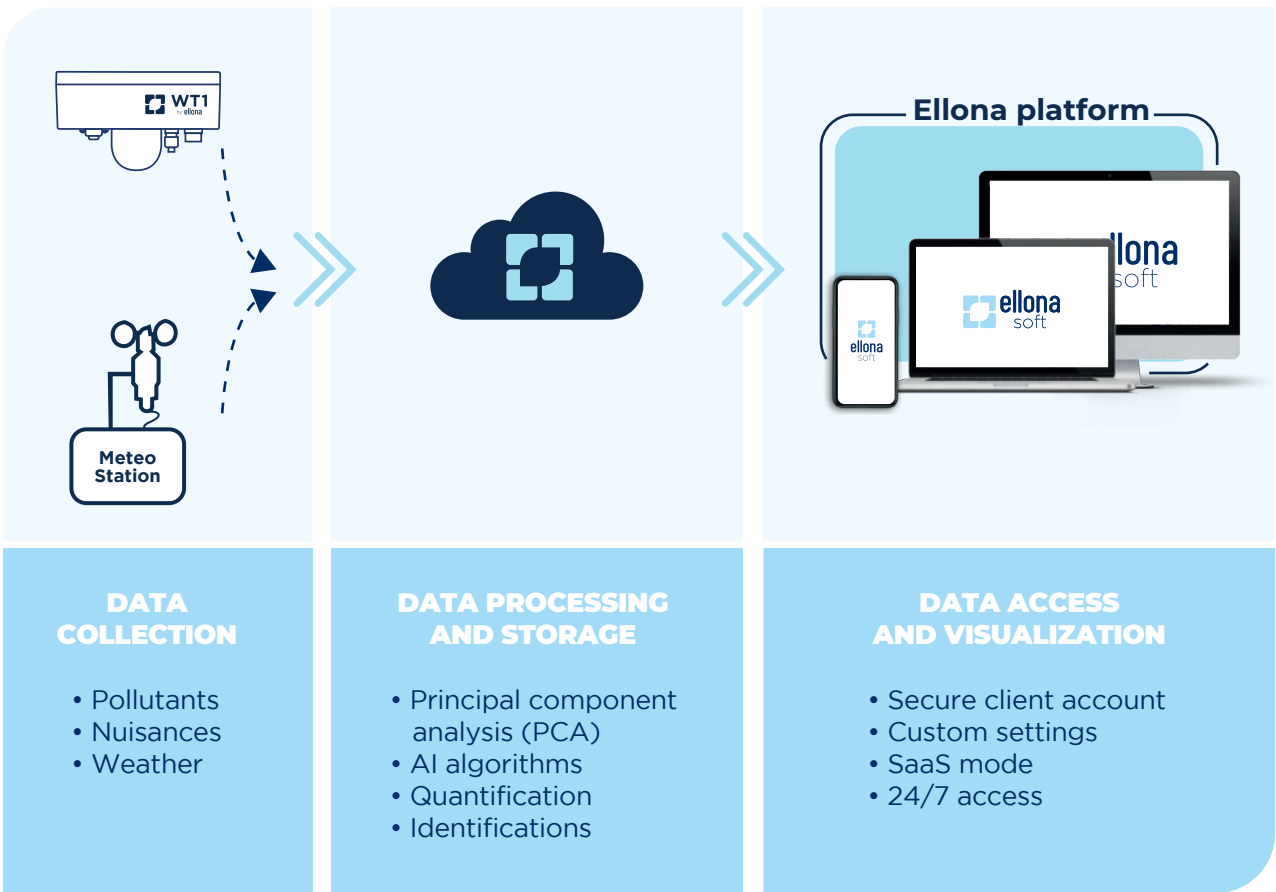


# Situational and Environmental Intelligence

WT 1 is a system that monitors outdoor environments quality at the source of emissions and at the fence line, of a site and in the neighborhood with:

- 24/7 real time readings of gas concentrations (up to 7 different gases), and volatile organic compounds (VOCs)
- Odor measurement and identification (possible correlation with Dynamic Olfactometry campaigns - EN 13725/ASTM679)
- Quantification and identification of particles
- Intensity and identification of noises
- Real-time alerts (configurable thresholds) with notifications (sms, email, etc.)
- Automated process activation (sampling, misting systems, ventilation, etc.)
- Integrates input from the community thanks to the devices' unique QR codes.

## How it works



# Main application fields



## The only scalable and customizable solution on the market

<ul style="list-style-type: none"><li>• Air quality</li><li>• VOCs</li></ul>	<ul style="list-style-type: none"><li>• <b>Up to 7</b> different gases simultaneously</li></ul>	<ul style="list-style-type: none"><li>• Odors</li><li>• Intensity (OU)</li><li>• Identification</li></ul>	<ul style="list-style-type: none"><li>• <b>PM 1 µm</b></li><li>• <b>PM 2,5 µm</b></li><li>• <b>PM 10 µm</b></li></ul>
<ul style="list-style-type: none"><li>• Noise</li><li>• Intensity (dBA)</li><li>• Identification</li></ul>	<ul style="list-style-type: none"><li>• Turbidity</li><li>• pH</li><li>• O<sub>2</sub> dissolve</li><li>• NKP (soil)</li></ul>	<ul style="list-style-type: none"><li>• Dispersion plume</li><li>• Impact on the neighborhood</li></ul>	<ul style="list-style-type: none"><li>• Human perceptions (subjective feedback)</li><li>• Customizable multi-parameter survey</li></ul>