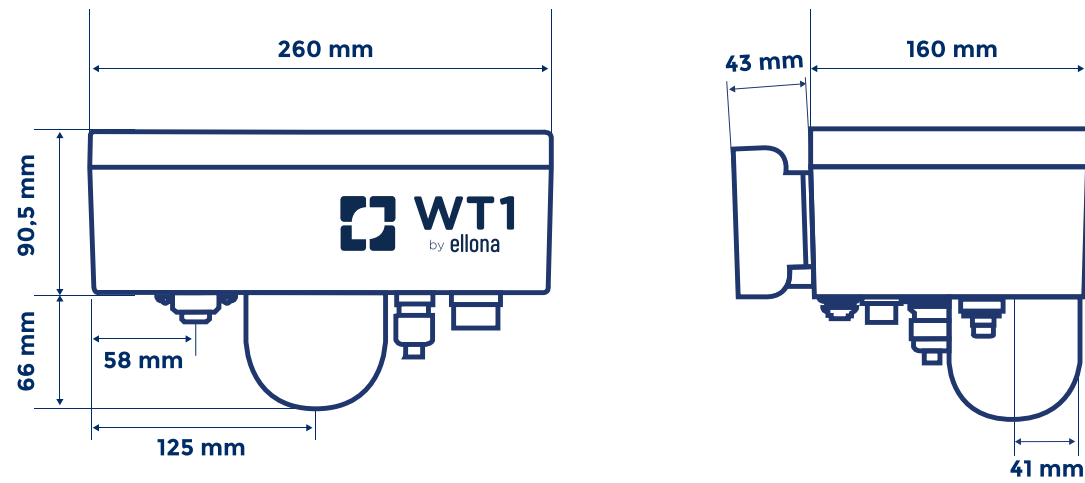


# Technical specifications and options



- 4 metal oxide (MOX) gas sensors for smells
- 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: BTX and alkanes
- 1 double-band optical sensor (2 optical sensors if PID not used): CO<sub>2</sub>, CH<sub>4</sub>
- 1 PM optical sensor: PM<sub>1-2.5-10</sub> (from a list of 2 sensors: one specialized in size and concentration and one specialized in type fingerprinting<sup>(1)</sup>)
- Temperature, humidity, noise and atmospheric pressure sensors
- Soil and liquid 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 solar panel battery (option)
- 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



## WT1 v1.3

Operations depend on an effective environmental impact control

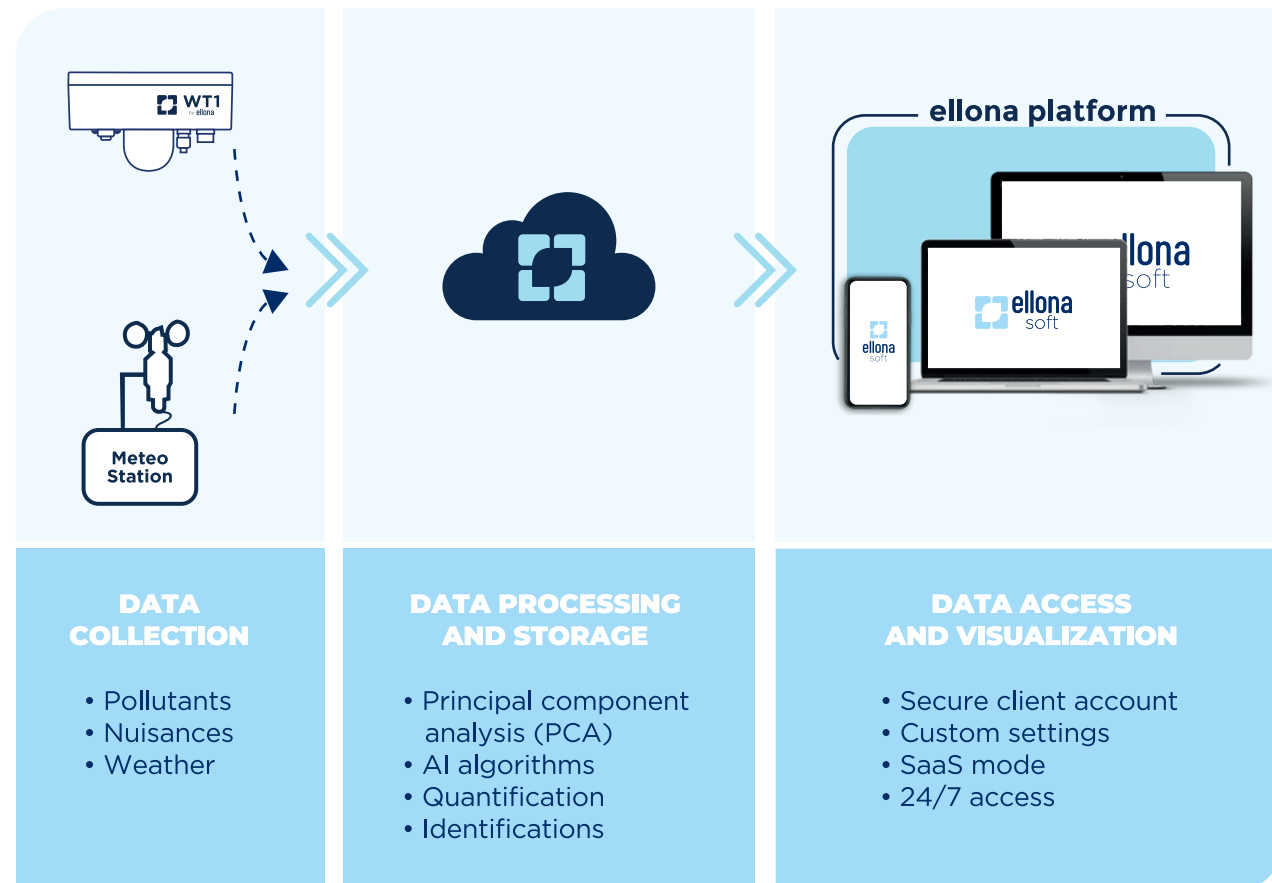
Turnkey system for monitoring and identifying sources of nuisances and pollutants in outdoor air

# Environmental Intelligence

WT 1 is a system that monitors outdoor air quality at the source of emissions and on the fence line, 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 - EN 13725)
- 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>• 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>