

# Smarter business

## Product overview



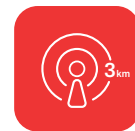
Indoor and outdoor  
monitoring solutions



Up to 10-year  
sensor battery life



Wireless monitoring  
for ultimate flexibility



Line-of-sight range  
up to 3 km / 1.9 miles



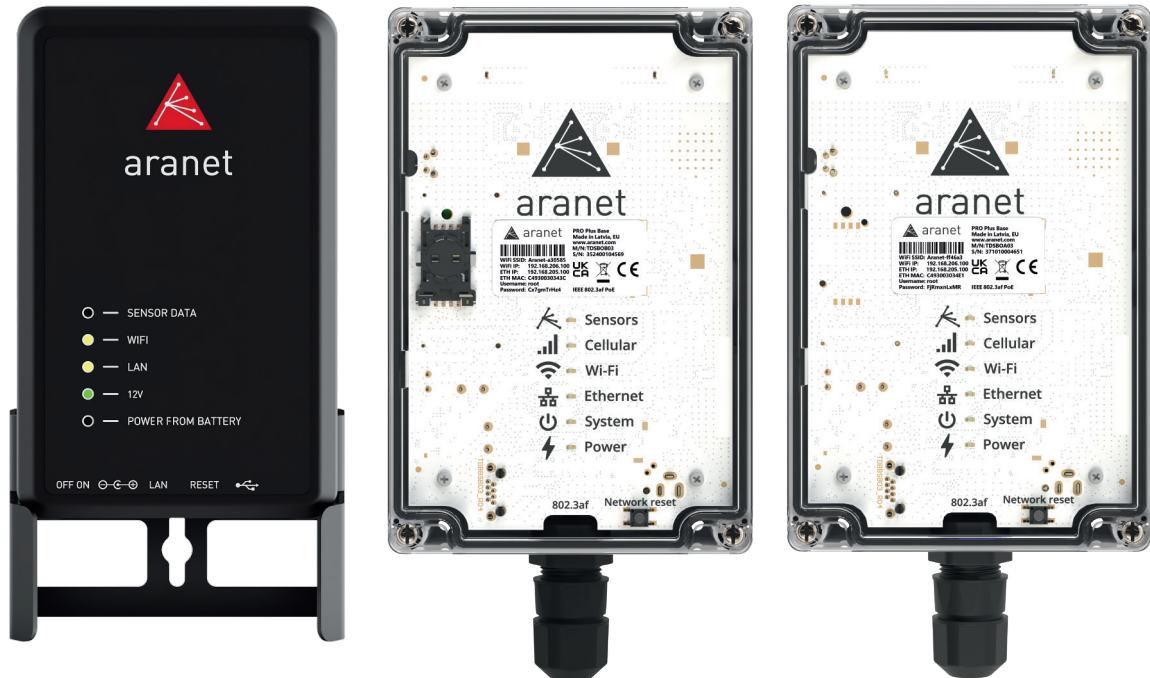
Aranet Cloud  
service



Up to 100 sensors  
per base station

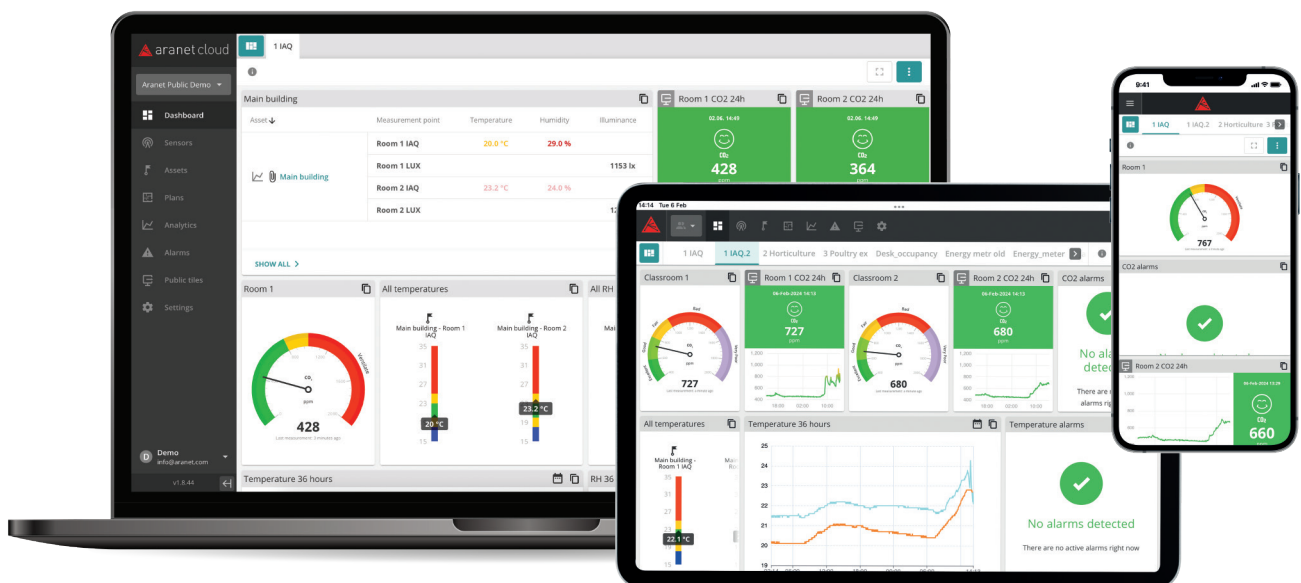
# PRO / PRO Plus base station

An industrial-grade wireless environmental monitoring solution. It has internal memory and a built-in web server with free software for easy viewing, analyzing, and comparing data in real-time, as well as for setting thresholds for alarms and exporting reports. The base station gathers readings from wireless sensors within the range of **up to 3 km / 1.9 mi**. Available for indoor or outdoor environment, with or without LTE modem. Connect base station to Aranet Cloud for full Aranet ecosystem experience.



## Aranet Cloud

Aranet Cloud gathers the data from base stations and enables 24/7 uninterrupted and secure centralized data monitoring and analysis across all the monitored locations, regardless of whether it's a single venue or multiple geographically distributed locations.



- Choose how to view your data
- Remotely manage all Aranet devices
- Adaptable to your business needs
- Smart and effective alerting
- Simple integration with 3<sup>rd</sup> party systems
- Share your data publicly

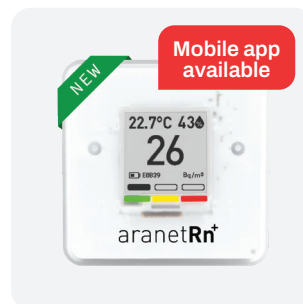
# Indoor air quality sensors

Designed to optimize indoor air quality for healthier living and working environments. CO<sub>2</sub> sensors use NDIR technology for precise detection, while PM sensors track PM1.0, PM2.5, and PM10. The Radon Plus features the world's fastest battery-operated radon sensor!



## Aranet4 HOME / PRO

CO<sub>2</sub>: 0-9999 ppm  
Temperature:  
0 °C - 50 °C  
32 °F to 122 °F  
Relative humidity: 0 % to 85 %  
Atmospheric pressure:  
600 - 1100 hPa  
Battery life up to: 3 years  
IP class: IP20



## Radon Plus HOME / PRO

Radon: 0-4000 Bq/m<sup>3</sup>  
Temperature:  
0 °C - 50 °C  
32 °F to 122 °F  
Relative humidity: 0 % to 85 %  
Atmospheric pressure:  
600 - 1100 hPa  
Battery life up to: 10 years  
IP Class: IP20



## PM sensor

Particulate matter measurement  
PM1.0, PM2.5, PM10  
Measurement range:  
0 - 1000 µg/m<sup>3</sup>  
Power source:  
External power supply  
IP class: IP42



## Aranet2 HOME / PRO

Temperature:  
0 °C - 50 °C  
32 °F to 122 °F  
Relative humidity: 0 % to 85 %  
Battery life up to: 3 years  
IP class: IP20

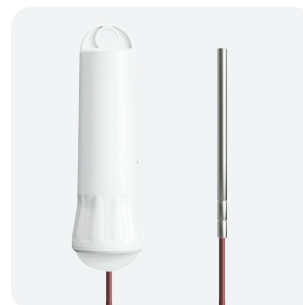
# Temperature sensors

Measure and monitor air, liquid, and solid surface temperature. The probe can be placed in liquids or places that require close contact temperature measurements, like heating pipes or soil. Use cases include air conditioning and ventilation systems (HVAC), food industry, pharmaceutical industry, R&D laboratories.



## T probe

Temperature:  
-55 °C to 105 °C  
-67 °F to +221 °F  
Battery life up to: 10 years  
IP class: IP68



## PT100 sensor

Temperature:  
-50 °C to 180 °C  
-58 °F to 356 °F  
Battery life up to: 12 years  
IP class: IP68



## PT1000 4-Probe Temperature Sensor

Measures temperature simultaneously with four platinum resistance thermometer probes.  
Temperature:  
-30 °C to 180 °C  
-22 °F to 356 °F  
Battery life up to: 10 years  
IP class: IP65



## T Compact sensor

Temperature:  
-40 °C to 60 °C  
-40 °F to 140 °F  
Battery life up to: 8 years  
IP class: IP68

# T/RH sensors

T/RH sensors measure temperature and relative humidity. Aranet sensors are extremely durable and can be placed in both inside and outside environments as well as humid locations.



## T/RH IP42

**Temperature:**  
-40 °C to 60 °C  
-40 °F to 140 °F  
**Relative humidity:** 0 % to 100 %  
**Battery life up to:** 10 years  
**IP class:** IP42



## T/RH IP67

**Temperature:**  
-40 °C to 60 °C  
-40 °F to 140 °F  
**Relative humidity:** 0 % to 100 %  
**Battery life up to:** 10 years  
**IP class:** IP67

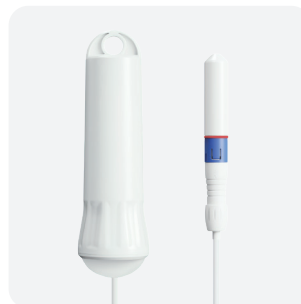
# T/RH probes

Provide very accurate temperature and relative humidity measurements. Perfectly suitable also for harsh environments.



## T/RH probe

**Temperature:**  
-40 °C to 85 °C  
-40 °F to 185 °F  
**Relative humidity:** 0-100 %  
**Battery life up to:** 10 years  
**IP class:** IP67



## T/RH probe (NH<sub>3</sub> resistant)

**Temperature:**  
-40 °C to 85 °C  
-40 °F to 185 °F  
**Relative humidity:** 0-100 %  
**Battery life up to:** 10 years  
**IP class:** IP67

# Gas sensors

Designed for leak detection, workplace safety, and personal safety.  
Suitable for the most challenging environments.



## CO<sub>2</sub> and Temperature sensor

**CO<sub>2</sub>:** 0-9999 ppm  
**Temperature:**  
0 °C to 50 °C  
32 °F to 122 °F  
**Battery life up to:** 8 years  
**IP class:** IP67



## NH<sub>3</sub> sensor kit

**NH<sub>3</sub>:** 0-100 ppm  
**Power source:**  
External power supply  
**IP class (sensor):** IP65  
**IP class (transmitter):** IP67

# Horticulture sensors

Specifically designed for greenhouses. The sensors measure a variety of parameters that help optimize yield predictions and save on energy, water, and fertilizers. Relative humidity and plant temperature are critical parameters to determine Vapor Pressure Deficit (VPD).



## T/RH sensor with Radiation Shield

**Temperature:**  
-40 °C to 60 °C  
-40 °F to 140 °F  
**Relative humidity:** 0 % to 100 %  
**Battery life up to:** 10 years  
**IP class:** IP65



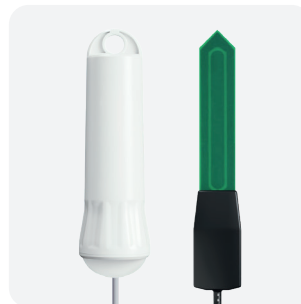
## IR Plant Temperature sensor

**Temperature:**  
-20 °C to 85 °C  
-4 °F to 185 °F  
**Battery life up to:** 10 years  
**IP class:** IP65



## Soil Moisture, EC and T sensor (WET150)

Soil and substrate moisture, electric conductivity, temperature  
**Battery life up to:** 8 years  
**IP class:** IP68



## Soil Moisture sensor

Soil volumetric water content  
**Battery life up to:** 10 years  
**IP class:** IP67



## Weight sensor

**Weight:** 0-50 kg / 0-100 kg  
**Battery life up to:** 9 years  
**IP class:** IP67



## Aranet Weight sensor with frame

**Weight measurements:**  
0-50 kg (accuracy  $\pm 0.02\%$ )  
**Battery life up to:** 10 years  
**IP class:** IP67



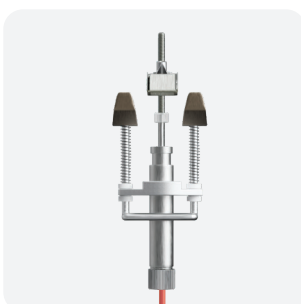
## PAR sensor

Photosynthetic PhotonFlux Density (PPFD)  
**Battery life up to:** 9 years  
**IP class:** IP68



## Aranet Drainage sensor

Drain water flow monitoring.  
**Accuracy:**  $\pm 5\%$   
**Battery life up to:** 10 years  
**IP class:** IP67



## Stem Micro-Variations sensor kit

**Micro-variations of stem diameter:** 0 to 5 mm  
**Power source:**  
External power supply  
**IP class (sensor):** IP64  
**IP class (transmitter):** IP67



## Sap Flow sensor kit

Relative variations of sap flow rate in plants petiole or small shoot  
**Stem diameter:**  
1 to 5 mm or 4 to 10 mm  
**Power source:**  
External power supply  
**IP class (transmitter):** IP67



## Rain gauge

Monitor the quantity of rain and precipitation water. For applications in agriculture for irrigation and soil moisture management, weather stations, and water treatment plants.



### Rain and Precipitation sensor kit

Precise rain and precipitation monitoring  
**Accuracy:**  $\pm 2\%$   
**Battery life up to:** 10 years  
**IP class:** IP68

## Ambient light sensor

Wireless and battery-powered, made to easily monitor whether a building is sufficiently lit, as well as to see if energy is not wasted on excess lighting.



### LUX sensor

**Measurement range:**  
0 – 200 000 lux  
**Battery life up to:** 7 years  
**IP class:** IP68

## Energy meter

Designed for precise measurement of electricity usage and frequency of use, tracking and optimizing energy consumption across various industries.



### One-Phase Energy meter kit

Measures the amount and frequency that electricity is used  
**Battery life up to:** 10 years  
**IP class (energy meter):** IP51  
**IP class (sensor):** IP68



### Three-Phase Energy meter kit

Measures the amount and frequency that electricity is used  
**Battery life up to:** 10 years  
**IP class (energy meter):** IP51  
**IP class (sensor):** IP68

## Dry Contact meters

Contact sensor for open/closed and dry contact pulse detection. Ideal for energy and flow monitoring.



### Dry Contact Hour meter

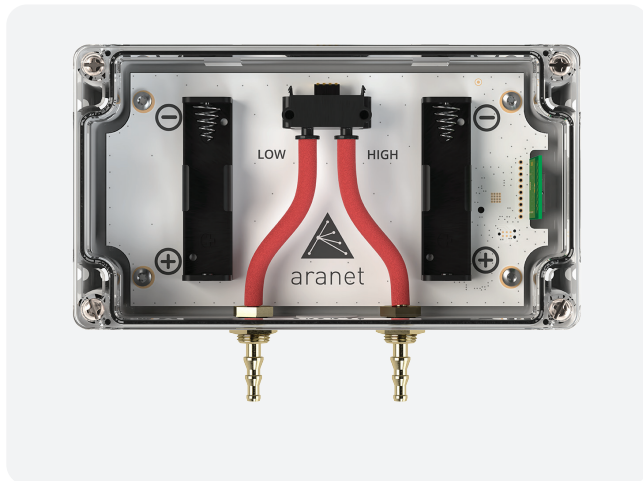
Detects the time the contact is either opened or closed between two wired contact points.  
**Battery life up to:** 9 years  
**IP class:** IP68

### Dry Contact Pulse counter

Detects dry contact pulses. Perfect for electricity meters and water flow monitoring.  
**Battery life up to:** 10 years  
**IP class:** IP68

## Differential Pressure sensor

Used to measure the air pressure difference between two points, suitable for HVAC, building automation, clean rooms, filter monitoring, and more.

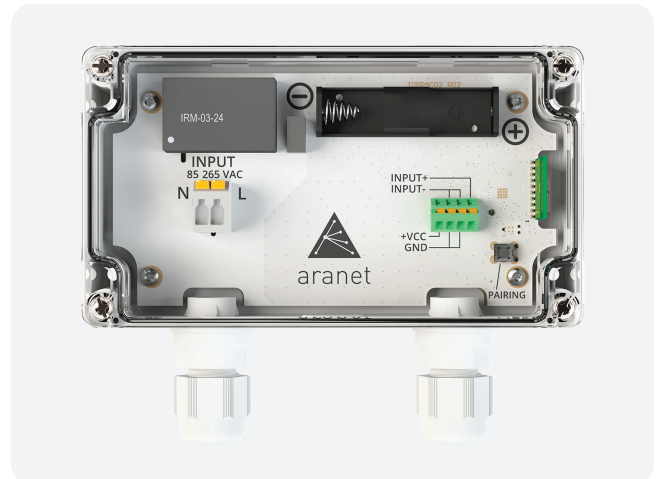


### Differential Pressure sensor

**Pressure range:**  $\pm 500$  Pa  
**Accuracy:**  $0.10$  Pa + 3 % of reading  
**Battery life up to:** 10 years  
**IP class:** IP65

## Current and voltage sensors

Solutions that easily integrate with third-party V and mA output sensors enable the monitoring of various parameters within the single Aranet ecosystem.



### 0-10 V transmitter

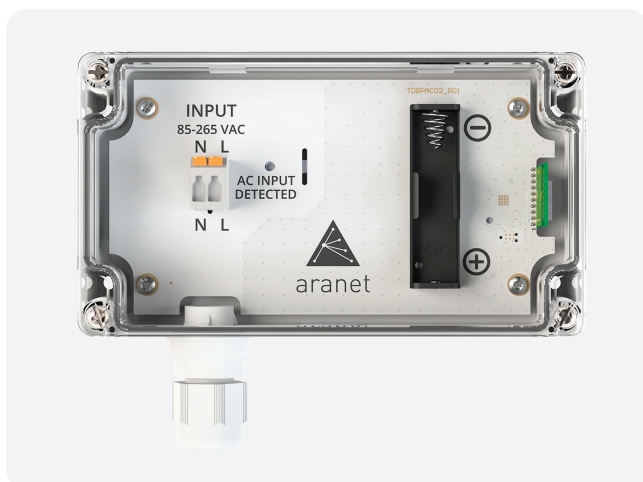
**Voltage:** 0-10 V  
**Built-in power supply options:** 12 VDC and 24 VDC  
**Power source:** External power supply  
**IP class:** IP67

### 4-20 mA transmitter

**Current:** 4-20 mA  
**Built-in power supply options:** 12 VDC and 24 VDC  
**Power source:** External power supply  
**IP class:** IP67

## AC Hour meter

Accurately measures operational time for any device connected to the power grid.

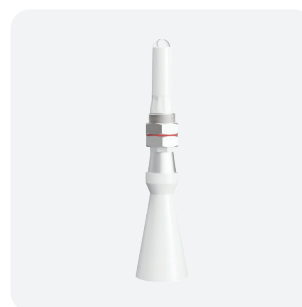


### AC Hour meter

**Input voltage:** 85-265 VAC  
**Battery life up to:** 10 years  
**IP class:** IP67

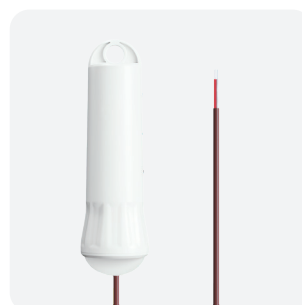
## Other sensor

For liquid and solid surface measurements, such as monitoring grain levels in silos or liquid levels in containers.



### Ultrasonic Distance sensor

**Measurement range:** 0.3 to 5 m or 0.5 to 10 m  
**Battery life up to:** 7 years  
**IP class:** IP67



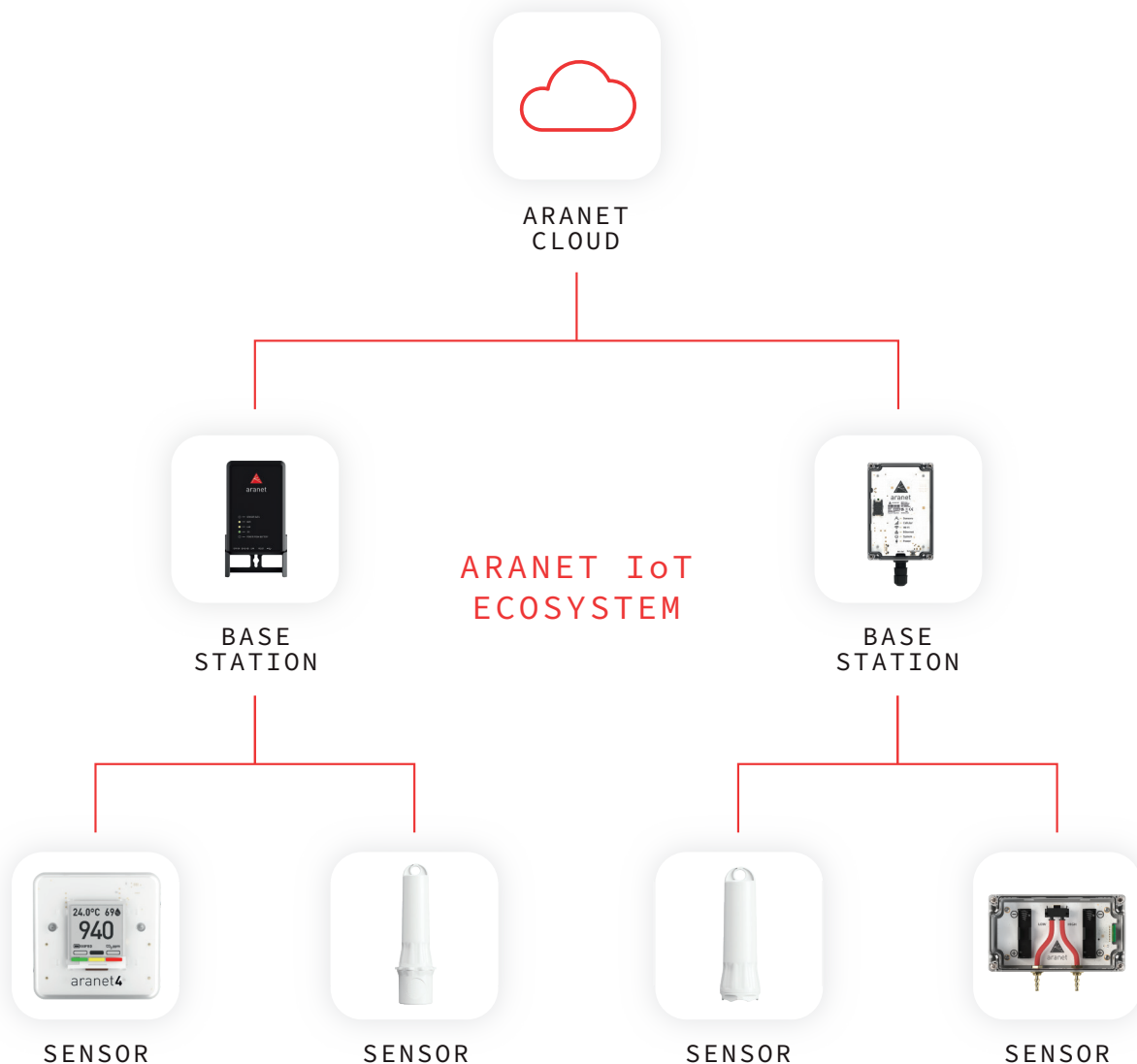
### PT100 / PT1000 transmitter

Available with more than 20 different custom probes  
**Temperature:** -200 °C to 600 °C  
**-328 °F to 1112 °F**  
**Battery life up to:** 12 years  
**IP class:** IP68

# Getting Started with Aranet



Ready to enhance your business with Aranet's monitoring solution? Contact us to discuss your needs and discover how Aranet can support your commitment to data-driven decision-making.



## Sensors

A variety of wireless sensors that monitor conditions indoors and outdoors

## Base stations

One or multiple base stations that gather and store data from sensors

## Cloud

A cloud service to access, view, and analyze all your data in one place

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Änderungen vorbehalten