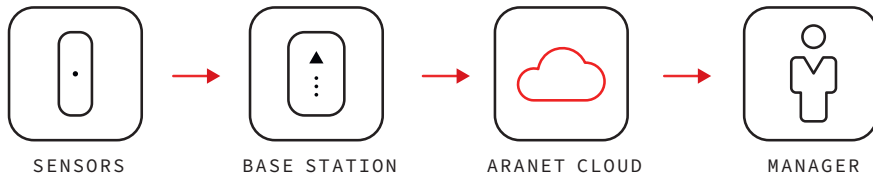




# Building management

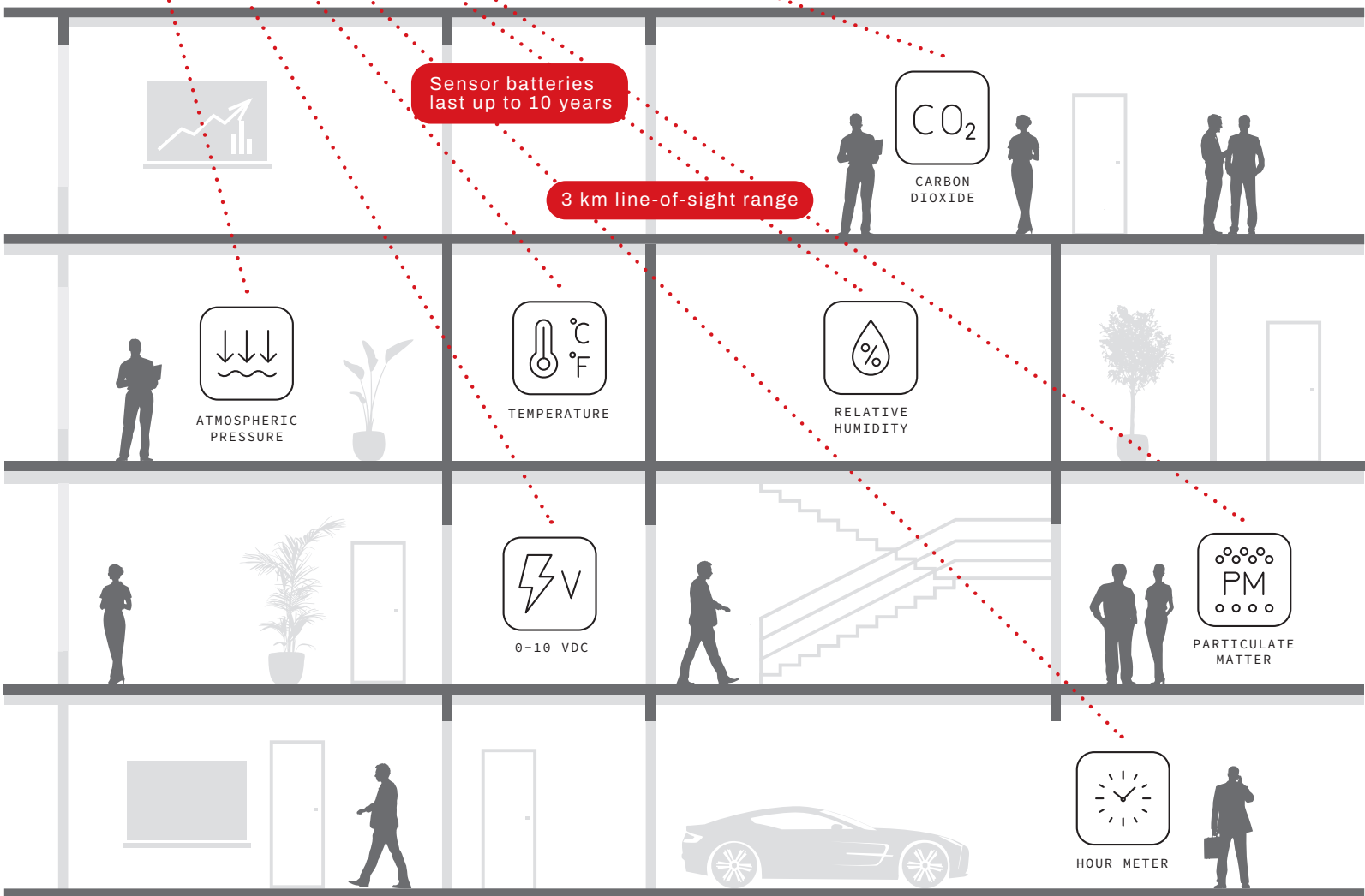
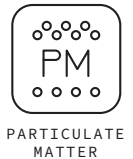
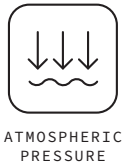
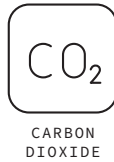


Advanced analytic software included

1-100 sensors per base station

Sensor batteries last up to 10 years

3 km line-of-sight range



# Aranet offers a diverse range of specialized sensors

**Aranet PRO/PRO Plus/PRO Plus LTE base stations** are user-friendly, industrial-grade wireless environmental monitoring solutions. They have internal memory and a built in webserver with free software for viewing, analyzing, comparing, and exporting data. They also enable setting alarms for specific parameter thresholds. Base stations can gather sensor readings from up to **3 kilometers (1.9 miles)** away.

## Temperature sensors

measure and monitor air, liquid, and solid surface temperature. These probes can be placed in liquids or areas that require close contact measurements - like heating pipes or soil. Use cases include heating, ventilation, and air conditioning (HVAC) systems, food production industries, pharmaceutical manufacturing, R&D laboratories, retail storage, etc.

	Measurement range	Battery*	IP class
T-probe sensor	-55 °C to 105 °C -67 °F to +221 °F	10 years	IP68
T Compact sensor	-40 °C to 60 °C -40 °F to 140 °F	7 years	IP68
PT100 / PT1000 transmitter	-200 °C to 800 °C -328 °F to 1472 °F	10 years	IP68
PT100 sensor*	-50 °C to 180 °C -58 °F to 356 °F	10 years	IP68

## T/RH sensors

record temperature and relative humidity. These sensors are extremely durable. When sealed correctly, they tolerate humidity, heat, and exposure to outdoor elements.

	Measurement range	Battery*	IP class
T/RH sensor	temperature: -40 °C to 60 °C -40 °F to 140 °F, relative humidity: 0% to 100%	10 years	IP42
T/RH IP67 sensor	temperature: -40 °C to 60 °C -40 °F to 140 °F, relative humidity: 0% to 100%	10 years	IP67

## T/RH probes

provide accurate temperature and relative humidity measurements. T/RH probes are built to endure, withstanding harsh environments.

	Measurement range	Battery*	IP class
T/RH probe	temperature: -40 °C to 85 °C -40 °F to 185 °F, relative humidity: 0-100%	10 years	IP67

## Ambient light sensors

are designed to measure whether buildings are sufficiently lit, or wasting energy illuminating unused spaces. They are wireless and battery-powered.

	Measurement range	Battery*	IP class
LUX sensor	0 – 200 000 lux	7 years	IP68

## Differential Pressure sensors

are used for measuring the difference in air pressure between two points. They're used in HVAC, building automation, room cleaning, etc.

	Measures	Battery*	IP class
Differential Pressure sensor	Pressure range ± 500 Pa Accuracy 0.10 Pa + 3 % of reading	10 years	IP65

## Distance sensors

operate in measuring liquid and solid surfaces. For example: grain levels within a silo, the level of a fluid within a container, etc.

	Measurement range	Battery*	IP class
Ultrasonic Distance sensor	0.3 to 5 m or 0.5 to 10 m	7 years	IP67

## Dry contact meters

	Measurement range	Battery*	IP class
Dry Contact Pulse counter	Detects dry contact pulses. Perfect for electricity meters and water flow monitoring.	10 years	IP67
Dry Contact Hour meter	Detects the time the contact is either opened or closed between two wired contact points.	9 years	IP68

## Current and voltage sensors

are battery-powered, energy-efficient solutions designed to integrate with any 3rd-party sensor that uses V/mA as an output. This solution allows the Aranet system to be opened to virtually any parameter monitoring. This means having all required sensors within a single system.

	Measurement range	Battery*	IP class
Voltage sensor	voltage (-32 to +32 VDC)	7 years	IP68
4-20 mA sensor	current (0-30 mA)	7 years	IP68

## Gas sensors

are designed for leak detection, workplace safety, and personal safety. Aranet sensors are wireless, battery-powered, and suitable for withstanding challenging environments.

	Measures	Battery*	IP class
CO <sub>2</sub> and Temperature sensor	CO <sub>2</sub> : 0-9999 ppm	8 years	IP67

## CO<sub>2</sub> sensors

have a built-in infrared CO<sub>2</sub> sensor that actually measures the real CO<sub>2</sub> gas content, and provides high precision measurements. Does not extrapolate the CO<sub>2</sub> value from other gases.

	Measures	Battery*	IP class
CO <sub>2</sub> sensors Aranet4 HOME / PRO <small>Comes with Android &amp; iOS app</small>	CO <sub>2</sub> : 0-9999 ppm, temperature: -10 °C to 60 °C 14 °F to 140 °F, relative humidity: 0% to 85% atmospheric pressure: 0.3 to 1.1 atm (4.4 to 16.0 psi)	4 years	IP20

## Signal strength sensors

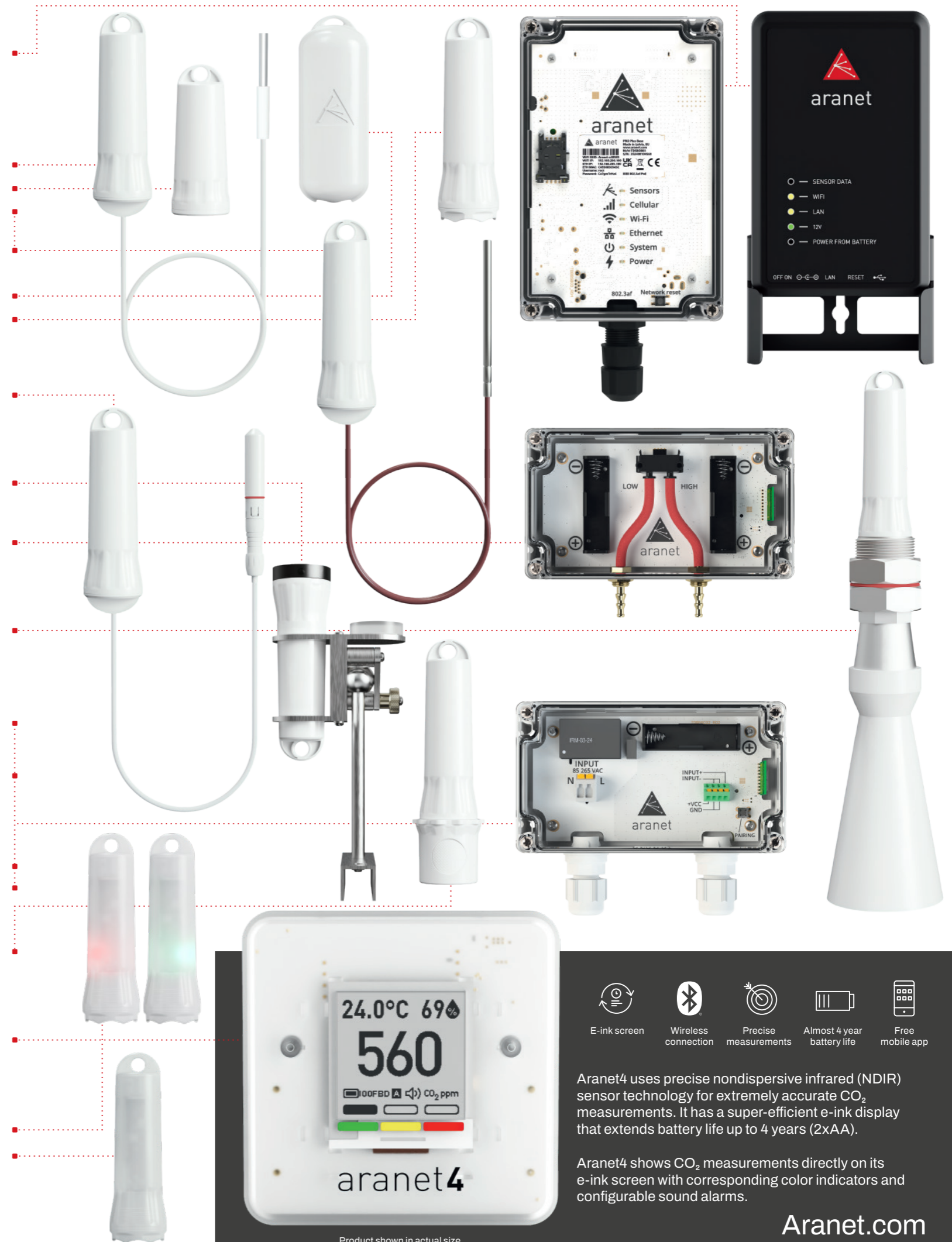
enable the locating of optimal areas for sensor placement. A single button push means the immediate identification of local signal strength.

Radio Site Survey Ping-Pong kit

RSSI sensor

\* BATTERY LIFE UP TO...

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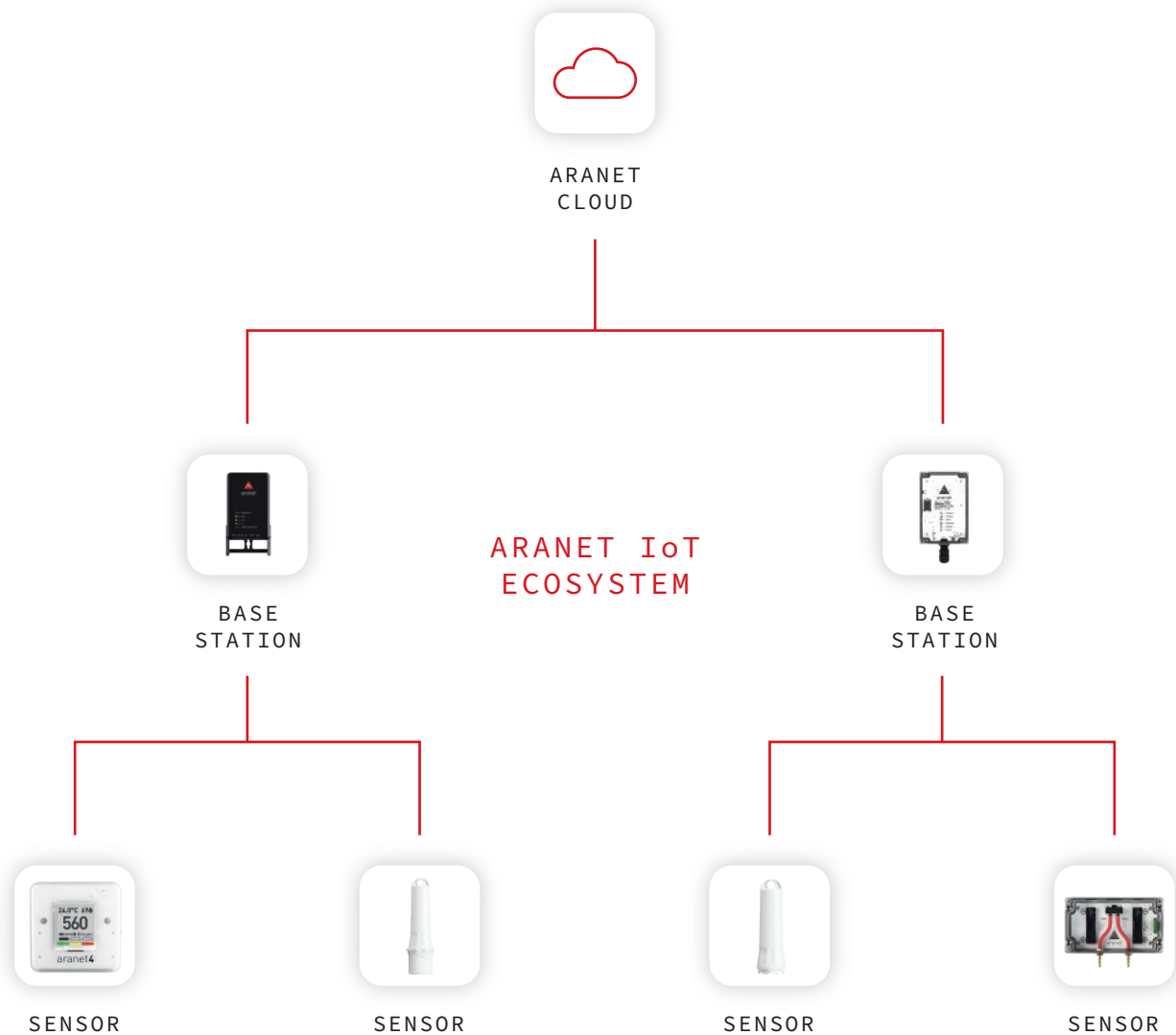
- E-ink screen
- Wireless connection
- Precise measurements
- Almost 4 year battery life
- Free mobile app

Aranet4 uses precise nondispersive infrared (NDIR) sensor technology for extremely accurate CO<sub>2</sub> measurements. It has a super-efficient e-ink display that extends battery life up to 4 years (2xAA).

Aranet4 shows CO<sub>2</sub> measurements directly on its e-ink screen with corresponding color indicators and configurable sound alarms.

Product shown in actual size.

*Smarter*  
than others



## Sensors

A variety of wireless sensors that monitor indoor and outdoor conditions

## Base stations

One or multiple base stations gather and store sensor data

## Cloud

Access, view, analyze, and export all sensor data from one dashboard

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