



Aranet - wireless IoT ecosystem

Edgars Spārniņš, product manager

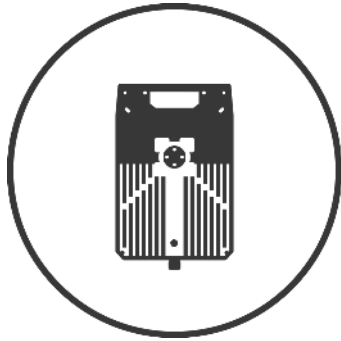
SAF Tehnika JSC

Riga, Latvia



CERN Task force delegation visits SAF Tehnika

MAIN PRODUCT GROUPS



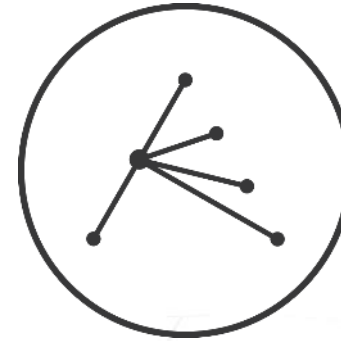
POINT-TO-POINT
SYSTEMS

www.saftehnika.com



MW SPECTRUM
ANALYZERS

www.spectrumcompact.com



ARANET WIRELESS
SENSOR SOLUTIONS

www.aranet.com



SPECTRUM COMPACT



SC RANGE (GHz)	0.3-3	2-8	5.95-12	10-18	17-24.3	24-43	56-67	70-87
SG RANGE (GHz)			5.95-12	10-18	17-24.3	24-40		





10 - number of thousands of users in each job location



Benefits of the proprietary radio:

- Reliability of the whole solution
- Security issues are easily managed
- Very good and predictable battery life
- Ease of use and configuration
- Can be adjusted to meet specific needs
- Technical support for the whole solution



Wide range of sensors

WWW.ARANET.COM



AMMONIA



CARBON DIOXIDE



CARBON MONOXIDE



NITROGEN DIOXIDE



BLOOD OXYGEN



RELATIVE HUMIDITY



ATMOSPHERIC PRESSURE



TEMPERATURE



WEIGHT



PHOTO-SYNTHETICALLY ACTIVE RADIATION



STEM MICRO VARIATIONS



VOLTAGE



SUBSTRATE MOISTURE



ELECTRIC CONDUCTIVITY



CURRENT



SOIL VWC



HUMAN BODY TEMPERATURE



ULTRASONIC DISTANCE



LUX



PULSE COUNTER



DIFFERENTIAL PRESSURE



POULTRY



LIVESTOCK



HORTICULTURE



WAREHOUSE



FOOD MANUFACTURERS



HVAC & BUILDING MANAGEMENT



MEDICAL



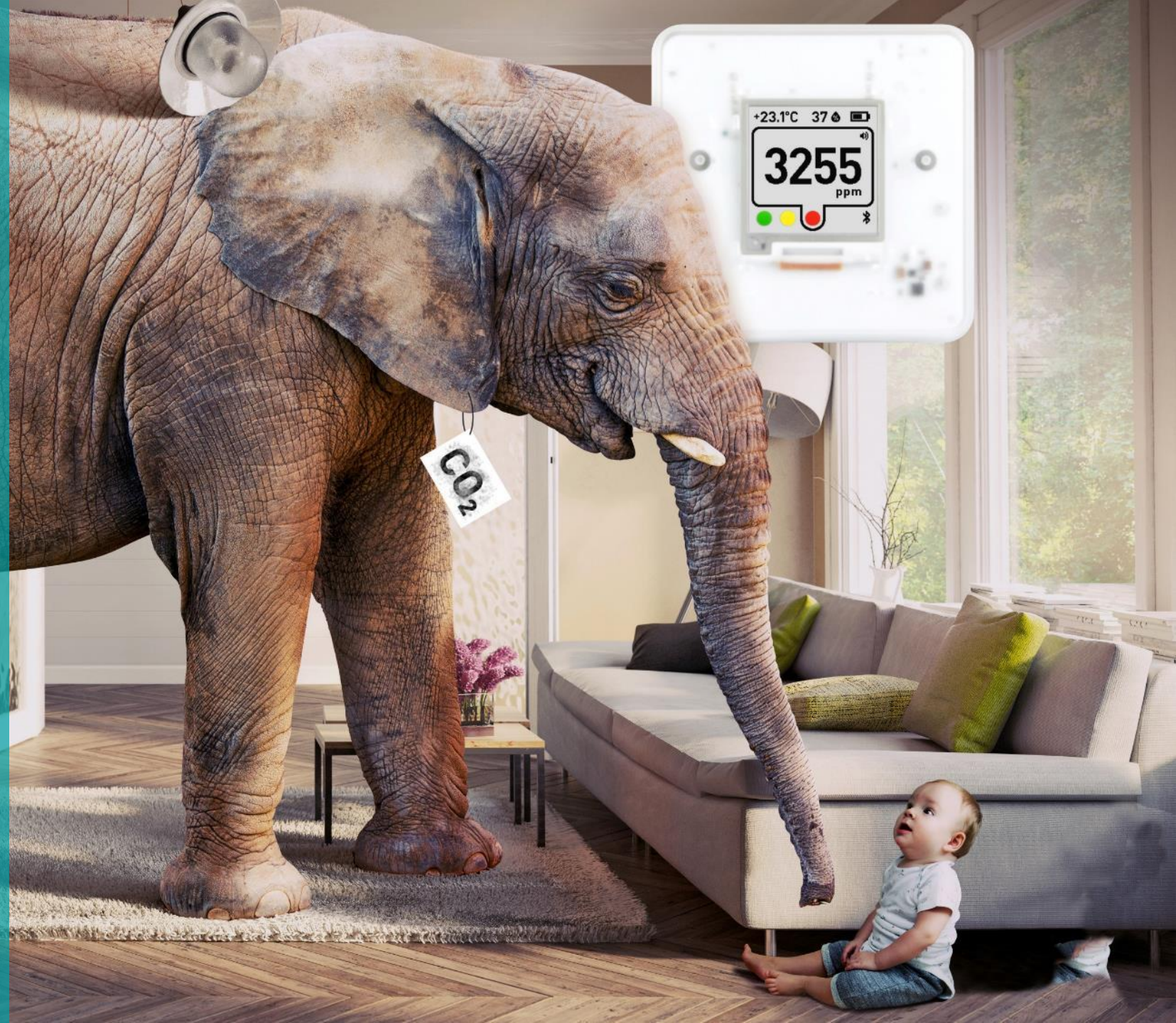
AGRICULTURE

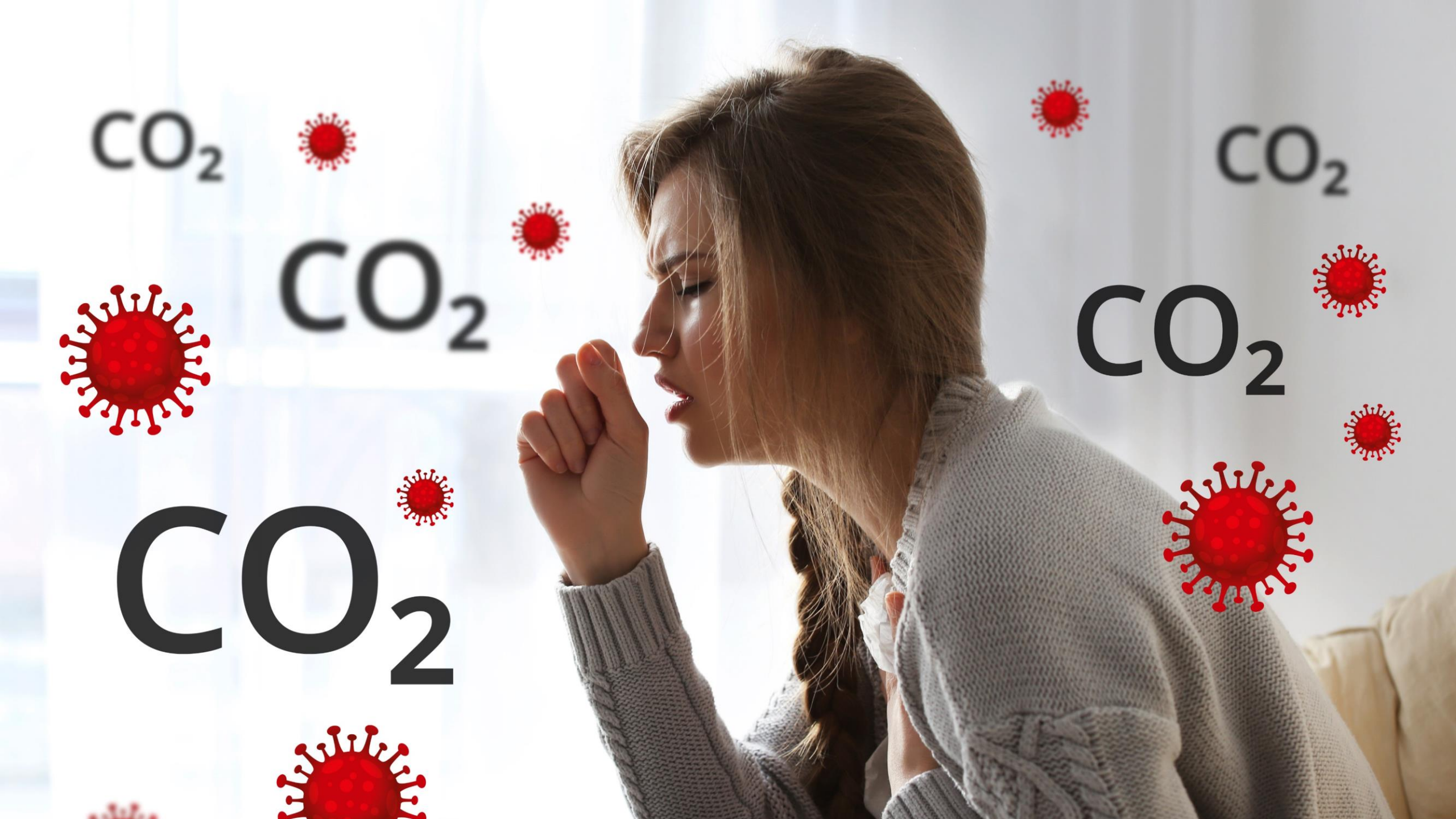
ARANET4

There's an invisible elephant in every room, and you should stop ignoring him!

Aranet4 measures:

- ✓ CO2
- ✓ Temperature
- ✓ Humidity
- ✓ Atmospheric pressure





CO₂

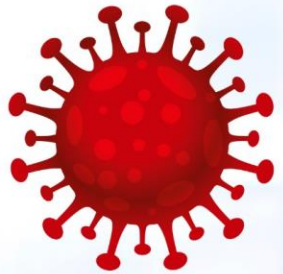
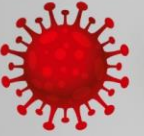


CO₂

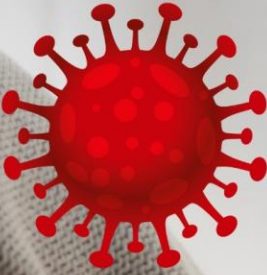
CO₂

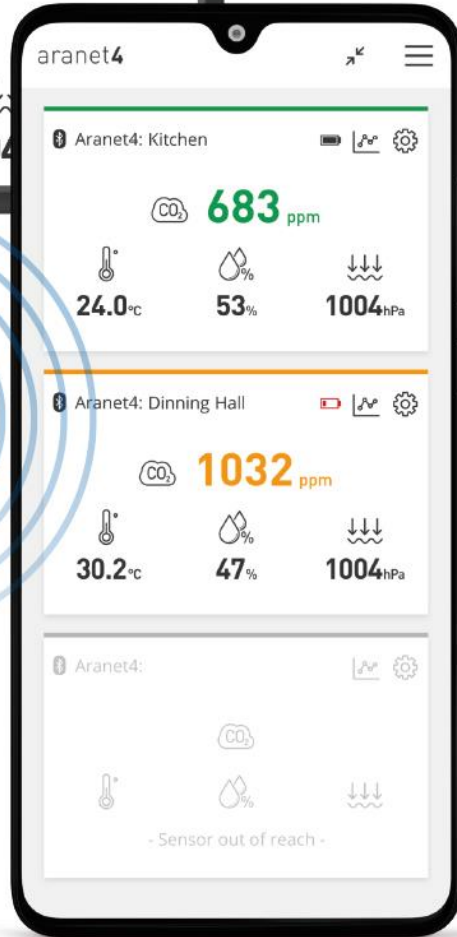
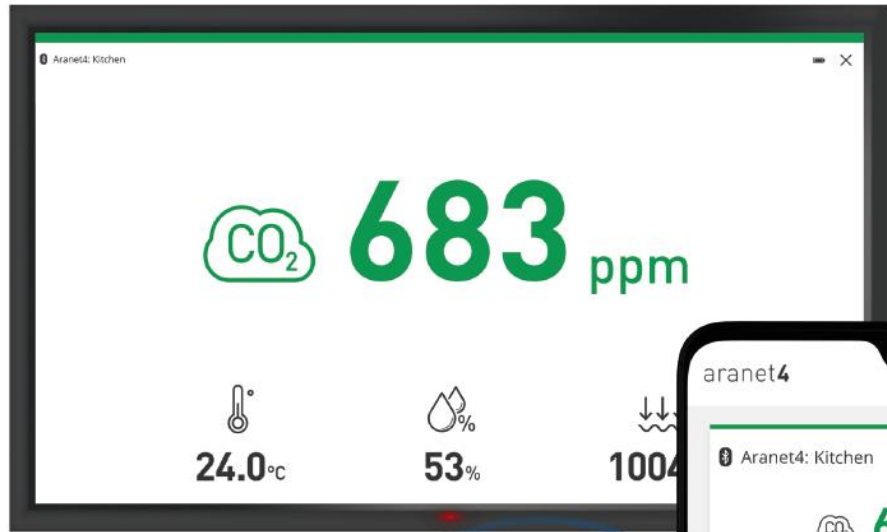


CO₂



CO₂






E-ink screen and
real time results


Wireless


Precise
measurements


2-year
battery life