


SAF Tehnika – CERN meeting

April 27, 2022

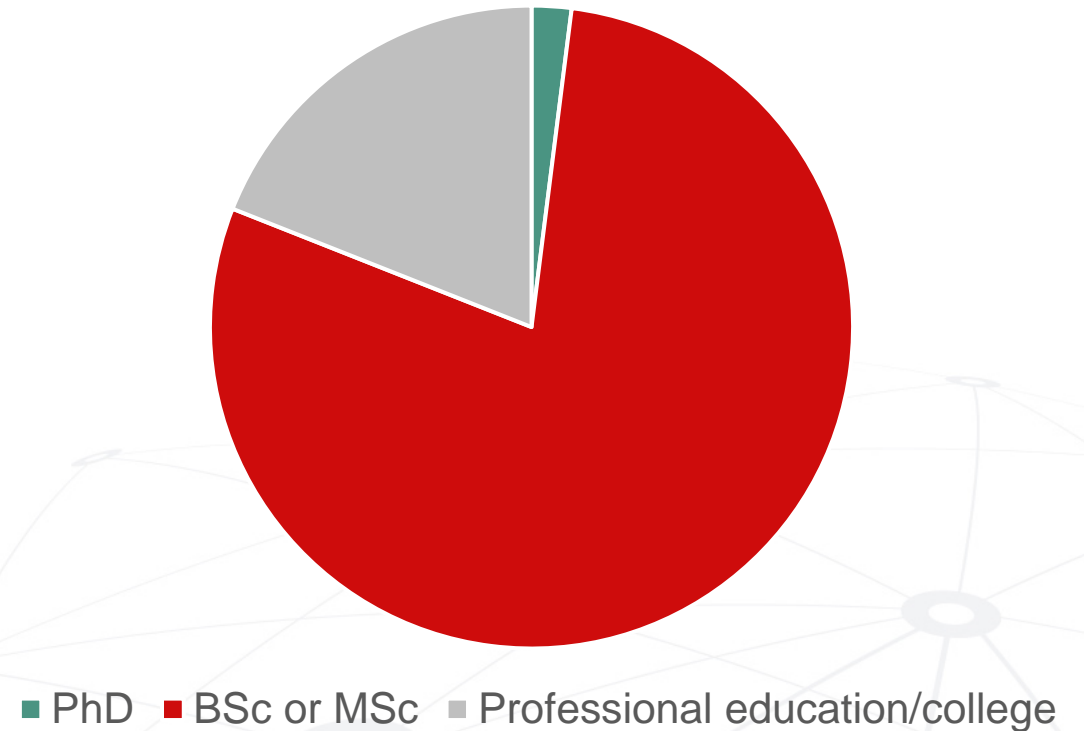


SAF Tehnika, key facts

- 20 years in business, 200+ people: wireless product company
 - All products designed and manufactured in EU
 - HQ in Riga, Latvia and subsidiary in Denver, USA
 - Global presence and extensive partner network (130+ countries)
 - Large scale production capacity
 - Broad product portfolio and customization possibilities
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SAF Tehnika, R&D in numbers

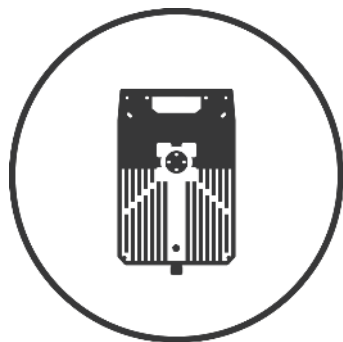
- Last FY SAF Tehnika reinvested 8.3% form its revenue into R&D
- 57 employees from 253 work in R&D
 - Radio engineers – 14
 - Electronic engineer - 8
 - Embedded developers – 12
 - Software developers – 12
 - Constructors, mechanical engineers – 9
 - Technical documentation specialists - 2



Notable cooperation projects (2020 – 2022)

- CHARM - European collaboration to develop industrial IoT solutions
- Introduction of a new cloud computing service to expand data analytics capabilities of IoT sensors and ensure continuity of service
- Electronic wireless sensor measurements data processing using a cloud solution and its application in food retail businesses
- Measurement of radio spectrum parameters using unmanned aerial vehicles
- Wireless monitoring solution for feed tank residue and air quality assessment in poultry farms

MAIN PRODUCT GROUPS



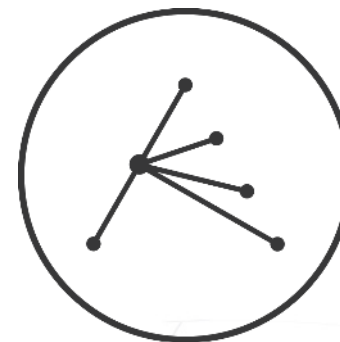
POINT-TO-POINT
SYSTEMS

www.saftehnika.com



MW SPECTRUM
ANALYZERS

www.spectrumcompact.com



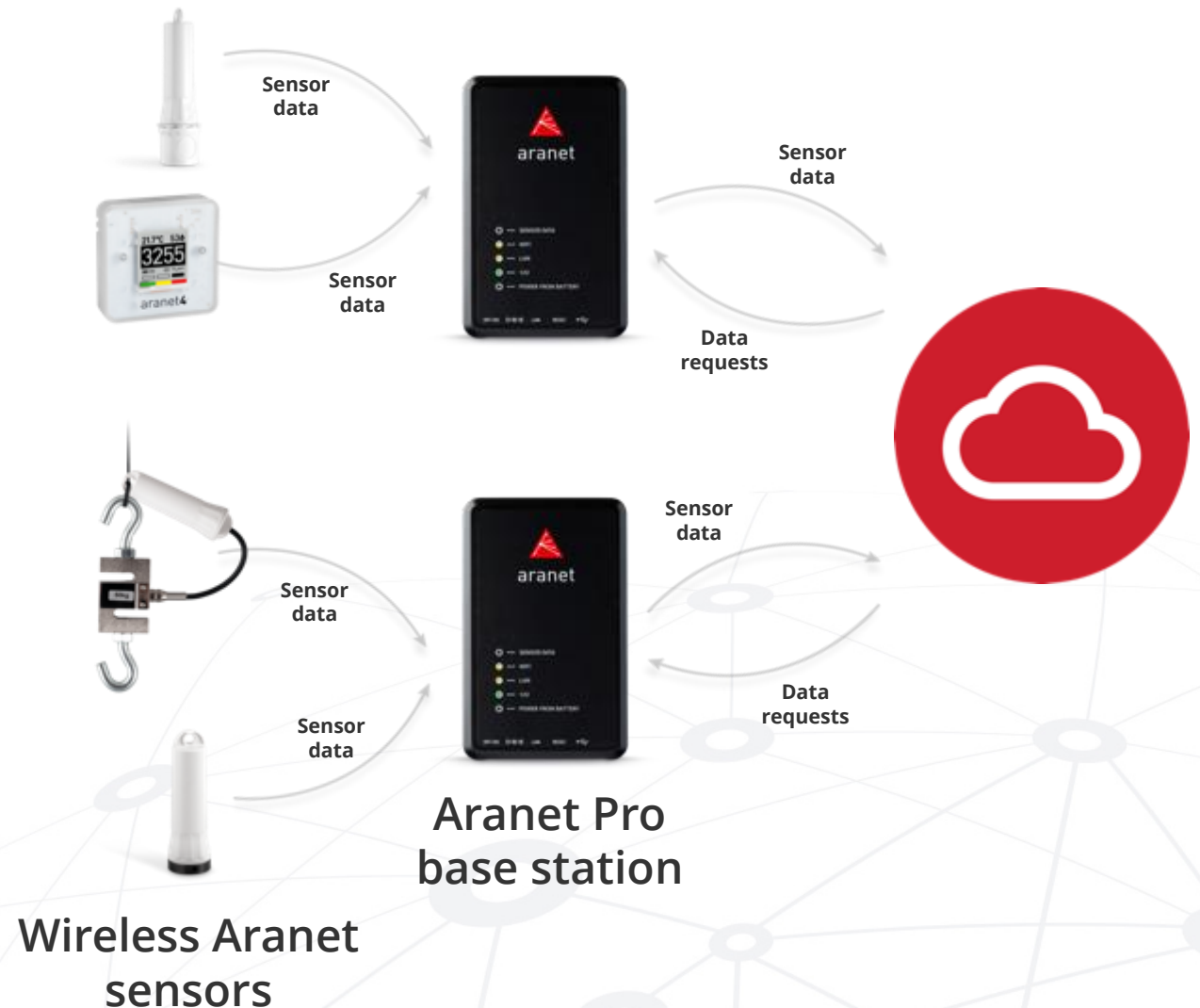
ARANET WIRELESS
SENSOR SOLUTIONS

www.aranet.com

Aranet ecosystem offers a full end-to-end monitoring solution

Key components of Aranet wireless ecosystem:

- **Wireless sensors** monitoring different industry-specific parameters
- **Aranet Pro Base stations** collecting & storing data from wireless sensors
- **Aranet Cloud** providing centralized access and management of all Aranet sensor data



Aranet sensors are wirelessly connected to Aranet Pro Base station via radio communication

Base station



868 MHz or 920 MHz

up to **3 km** line of sight range



Several hundreds of meters indoors

Sensor



868 MHz or 920 MHz



1; 2; 5 or 10 minute transmission intervals

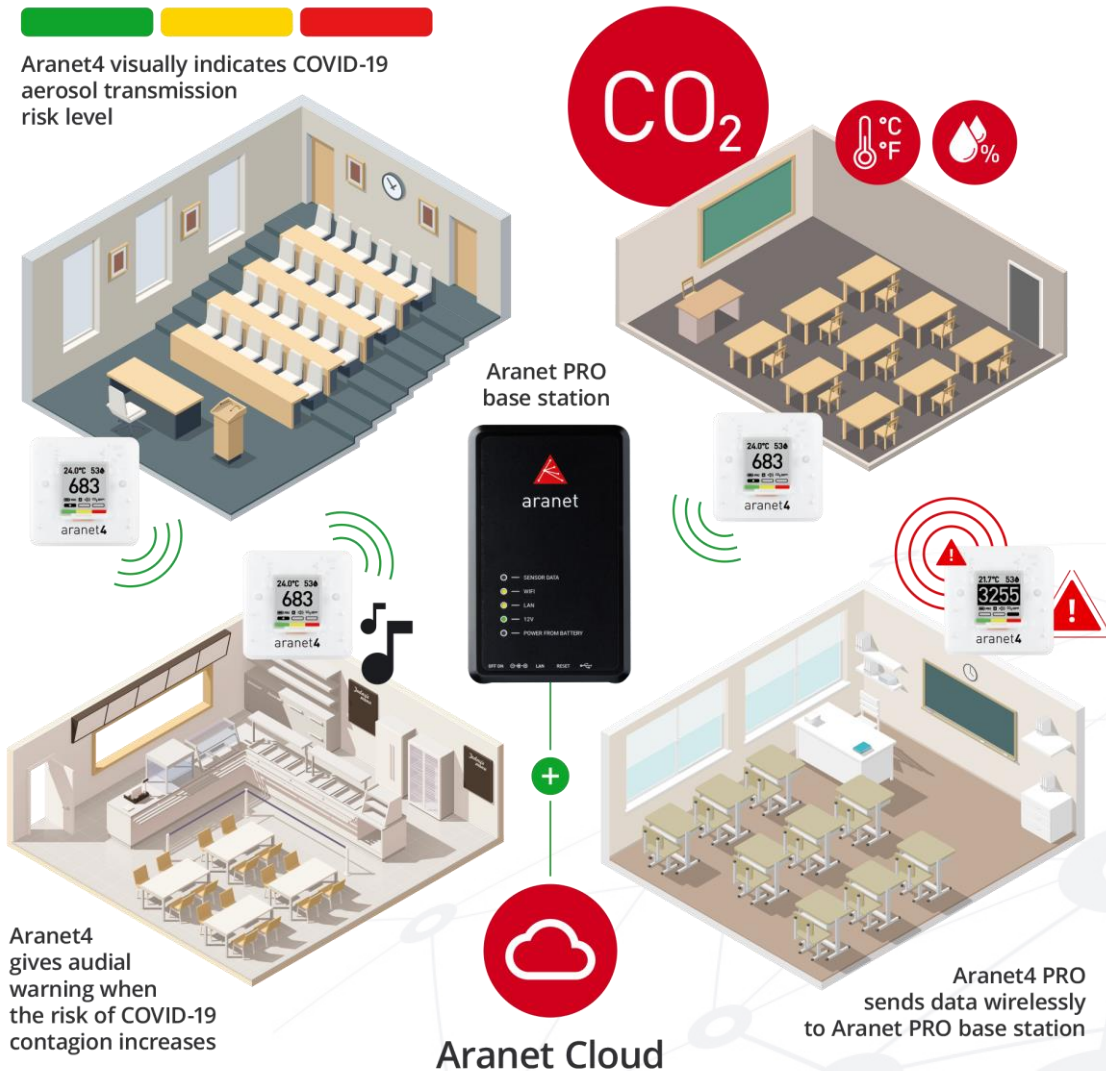


x100 sensors per base station



Up to **10 year** battery life

Aranet4 application for public buildings



Aranet is chosen by the leading organizations around the world



HARVARD
UNIVERSITY

UC San Diego

NBCUniversal

CrossFit



Hostess Brands



EPFL

CREATING
A CLIMATE
FOR GROWTH

PRIVA

SAF Tehnika / Aranet – CERN cooperation

Customer since May 2021

Order volume to date: ca. 25.000 Euro

Main products: Aranet4 Sensors and Aranet Base Stations

Main contact person: Andre Henriques, Technical Coordinator

Zoom meeting 30.11.21: In depth technical presentation call with CERN representatives Andre Henriques and Rodrigo Sierra (IT Network) to discuss the implementation of the Aranet solution at CERN.



THANK YOU!

