PRODUAL

Managing the invisible changes in room spaces

When accuracy is non-negotiable

The importance of room transmitters is highlighted in spaces where total control of indoor climate is vital for operation. Produal's room transmitters meet even the most strict requirements of hospital and research facilities in terms of purity, humidity and temperature of the air.

The new generation of room transmitters breathe the same air with the building

Building automation solutions for tomorrow's needs

The need to make the invisible measurable created Produal. We wanted to give buildings the ability to sense. We invented devices to measure and manage the changing indoor circumstances of the buildings.

The demand to optimise the building ecosystem and to minimise costs and the environmental impact guides us. Together with our partners, we make the invisible visible and give extra years to buildings' life cycle – doing our share of building a sustainable world.

Manufactured in Finland, distributed globally with local customer service

We have developed and manufactured devices for building automation and HVAC industry for almost four decades. Our deep understanding and long experience of all phases of buildings' life cycle makes it possible to offer five year warranty to all of our devices.

Our experts are commited to help our customers in building automation projects all the way from planning to installation and maintenance. This is possible due to our local presence and our comprehensive network worldwide.
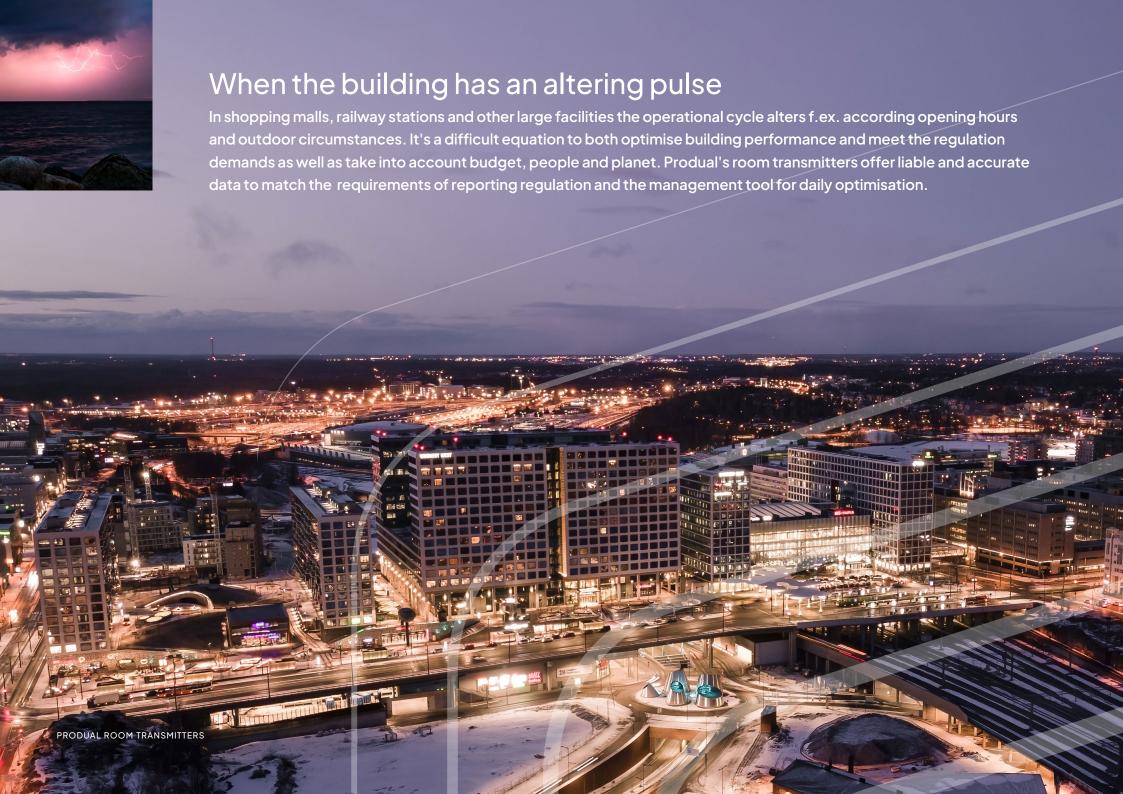
Made in Finland

5 years warranty

Produal's revolutionary accurate room transmitter technology enables to measure and manage indoor climate as a whole and avoid reacting to temporary changes.

One device to detect and measure all aspects of indoor air at the highest precision:

Temperature | CO_2 | Humidity | Movement PIR | VOC

When the building has an altering pulse

In shopping malls, railway stations and other large facilities the operational cycle alters f.ex. according opening hours and outdoor circumstances. It's a difficult equation to both optimise building performance and meet the regulation demands as well as take into account budget, people and planet. Produal's room transmitters offer liable and accurate data to match the requirements of reporting regulation and the management tool for daily optimisation.

PRODUAL ROOM TRANSMITTERS

The new degree of precision: ±0.3 °C

The patent pending technological solution combined with new design and proven technology minimises costs and environmental impact, maximises comfort and extends buildings' life cycle.

RTX-SERIES is the right solution when total control of life cycle and best possible indoor climate is required. RTX-series provides versatile built-in features and wide connectivity options as well as full-fills even the most strict regulation; LEED certification (ANSI/ ASHRAE Standard 62.1-2022) · BREEAM certification · RESET grade B · WELL Building Standard® (WELL v2™).

Wide connectivity
Built-in support for flexibility and seamless integration with existing or new devices and systems. Up to 4 analog, freely configurable 0…10 V voltage outputs. Modbus RTU or BACnet MSTP communication.

Maximal energy efficiency and comfort
Built-in P, PI controller and MAX control function facilitate standalone control for VAV systems and a range of cooling and heating applications.

Expandable sensing
NEW TECHNOLOGY
Universal input enables connecting external transmitters and sensors to broaden your monitoring and control capabilities.

Visual indicators
Stay informed about the status of the system at a glance with an RGB LED, or use the light guide option to indicate the air quality of the space.

Relay functionality
Integrate and control other devices directly with the 24 V and 1 A relay options make building automation more coherent and unified.

Ease of configuration
The Bluetooth Dongle allows management and configuration of settings over Bluetooth with the MyProdual app (Android and iOS).
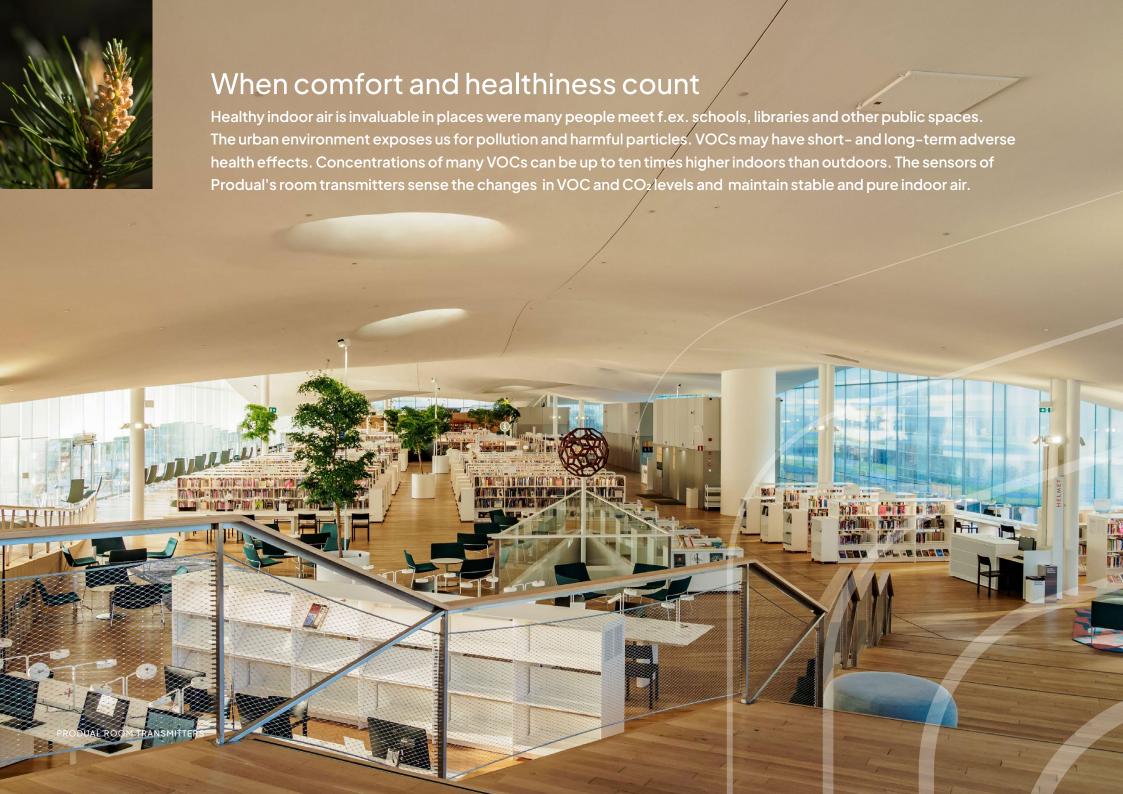
Life cycle integration
MyProdual platform offers a comprehensive life cycle view of every device's data – from the design phase to daily maintenance.

RT-SERIES room transmitters are a streamlined solution for reliable temperature and CO_2 monitoring.

Choose the right device
Find out more detailed information: scan the code or visit: produal.com

When comfort and healthiness count

Healthy indoor air is invaluable in places were many people meet f.ex. schools, libraries and other public spaces. The urban environment exposes us for pollution and harmful particles. VOCs may have short- and long-term adverse health effects. Concentrations of many VOCs can be up to ten times higher indoors than outdoors. The sensors of Produal's room transmitters sense the changes in VOC and CO_2 levels and maintain stable and pure indoor air.

PRODUAL ROOM TRANSMITTERS

Accuracy, stability and connectivity throughout the life cycle

"Our R&D is driven by the desire to create more user friendly and energy efficient devices to serve our customers needs in different building ecosystems."

ANTTI SALLI, PRODUCT MANAGER

"Our new generation of room transmitters is equipped with new sensors that allow the device to react to the changes of air surrounding it. Unusual airflow that cools the device can be detected so that the measurements are compensated for increased accuracy. Minimising measurement errors translate directly to savings in energy consumption as unnecessary heating or cooling is avoided."

Accuracy and safety

"Information security is taken into account with updatability and distributed I/O as well as operating logic designed to run independently if necessary. When a RTX-device is installed or adjusted it's connected to the cloud via bluetooth dongle. When the dongle is removed the transmitter works independently. Remote usage and configuration are secured in our network, and the needs of information security are considered in the hardwear of our devices."

Easy to install, configurate and maintain troughout the life cycle

"The guiding star of our design is user experience in every contact point. Our devices are known to be extremely easy to install and this has driven also our digital development work.

MyProdual app is designed for the configuration and management of your field devices. Users can effortlessly manage installation projects and utilise ready-made installation configurations.

MyProdual life cycle platform provides the life cycle information and maintenance data of each device.

"Our R&D studies adjustment solutions. We collect data to improve software that allows us to optimise sensors."

PRODUAL

We manage the invisible. Together.

Produal develops and produces user-friendly measurement and control devices for building automation and the HVAC industry. We make invisible changes measurable and visible, doing our part to develop intelligent and sustainable buildings with our customers.
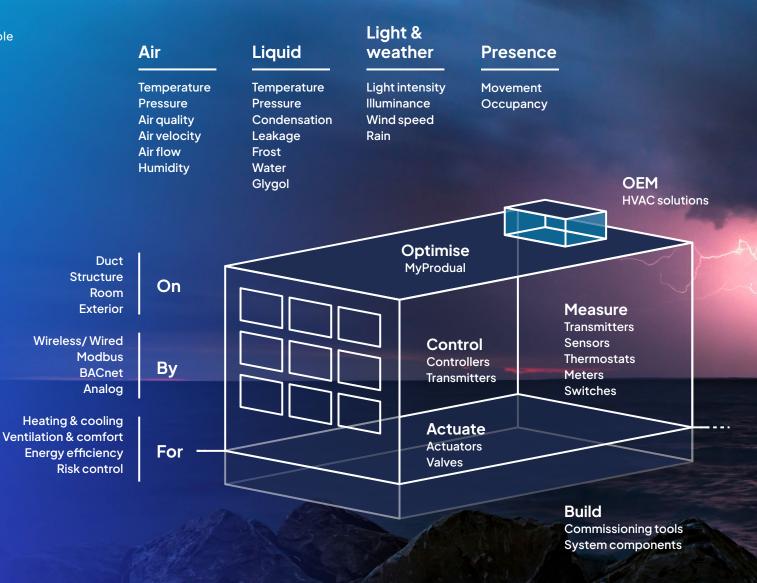
Join the discussion: **#BuildingPerformance**

- linkedin.com/company/produal
- https://www.youtube.com/ProdualGroup

www.produal.com

Produal is a part of the Bemsiq Group.

Managing the indoor climate
throughout the life cycle

Air	**Liquid**	**Light & weather**	**Presence**
Temperature	Temperature	Light intensity	Movement
Pressure	Pressure	Illuminance	Occupancy
Air quality	Condensation	Wind speed	
Air velocity	Leakage	Rain	
Air flow	Frost		
Humidity	Water		
	Glygol		

OEM
HVAC solutions

Optimise
MyProdual

Duct
Structure
Room
Exterior

On

Wireless/ Wired
Modbus
BACnet
Analog

By

Heating & cooling
Ventilation & comfort
Energy efficiency
Risk control

For

Control
Controllers
Transmitters

Measure
Transmitters
Sensors
Thermostats
Meters
Switches

Actuate
Actuators
Valves

...

Build
Commissioning tools
System components