

A new level of measurement accuracy: ±0.3 °C



Est.

1987

in Finland

170

experts

7000

satisfied customers

50000

buildings using our solutions

Part of Bemsiq Group since 2015.

Administration,
R&D and production
in Finland:
Kotka, Muurame
and Vantaa

Solid expertise at your service worldwide

Denmark, Finland, France, Italy, Poland, Spain, Sweden and United Kingdom



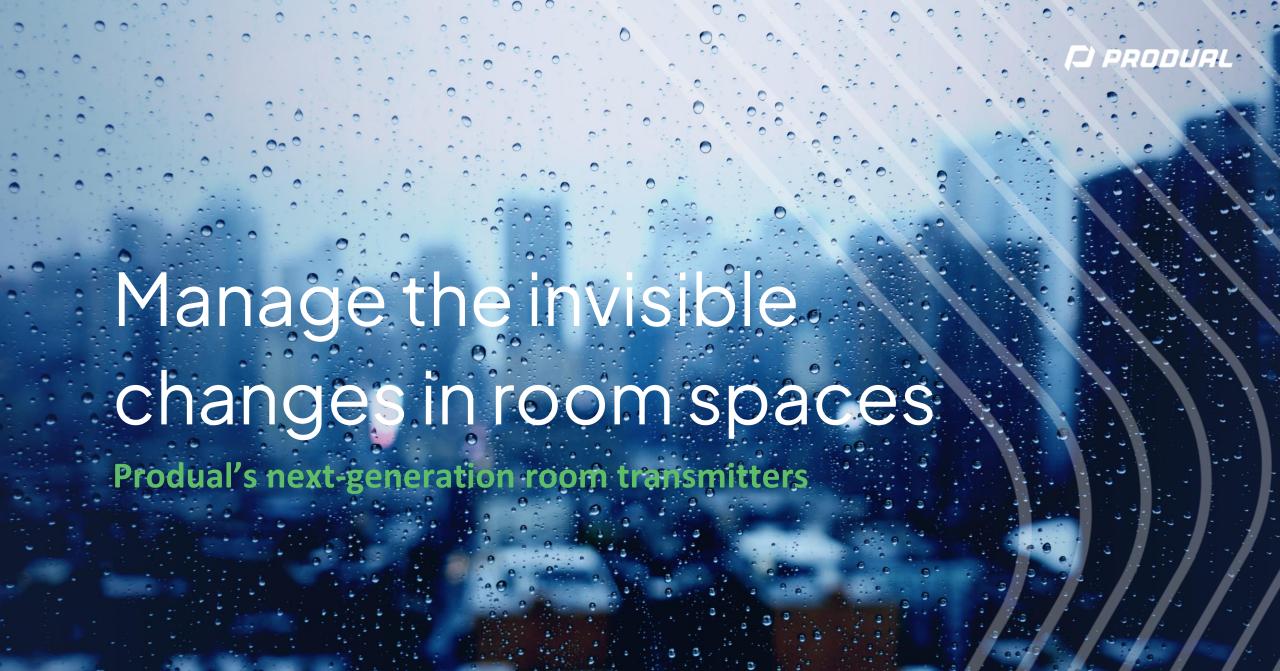
PART OF BEMSIO GROUP

Shared vision sets chance in motion

We aim to accelerate the journey toward a smarter and greener society.

Being part of Bemsiq Group's Building Automation division provides global reach and wider shoulders for R&D.

Co-operation offers combined resources to innovate new solutions for optimising indoor air quality and energy efficiency in buildings.





Our room transmitters meet even the strictest requirements in terms of

- clean air
- humidity and
- air temperature.





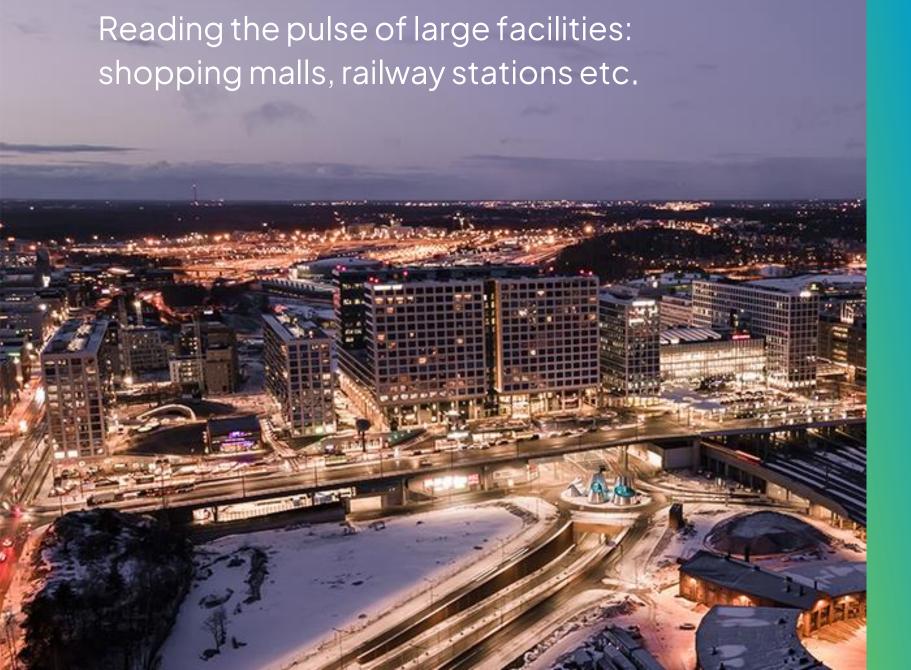


The urban environment exposes us to pollution and harmful particles.

Our room transmitters sense the changes in CO₂ and VOC levels, and maintain stable and pure indoor air.







When operational cycles
differ due to opening hours
and outdoor circumstances,
Produal's solution offers

- reliable & accurate data to match the reporting regulations and
- possibility to manage daily optimisation.

RTX Series – a new level of accuracy

±0.3°C

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

The revolutionary accurate RTX room transmitters offer

- top °C and CO₂ accuracy
- versatile built-in features
- wide connectivity options (Modbus / BACnet and voltage outputs)
- easy commissioning with MyProdual
- fulfil regulation demands:

LEED certification (ANSI/ASHRAE Standard 62.1-2022)
BREEAM certification
RESET grade B
WELL Building Standard® (WELL v2™).

- P/PI controller
- LED
- Relay
- Universal input



- CO₂
- Humidity
- VOC
- PIR movement

RTX-D series – intuitive user experience with touchscreen

New!

Enhance indoor air quality – maximum energy efficiency and comfort

- Multifunctional, clear 2.8" colour touchscreen with several screen options – show 1-4 measurements at the time
- Optional buttons for setpoint adjustment
- Wide connectivity options: Modbus / BACnet and voltage outputs
- Easy commissioning with MyProdual
- Built-in P/PI controller for controlling heating, cooling, or VAV applications



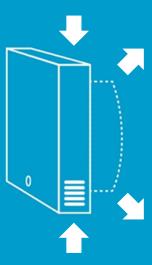
- Temperature
- $^{\bullet}$ CO₂
- Humidity
- VOC
- PIR movement

Why does the room transmitter measure incorrect?

The most common cause is air flow through the unit caused by an external factor, for example pressure difference between spaces.

- → Unnecessary heating/cooling
- → Increases energy consumption and costs
- → The room temperature is not as desired





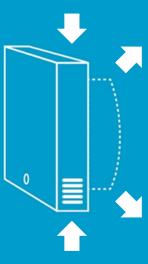
Air flows through transmitter

Produal's next-generation room transmitters manage the room space

The new, intelligent technology of our room transmitters tackles the problem of measuring errors caused by unusual external airflows.

- → Saves both energy and money
- → Minimises waste heating/cooling
- → Stabilises the room temperature

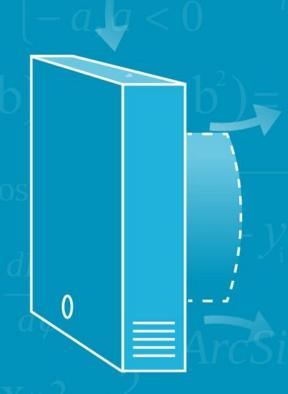




Air flows through transmitter

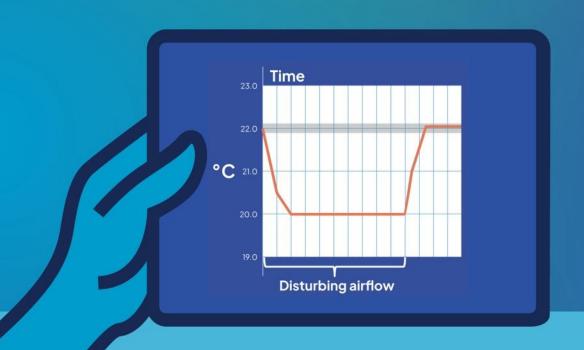
PRODUAL

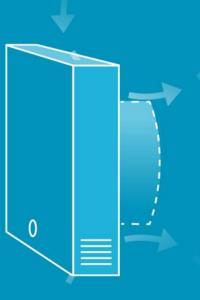
- Unusual airflows identified
- + Measurement result compensated
- + Waste/heating/cooling minimised
- + Room temperature stabilized
- + Energy and money saved



Patented

Large compensation need indicates installation environment problem





New innovation

PRODUAL

Installation Quality Score real-time analytics

(2) PRODUAL

IQS index

Patented

New innovation

(2) PRODUAL

Installation Quality Score real-time analytics

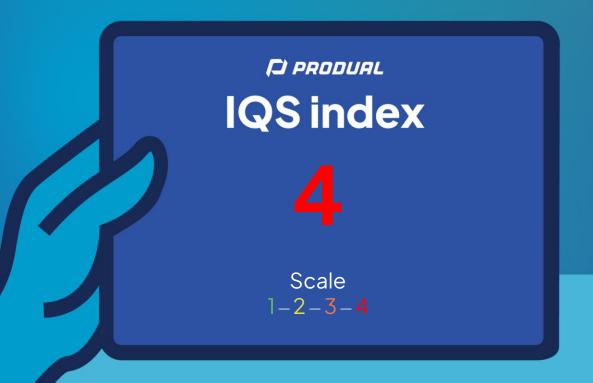
IQS index

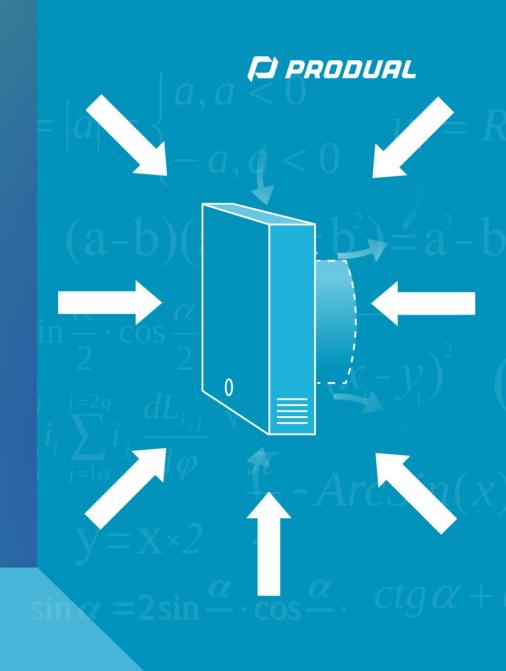
Scale 1-2-3-4

Patented

New innovation

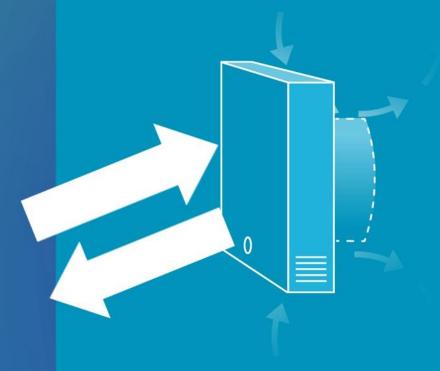
Installation Quality Score real-time analytics





Seal boxes or junction Adjust the ventilation balance







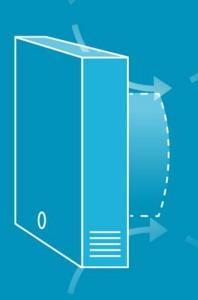
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Scale 1 - 2 - 3 - 4

PRODUAL

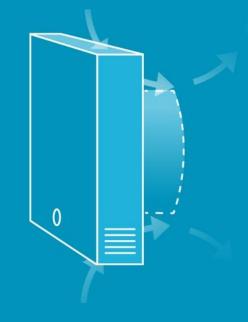
Seal boxes or junction
Adjust the ventilation balance
Remove heat sources near the transmitter





PRODUAL

Seal boxes or junction
Adjust the ventilation balance
Remove heat sources near the transmitter
Change the transmitter's location

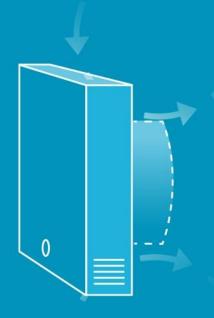


IQS index

Scale 1 – 2 – 3 – 4 Seal boxes or junction
Adjust the ventilation balance
Remove heat sources near the transmitter
Change the transmitter's location









Patented accuracy in fluctuating room conditions saves money and maintains optimal conditions throughout your property's lifetime



Thank you!

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