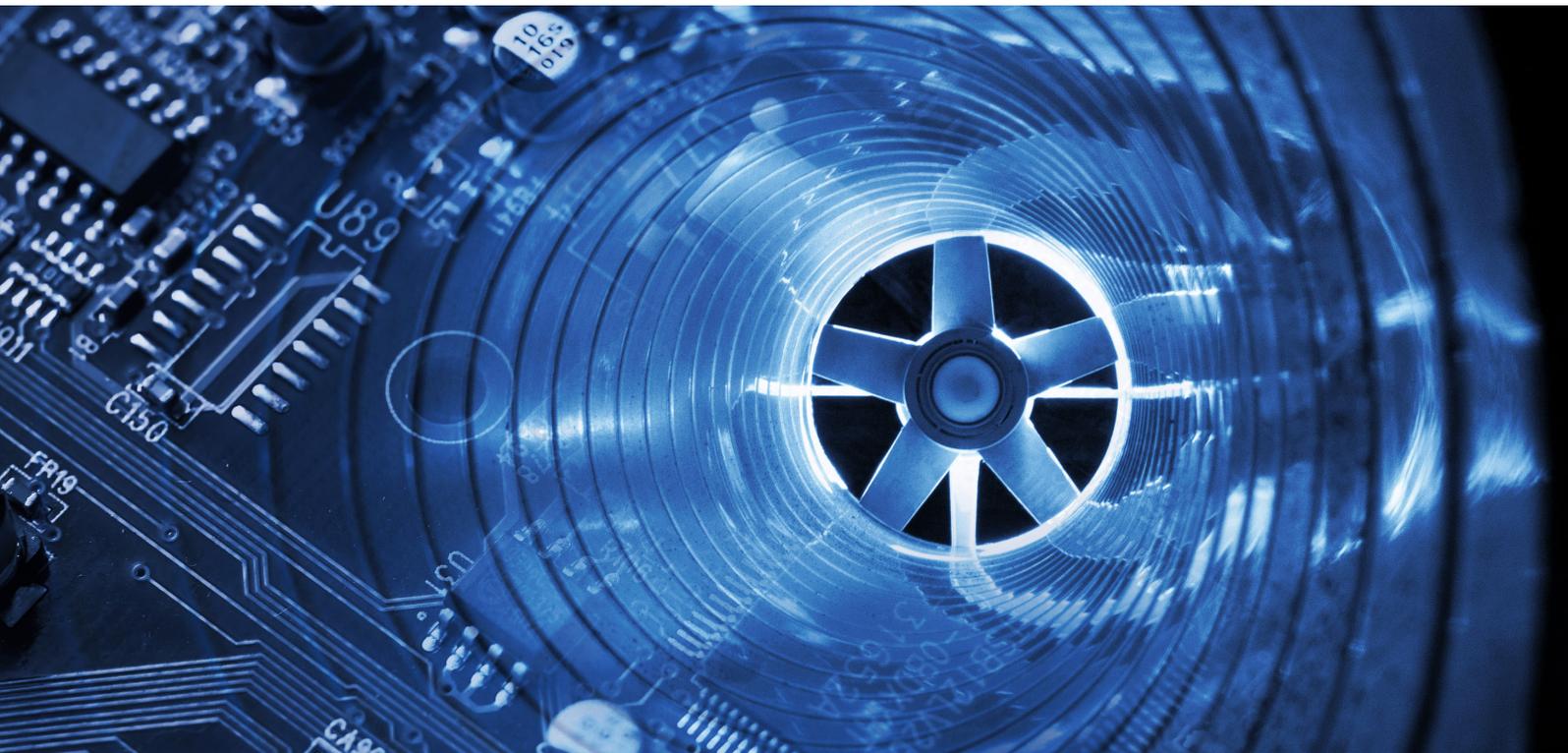


# HVAC

control  
solutions

---

intelligent, innovative and easy to use



# Monitor indoor air quality

## **We create your perfect environment.**

Indoor climate is the result of an interaction between different factors: the external climate, the building and its installations, contaminant sources, processes and activities, building occupants, etc.

## **We optimise your indoor air quality.**

The control solutions of Sentera optimise the supply of fresh outdoor air and the extraction of stale indoor air in function of these factors. Demand based ventilation increases your comfort while the indoor air quality is optimised and significant energy savings will be realised.

## **Sentera HVAC sensors measure or control following parameters:**

- Temperature
- Relative humidity
- Differential pressure
- CO<sub>2</sub>
- Air flow
- Air quality (TVOC)
- Toxic gases (CO, NO<sub>2</sub> and LPG)



# Intelligent control solutions

**Sentera HVAC control solutions are easy to use!** We create innovative solutions that are easy to use, to install and to configure. All Sentera devices exchange information via the Modbus RTU communication protocol. All devices are connected via one UTP cable – both communication and power supply are distributed via a single cable. We call it 'Power over Modbus' or 'PoM'. Our innovative control solutions can operate stand-alone or they can remain connected to the internet (SenteraWeb) for data logging, remote access, etc.



- Intelligent fan speed control and demand based ventilation
- Control systems for Air Handling Units
- Condensation prevention
- Air curtain control
- Ventilation systems for public and residential buildings
- Control solutions for kitchen hoods

# Fan speed control for AC or EC motors

**Fan speed control has been our core business since 1997.** Thanks to this in-depth expertise, Sentera offers control solutions for almost every AC and EC motor. Local control, remote control or demand based fan speed control? The numerous options comprise electronic and transformer fan speed controllers, frequency inverters, potentiometers and switches for stepless or stepped fan speed control. To complete the range and render thorough solutions, we provide motor maintenance and emergency switches.

Our products offer effortless installation, remarkable energy savings and precise control contained within a user-friendly design. On our website you can download technical specifications, detailed mounting instructions and wiring diagrams.



# What makes us unique?

Sentera is a leading manufacturer of control solutions for the HVAC industry. We provide the new breakthrough technologies and solutions required to control ventilation systems.

## We offer you our knowledge and support

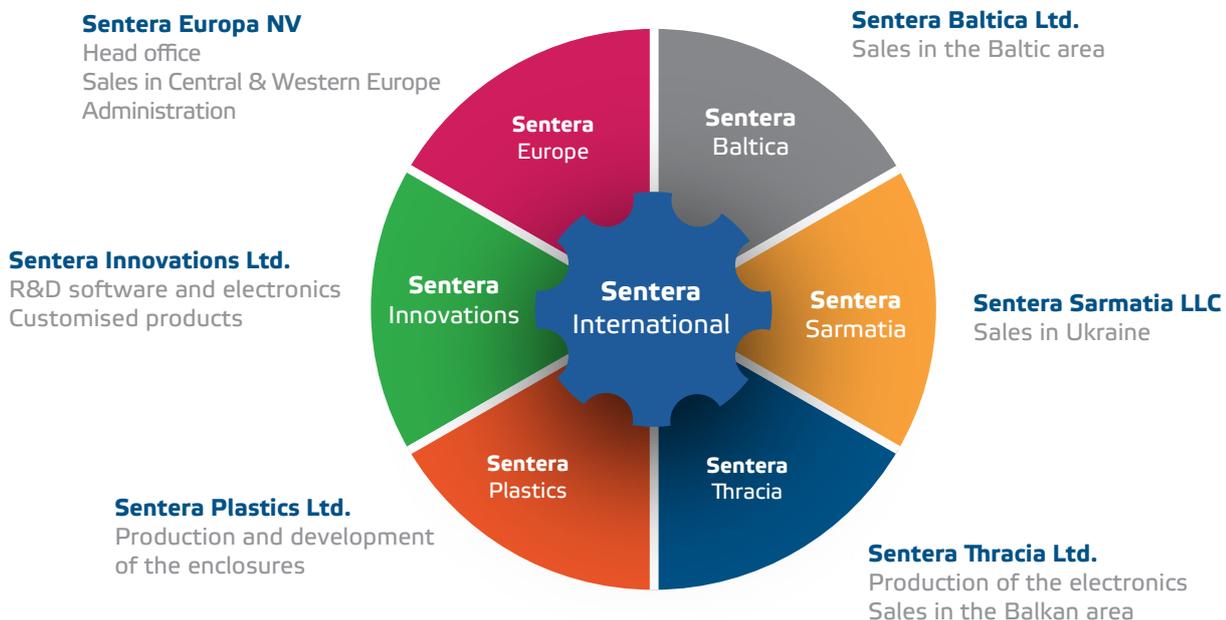
The Sentera Group was founded in 1997 and has been expanding ever since. It currently comprises 8 companies and a total of 150 employees throughout Europe. The organisation serves the markets worldwide through a growing number of distributors and partners.

## More than two decades of expertise in the HVAC industry

Dedicated to developing and manufacturing high-quality products at reasonable prices, Sentera's R&D teams release state-of-the-art devices to enhance the comfort whilst realising energy savings. Our control systems realize energy savings and optimize the comfort in the residential housing industry and public buildings, all the while increasing the profitability.

## Quality, flexible and easy to use products and solutions

Our reliable and feature-rich hardware cost-effectively addresses all project needs and simplifies wiring and installation via 'Power over Modbus' - both Modbus RTU and 24 VDC power supply are distributed via one cable.





**Sentera Europa NV**

TTS Industriezone D  
Duitslandstraat 9  
BE-9140 Temse  
Tel.: +32(0)3 771 36 51  
Fax: +32(0)3 711 04 72

**Sentera Thracia**

4, Bash Para str.  
BG-4135 Voivodinovo  
Tel.: +359 (0) 32 601 841  
Fax: +359 (0) 32 601 844

**UAB Sentera Baltica**

Vaidoto g. 33  
LT-76145 Šiauliai  
Tel: +370 41 421 941  
Fax: +370 41 421 941

**Sentera Sarmatia**

Yaroslav val 21-D  
UA-01034 Kiev  
Ukraine  
Tel: +380 44 2255 657