



www.vtsgroup.com



VTS Group – a leader in HVAC sector

VTS Group is a leading provider of Air Handling Units and heating appliances for commercial applications, focused on offering innovative products at competitive price with a quick turn-around.



Click or scan the code
to watch a corporate movie





A Global corporation with European origins

No. 1 IN EUROPE

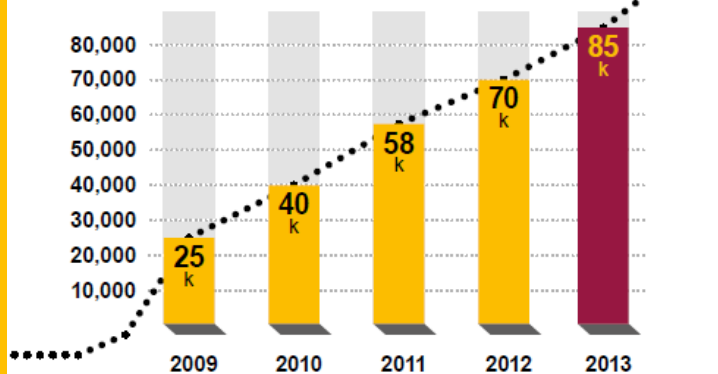
5 continents
40 countries
350 technical sales consultants
630 000 devices sold



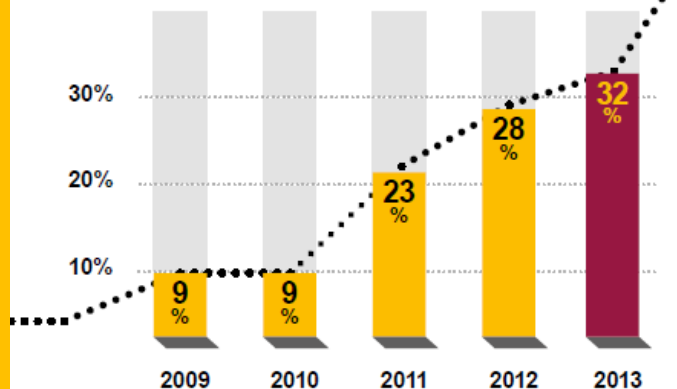


VTS Group **dynamic growth**

VTS Group dynamic growth
products sales increase in time



VTS Group dynamic growth
– sales increase in time





VTS America

VTS America **entered the market** in 2014 offering the AHU tailored to the needs of American market.

Production Plant in Atlanta as well as assembly hub and training centre.



VTS is bringing simplistic, yet high-quality air handling solution to the U.S. and look forward to expanding awareness in this market of global application successes to date.





VTS Group – business model



The innovation of the VTS Group model consists in moving the production into the **Production Plants** where the whole manufacturing procedure takes place according to the patents, procedures and modern standards of the VTS Group.

! The high quality manufacture of VTS units is the result of the **strict and up to date standards developed by VTS Group** and independent international leading expert laboratories.



Each VTS unit is tested
top quality on very competitive price level!



No leakages.

Vibrations.

Noise level.

Start up.

**Quality
guarantee**



VTS Group – Production Plants

even 1 WEEK
delivery time

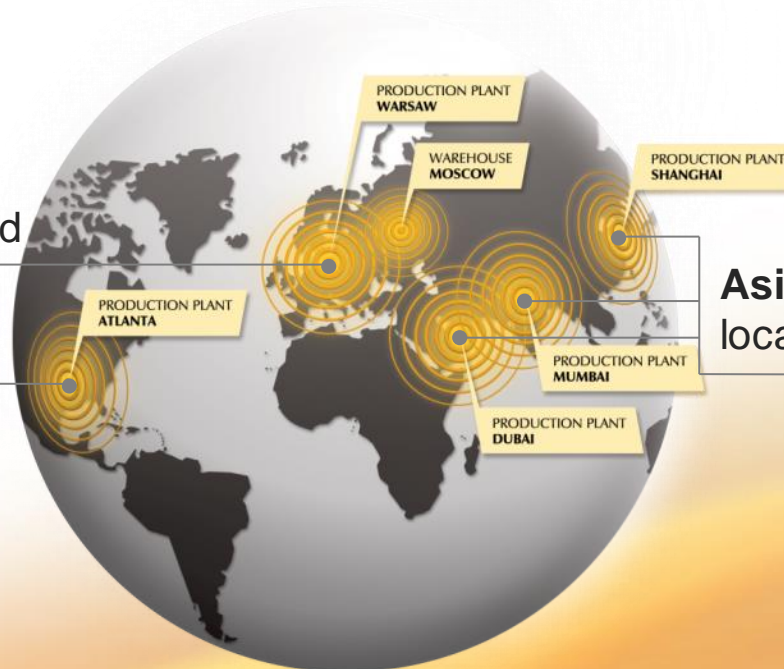
5 Production Plants on main markets:

Europe:

located in Warsaw, Poland

USA region:

located in Atlanta, USA



Asia, Pacific and Middle East:
located in China, UAE and India



VTS Group – Product offer

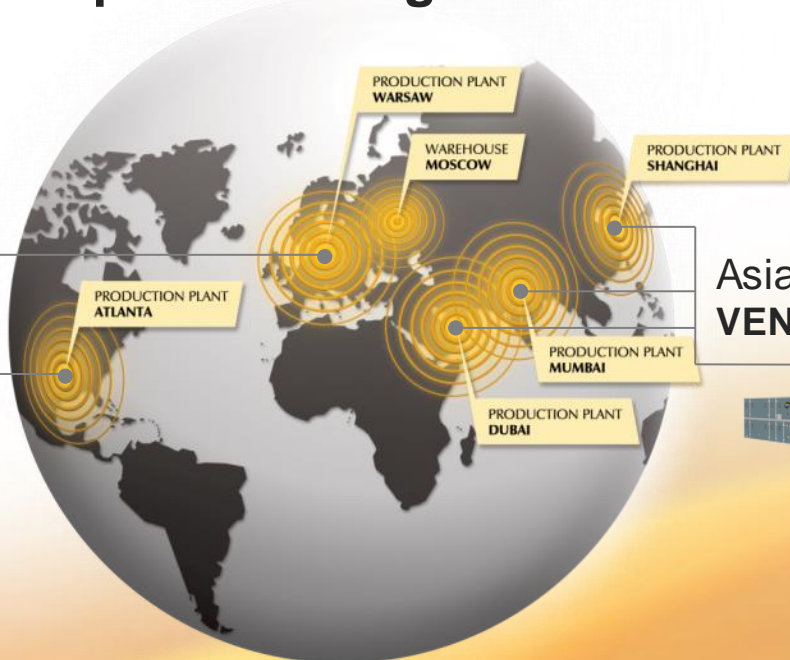
**in VTS
Global offer**

Product offer range in particular regions:

Europe:
**VENTUS, VENTUS N-type,
DEFENDER, VOLCANO**



USA region:
VENTUS Born in the USA



Asia, Pacific and Middle East:
VENTUS, VENTUS S-type





VTS Group – operations

315

AHUs daily

over
100,000
AHUs yearly





Short LEAD TIME
- unique on the market

even
1 week





Unbeatable price

High quality
available for everyone





Multi-purpose air handling and conditioning units

ventus



VTS



Multi-purpose VENTUS air handling and conditioning units



- Building of any capacity - from restaurants, through trading centres to huge Production Plants



- All kinds of buildings - residential, commercial, industrial



- Base air handling units supported by wide range of optional air treatment functions



Multi-purpose VENTUS

air handling and conditioning units

16 sizes
available

400 m³/h to 100,000 m³/h
capacity ranges

10

15

21

30

40

55

75

100

120

150

180

230

300

400

500

650

optimal size for optimal air flow



Innovative **FRAMELESS** casing technology patented by VTS



Highest possible leak-proof design

Minimized energy loss

Exceptional integrity

No thermal bridges

Corrosion resistant

Easy assembly

Compact size

Modern design



**unique C-shape casing ensures
excellent integrity and
rigidity of the AHU**



High performance and low noise

direct drive PLUG fans



Maintenance free fan-set

Substantial energy savings

Smooth performance regulations
using VFD technology

High efficient direct drive
- elimination of V-belt transmission.

Silent operation thanks to innovative airfoil
blades with unique trailing edge shape.



VTS GROUP provides **ENERGY EFFICIENT**
and **SMART ENERGY** solutions

AHU may be equipped with:



Rotary regenerator



Plate cross-flow recuperator



Run-around coil

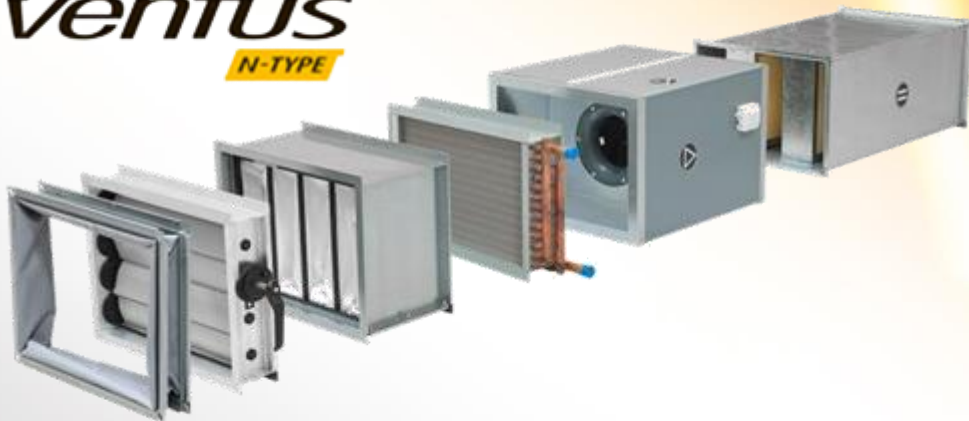
70% of AHU units
sold in 2013
was with energy recovery





VENTUS N-type series duct air handling units

ventus
N-TYPE



VTS



VENTUS N-type series **duct air handling units**

- designed for reliable operation in the most demanding conditions.



- ➔ Multiple functions available.
- ➔ Easy operation and maintenance.
- ➔ Compact sizes.
- ➔ Quality guarantee – 3 year warranty.
- ➔ Low operating cost.



Proven technical solutions:

- High performance, no-maintenance direct drive PLUG fans.
- Rigid and durable casing offered as a standard feature due to the use of advanced Monocoque technology.

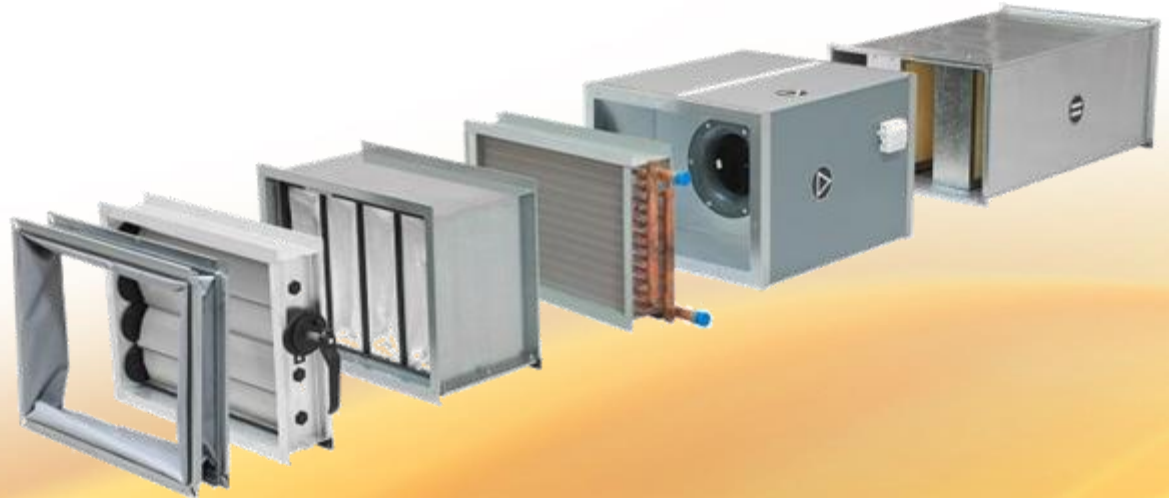




VENTUS N-type series **duct air handling units** offer flexible equipment configuration.

Each size is composed of the basic elements - **easy selection of the functions to the individual needs.**

- Fan or fan + cooling
- Heating
- Filtration
- Attenuation
- Cross-flow heat recuperator
- Control unit based on the "OPTIMA" controller





Reliable VENTUS S-type Suspended Unit

ventus
S-TYPE



VTS



Reliable VENTUS S-type **Suspended Unit**

– perfectly tight construction

**Top quality on very
competitive price level!**

- Modern, reliable technology – Monocoque.
- High performance direct drive PLUG fans
- Significantly reduced noise.
- Basic AHU with cooling function.
- Compact size and low weight units.
- Air flow range – advanced performance.





Reliable VENTUS S-type **Suspended Unit**

– perfectly tight construction



**Availability unique
on the market**





VENTUS Born in the USA



ventus 

VTS



VENTUS Born in the USA

ready-to-install convenience in a compact air handling package



- Wide range of application
from 1400 to 14500 m³/h
- 9 sizes available
- Horizontal and vertical configurations
- Operation in different climate conditions
from -40°C to 65°C



VENTUS Born in the USA

ready-to-install convenience in a compact air handling package



Innovative FRAMELESS casing

Maintenance – free PLUG fan

Low weight

Unit may be supplied with:

- Energy Recovery Wheel,
- Cross-plate energy recovery,



Heating appliances of reliable,
European quality





VOLCANO water heaters meet the requirements of the most demanding customers



- Low noise and low device weight.
- Failure-free operation
- High performance of the fan assembly.
- Fast and easy installation in both vertical or horizontal position.
- Full range of parameter adjustment.
- Low operating cost.





VOLCANO mini durable and robust heater

Innovative design merged with very good technical parameters.

- Ultralight 9.8 kg
- Innovative **polypropylene casing** ensures safe use and resistance to any mechanical damage.
- Immediate availability



VTS ***EUROHEAT***

High performance

VOLCANO mini

Heating power: 3-20 kW
Efficiency: 2000 m³/h
Double row exchanger
Weight: 9.8 kg



VOLCANO VR1

Heating power: 10-30 kW
Efficiency: 5500 m³/h
Single-row heat exchanger
Weight: 29 kg

VOLCANO VR2

Heating power: 30-60 kW
Efficiency: 5200 m³/h
Double-row heat exchanger
Weight: 32 kg





Reliable air curtain DEFENDER – versatile application



DEFENDER air curtains are available

- in three sizes: **1 m; 1.5 m; 2 m**
- in two versions
 - **with a water heater,**
 - **with an electric heater.**

Full size range of both air curtain versions.
Three steps for fan speed adjustment.
Excellent technical parameters.



Excellent parameters - exploitation savings

DEFENDER WHN

with a water heater

- a highly efficient cross-flow fan
- wide range of heating capacity
- heating power: **7.5kW - 28kW**

DEFENDER EHN

with an electric heater

- high efficiency & cost-saving electric heaters
- overheating protection
- heating power: **6.0kW - 13.5kW**





DEFENDER air curtains **make a good investment**

- High quality unique on the market and extraordinary casing design.
- Flexible installation – air curtains with a water or electric heater can be installed in both vertical and horizontal position.
- Reliable European quality and attractive price.
- Fan made with the use of plastic injection molding.
- Safe, maintenance-free operation.





LIFETIME WARRANTY

On the casing of VTS EUROHEAT products



VOLCANO
VR1 / VR2 / mini



DEFENDER
WHN / EHN

Lifetime*
Warranty



Clima CAD On-Line

log in at www.vtsgroup.com

It takes **60** seconds
to select your AHU

Parameters calculation
certified by **EUROVENT**





Confirmed quality

The highest quality of **VTS devices** are appreciated by the **leading world experts** - including **EUROVENT, TUV, BVQI, Rostest, MBF-TMB** which is confirmed by certificates granted:



EUROVENT - confirms the accordance of parameters of designed units calculated with the use of ClimaCAD On-line (CCOL) with real operating parameters.



CE - VTS devices comply with safety standards in accordance with EU guidelines.



TUV – PN-EN 1886, PN-EN 13053 are the two most important standards on the European market describing parameters and the quality of ventilation and air conditioning units.



ISO 9001 - a quality management system that guarantees the full reproducibility for every VTS device. **ISO 14001** certificate confirms efficiency of the environment management system.

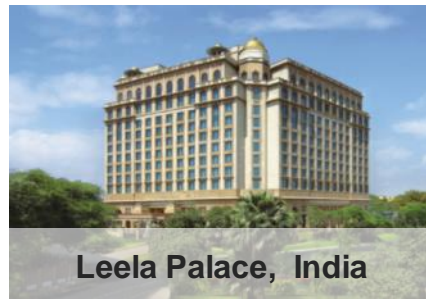


They trust us...





Reference objects - **HOTELS**





Reference objects – **COMMERCE AND SPORTS**



Football stadium, Russia



Century Hall, Poland



Audi, UAE



Al Salam Mall, Kuwait



VOLVO, Poland



Fencing Centre, China



Hokkey arena, Russia



IKEA, China



Reference objects – **APPARTMENTS, OFFICES**





Reference objects – **PUBLIC FACILITIES**





THANK YOU

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