



THE **GLOBAL** PLAYER

Newsletter 1/2021



WING PRO - air curtains for professionals

- | New air-handling units available in VTS offer
- | HEX module available in modular air-handling units

VTS

Introduction

Dear All,

We are happy to present to you the next issue of VTS corporate newsletter.



In the current edition, we pay particular attention to the **new line of air curtains** intended for industrial facilities – **WING PRO**. The devices we place on the market are equipped with **EC motors** as a standard. The new curtain has **excellent technical parameters**, including the largest of the equipment available on the market, range of air stream reaching 8 meters. Another novelty that we are presenting is the **new series of types of supply and exhaust air-handling units** built using the technology that we have used to date in the construction of compact air-handling units. The application of new design solutions has allowed us to **reduce the size of the units**, creating an excellent alternative to widely used modular air-handling units. The new devices are equipped with **EC motors** which have already become a standard in VTS's product offer.

I would like to take this opportunity to invite you very warmly to participate in the product webinars that we run "live" from VTS factories located in Warsaw, Moscow, Bangalore, Dubai and Atlanta. A brief summary of the seminars that we organised this year is presented in the following part of the material.

Enjoy your reading.

Jarosław Filipowicz, CEO at VTS Group

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WING PRO by VTS

AIR CURTAINS FOR PROFESSIONALS



ON SALE NOW

VTS starts the air curtains revolution ... again

Indeed the air curtains market will change at the beginning of 2021. Since March 1st, the long-awaited industrial air curtain WING PRO EC is on sale.

We remember very well the revolution caused by WING air curtain premiere 5 years ago. Now VTS's curtain can be found in most of gas stations, groceries, shopping malls and huge DIY's.

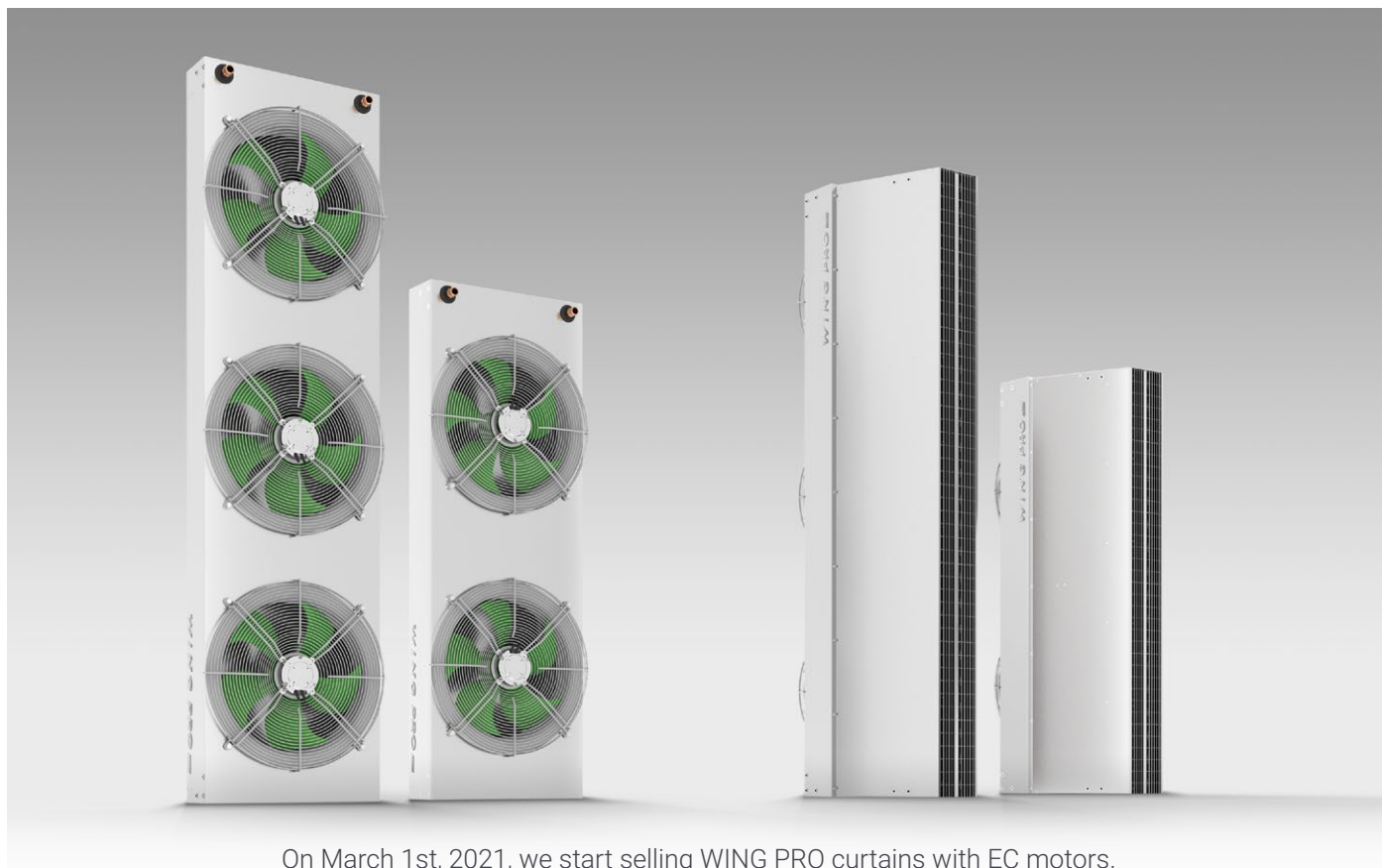
Wing, because of its unique appearance, changed approach to designing utility objects for good.

For some time our clients have signalled the need to extend the offer with curtains with greater power and range. *Industrial air curtains constitute a large part of the market, and the WING curtain, with a range of up to 4 m, satisfied only part of its demand - explains Marian Baran, EH Business Development Manager. Responding our customers' needs, as a supplement to the VTS offer, at the beginning of March we are introducing a device for special tasks - the WING PRO industrial air curtain.*

WING PRO – device for special tasks

The WING PRO line consists of three basic types: WING PRO C - ambient curtain, without heating function, with a range of up to 8 m and WING PRO W R1 and W R2 with a single or double-row water heating coil with a maximum range of 7.5 m and 7 m, respectively.

When creating the air curtain, we wanted, above all, optimal performance. The WING PRO curtain provides adequate protection against heat loss when opening the gate in logistic centers, factories, or transportation depots. Our goal was to protect gates up to 8 m. Thanks to the possibility of vertical installation, the curtain performs effectively in gates up to 16 m wide. Importantly, VTS provides assembly elements for joining the curtains into modules mounted both ways - vertically or horizontally.



On March 1st, 2021, we start selling WING PRO curtains with EC motors.
We will inform you about introducing the curtains with the AC motor in the coming news.

VOLCANO fans and double air stream.

The heart of WING PRO is a set of efficient fans well known from VOLCANO heating units. The air is compressed by 2 or 3 fan sets and heated by a single or double-row water coil. Two rows of exhaust grilles gently directed towards each other create a wide and strong air stream that effectively protects the building against heat loss when the gate is open at a distance of up to 8 meters.

Energy-efficient EC technology at an unbeatable price

At VTS, we always think economically. From the very beginning, we agreed that performance is not everything. The industrial WING PRO curtain has to become a technological alternative with a competitive price. *A well-thought-out selection of components, the use of fans sets from VOLCANO heaters, and proven solutions allow VTS to offer a curtain with a durable, energy-saving motor at a better price than our competitors offers for previous generation motored units. In short, WING PRO is currently the best offer on the market - Marian Baran sums it up.*

More materials available on producer website:
<https://vtsgroup.com/pl/wing-pro>



| New air-handling units available in VTS offer

In March 2021, VENTUS Compact VVS0021c-VVS150c compact air-handling units were made available in the configuration of supply and exhaust systems.

It means that VTS's offer includes competitive supply and exhaust air-handling units which:

- » are equipped with **high-efficiency fan wall units** with EC motors in class IE4,
- » are equipped with **MiniPleat filters** with more expanded filtration area,
- » have a **mineral wool casing** ensuring a high noise suppression coefficient and the highest fire resistance degree.

The functions are available in the following blocks **F, H, C, HC, CH, V, FV** convenient to transport or as channel

functions **HE, S**. Length of the fan block is only **450mm** and of the fan block with filter 630mm. The vast majority of the blocks are shorter than **900mm**, which will make it possible to easily use supply VENTUS Compact units in retrofits!

The supply and exhaust systems may be built in any configuration of the aforementioned blocks. Both external and internal are available.

In the first stage, the AL (aluminium) version will be made available, in the next HIPS HIPS (high-impact polystyrene).



The use of modernist solutions in compact air-handling units makes them highly competitive in the market. Compared with modular air-handling units in the compact air-handling units:

- » SFP was reduced by **20%**,
- » length was reduced even by **50%**,
- » weight was reduced on average by **15%**.

| HEX module available in VVS 055-150 modular air-handling units

The highly popular HEX Module which was only available in compact air-handling units, was also made available in VENTUS VVS 055-150 modular air-handling units.

HEX Module in modular air-handling units replaced the existing recuperators - cross-exchangers. The solution is available in the version with the aluminium (AL) exchanger and high impact polystyrene (HIPS) exchanger. The HEX Module is available in the cross-flow configuration with a bottom outlet for supply air. The HEX Module has a casing

made of mineral wool panels covered on both sides with sheet metal.

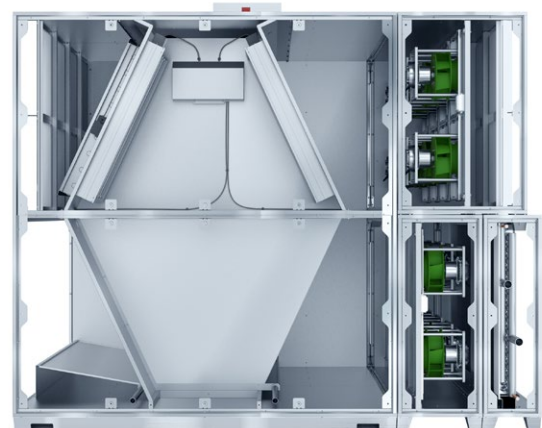
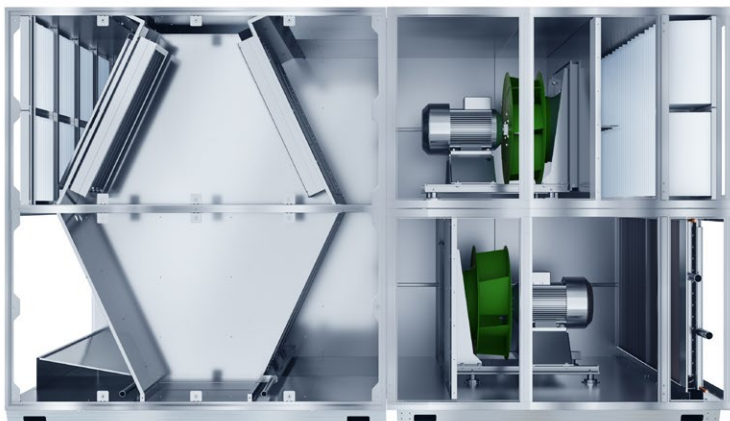
The newly designed HEX Module is characterised by high efficiency of heat recovery and low air stream resistance, which significantly improves the competitiveness of the VTS offer.

HEX Module

Modular air-handling units



Compact air-handling units



| New HMI Advanced - PGDx replaces PGD1

The new, more legible and intuitive interface, touch screen, reading of functions from the application code, parameter reading diagrams are only some of the new HMI Advanced functionalities intended for the advanced user and unit start-up teams.

Below we present selected functionalities and properties of the new HMI Advanced:

MAIN WINDOW

The main PGDx window displays information about the status of the air-handling unit and main settings, such as:

- » set air temperature,
- » actual air temperature,
- » activation percentage of supply and return fans,
- » current mode of operation,
- » status of heat recovery system



DIAGRAM OF WORK TRENDS

It allows the removal of the main parameters of the air-handling unit, such as air temperature setting, actual and external temperature.

This diagram can show how the actual temperature in the rooms served follows the setting under different outdoor air conditions.



SETTING MENU

The setting menu is a type of centre from which it is easy to access the main settings of the air-handling unit, such as:

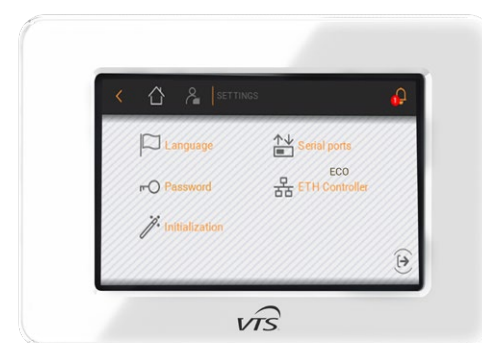
- » modification of air parameters assigned to each mode of operation,
- » clock settings,
- » schedule settings - allows to edit the work schedule of the air-handling unit in various ranges, such as "Day", "Period" and "Special".



MAIN INTERFACE SETTINGS

This screen allows to modify the main settings of the PGDx interface, such as:

- » language - current language of the interface,
- » password - allows to change the password opening the "service" mode
- » serial ports, ETH controller - details of remote communication settings of your interface.



| VTS webinars

In 2021, VTS Group continues the cycle of webinars that we launched last year.

The main objectives set by the company in this project are:

- » maintaining current relations with investors, designers and HVAC installation contractors
- » acquiring new customers and dealers.
- » maintaining a high level of technical knowledge of the commercial structure,
- » raising VTS brand awareness as a global business partner in the HVAC industry.

At the time of the pandemic, webinars have become an indispensable element of external and internal communication in companies. In order to distinguish VTS, it

focuses on transmission quality and a high level of content. The company uses professional audio and video equipment to organise webinars and uses a dedicated Internet platform to support the entire event. VTS webinars are run directly from the R&D department or the company's factories. Thanks to this formula, participants of the event have active contact with the instructor, can see any details related to the product, and can also get to know the process of its production. A session of questions and answers shall also be held before the end of each webinar, where participants may ask about additional presentation issues.

In conclusion, VTS organised in the first quarter of 2021:

FOR CUSTOMERS



140
webinars



2000
participants



58
countries

FOR ITS OWN SALES STRUCTURE



24
webinars

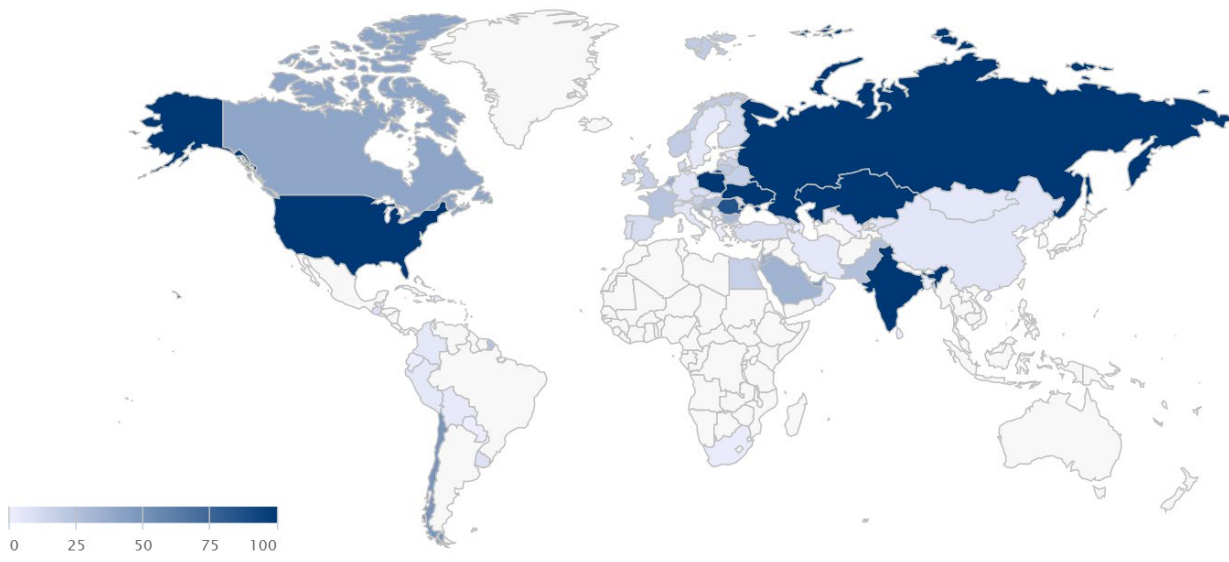


400
engineers



20
countries

A map showing the countries of origin of persons taking part in the VTS Group webinars.





▶ **LATEST REFERENCES**



Building: **Mag City-Meydan Dubai Phase 1**
 Country: **UAE**
 City: **Dubai**



Building: **Uptown Gateway Office Building**
 Country: **USA**
 City: **Cincinnati**



Building: **Cross-country Ski and Biathlon Center**
 Country: **Poland**
 City: **Jakuszyce**



Building: **Riad Metro-Package 3 (Line 4,5,6)**
 Country: **KSA**
 City: **Riyadh**



Building: **Hyundai motor manufacturing**
 Country: **Russia**
 City: **Saint Petersburg**



Building: **Clinica Diaverum**
 Country: **Romania**
 City: **Calarasi**



Building: **Hiiumaa sports centre**
 Country: **Estonia**
 City: **Hiiumaa**



Building: **National Bank**
 Country: **Hungary**
 City: **Budapest**



Building: **Sobyitie residence complex**
 Country: **Russia**
 City: **Moscow**



Building: **Outpatient Clinics Building Expansion at Dubai Hospital**
 Country: **UAE**
 City: **Dubai**



Building: **Suez Complex**
 Country: **Egypt**
 City: **Suez**



Building: **Veterinary department, M. Kopernik University**
 Country: **Poland**
 City: **Toruń**



Building: **Plenty Farms**
Country: **USA**
City: **San Francisco**



Building: **Amsaf Mall**
Country: **UAE**
City: **Dubai**



Building: **Kafd Parcel-2.08**
Country: **KSA**
City: **Riiyadh**



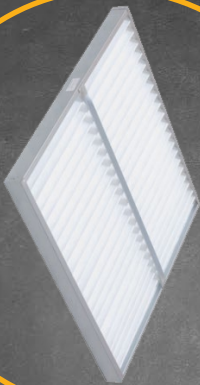
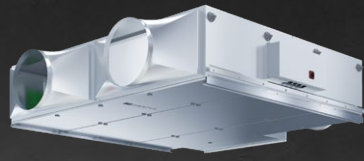
Building: **Olainfarm**
Country: **Latvia**
City: **Olaine**



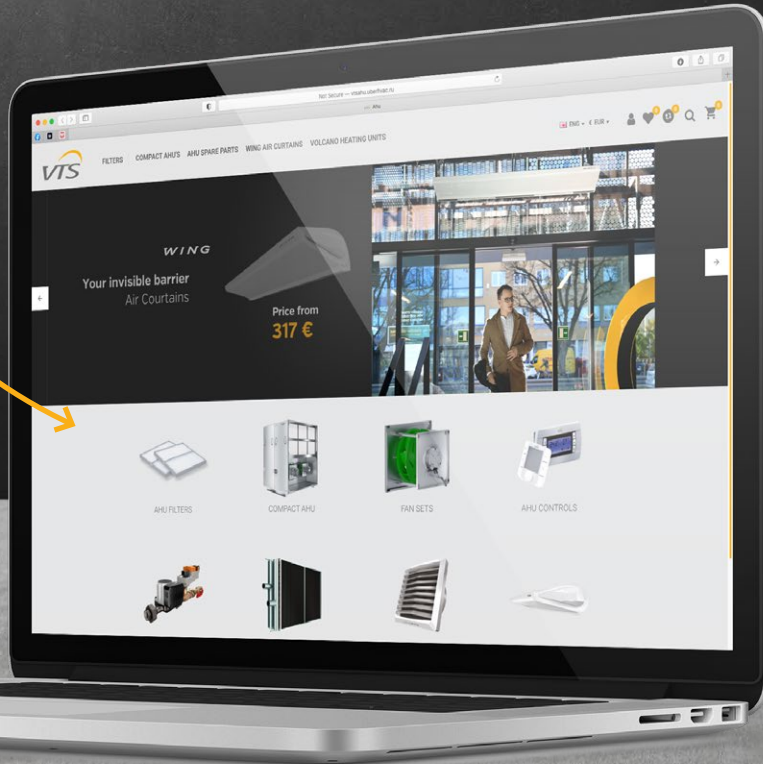
Building: **Heliport Bacau**
Country: **Romania**
City: **Bacau**



Building: **Alphabet Twin Towers**
Country: **Iran**
City: **Qeshm**



FILTERS
COMPACT AHU
AHU
SPARE PARTS
AIR
CURTAINS
VOLCANO
HEATING UNITS



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