

REFERENCE BOOK  
2018



VTS



01

## VTS GROUP

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**VTS GROUP** – is a manufacturer of technically advanced equipment for the HVAC sector using innovative technologies in the area of project research, production and logistics.



**24/7** AVAILABILITY  
**IMMEDIATE**

\* Logistics centre

# OUR MISSION

**no. 1** AHU  
MANUFACTURER  
IN THE WORLD





## 3 CONSTITUENTS OF SUCCESS

Consistently superior quality of products. Unbeatable prices in the market. The shortest lead time. These three constituents of market policy ensure that VTS is always one step ahead, in every region of the World.

Following the proven assembly method of the automotive Industry, VTS created the network of 6 efficiently functioning logistics centers (**Atlanta, Dubai, Moscow, Shanghai, Warsaw and Bangalore**) thanks to which it guarantees the shortest delivery terms in the market regardless of the region in the world.

Mass scale production of reproducible devices makes it possible for VTS to offer them at **the most competitive price and retain their best quality.**

Multilevel quality control systems enables VTS to offer **2-year guarantee of the trouble free operation of equipment in the standard package.**

**24/7** AVAILABILITY  
**IMMEDIATE**

**6** LOGISTICS CENTERS  
PRODUCTION

**\$** competitive price

**110 000**  
SOLD EQUIPMENT  
UNITS ANNUALLY

**Q** the highest quality

**2** YEARS guarantee FOR EACH DEVICE



# QUALITY

Repetitive and high quality of VTS devices is confirmed by independent certificates.



**EUROVENT**- this certificate confirms the compliance between the parameters of designed devices calculated by means of the ClimaCAD On-Line (CCOL) selection programme with actual operating parameters.



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



**CE**- VTS devices comply with safety standards following from the EU guidelines.



**ISO- ISO 9001** guarantees full repeatability of all VTS devices. **ISO 14001** confirms an effectively operating environmental management system.



**UL 1995** - American VENTUS centres comply with a number of rigorous safety requirements established for devices on the US and Canada market. The devices have been tested by an independent ETL laboratory for structure durability and safety of usage.



**AHRI- AHRI 410 (2001)** - this certificate covers heaters and coolers installed in VTS devices. It confirms the reliability of the thermodynamic data presented in the ClimaCadOnLine software.



**AMCA** - this certificate covers VTS plenum fans (plug-fans) with sizes VS 225 - VS 450 as well as multi-section air dampers manufactured by VTS. They have been tested in an AMCA laboratory in the USA for air flow resistance and tightness (AMCA 511).



# Global product offer



VENTUS  
Air handling unit



AMERICAN VENTUS  
Air handling unit



VENTUS COMPACT  
Air handling unit



VENTUS N-TYPE  
Air handling unit





## VENTUS S-TYPE

Air handling unit



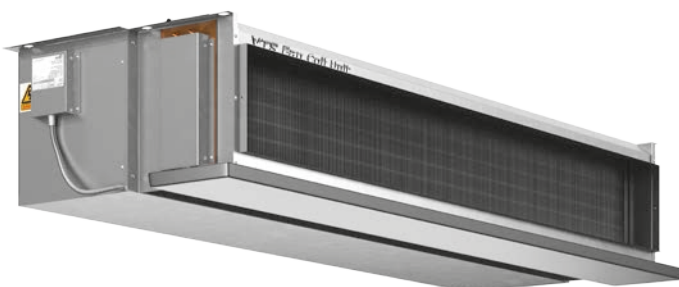
## VOLCANO

Water heater



## WING

Air curtain



## FAN COIL UNIT





02

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**VTS  
REFERENCE  
FACILITIES**

# Hotels



## Ritz Carlton

UAE/ Dubai

The only 5\* hotel located in the Dubai International Financial Centre, inspired by Art Deco style. It hosts three world-class restaurants.



## Four Seasons Hotel

China/Hangzhou

Four Season is a 5\* hotel, the style of which is a combination of Chinese tradition and contemporary elegance. It has been inspiring many painters and poets for ages. It is surrounded by numerous streams, lagoons and ponds, on which one can navigate in wooden boats.



## The Claridges

India/ New Dehli

One of the most renowned hotels in New Delhi. A perfect combination of elegance and modern luxury which is located in close vicinity of the capital's vibrant shopping and cultural centres.



## Le Meridian

Lithuania/ Vilnius

It is a 5\* hotel complex located in a picturesque scenery, which offers 185 comfortable rooms and apartments as well as, among others, a master-class golf course and a SPA zone.



source of images: [www.constructionweekonline.com](http://www.constructionweekonline.com)

## Holiday Inn

Qatar/ Doha

The hotel is located only 2 km from the international airport in the very centre of the capital's business district. It hosts 346 rooms and a ballroom with the floor area of 1 200 m<sup>2</sup>.



source of images: [www.ihgplc.com](http://www.ihgplc.com)

## InterContinental Hotel

UAE/ Dubai

A luxurious 5\* hotel boasting a breathtaking view from its every spot. The hotel guests have 498 exclusive rooms at their disposal, including 121 apartments, 3 presidential suites and 1 royal suite as well as 5 restaurants with an exquisite view of the marina.



source of images: [www.yandex.ru](http://www.yandex.ru)

## Hilton Garden Inn

Russia/ Krasnoyarsk

First world-class hotel in Krasnoyarsk. The facility offers 259 air-conditioned rooms. There is also a restaurant, gym, and conference rooms in the building.



source of images: [www.vtsgroup.com](http://www.vtsgroup.com)

## Novotel

Kazakhstan/ Almaty

Located in the south capital of Kazakhstan, the hotel offers 185 rooms and 6 apartments. The guests also have the access to the swimming pool and a SPA zone.

# Industrial facilities



source of images: www.tesla.com

## TESLA Gigafactory

USA/Sparks

TESLA Gigafactory is the world's biggest lithium-ion battery factory. The name "Gigafactory" comes from the scheduled annual production capacity of batteries, which amounts to 35 Gigawatt hours (GWh). Currently the factory covers the area of about 50 hectares.



source of images: www.controlsolutions.pl

## Audi

Hungary/ Gyor

Motors for Audi AG and other companies forming a part of Volkswagen Group are manufactured in the Hungarian plant of Audi Hungria MOTOR. In 2015 160,206 cars were produced there.



source of images: www.flota.v10.pl

## Fiat Auto Tychy Factory

Poland/ Tychy

The FCA Poland site in Tychy has the floor area of 2.4 million m<sup>2</sup>, out of which the production halls and service buildings occupy 0.5 million m<sup>2</sup>. It is one of the largest production sites in Europe. One car leaves its assembly lines every 35 seconds.



source of images: www.crane-expo.ru

## Hitachi

Russia/Tver

Heavy equipment production site of the Japanese company in the region of Tver was constructed in 2012. The production scale in the factory is 2 000 medium-sized hydraulic excavators per year.



source of images: [www.autoindustry.ro](http://www.autoindustry.ro)

## Pirelli Factory

Romania/ Slatina

The company started production in 2006 and it reached a record sum of 50 million tyres manufactured in August 2015.



source of images: [www.raba2.pl](http://www.raba2.pl)

## Honeywell

India/ Madurai

Honeywell Technology Solution (HTS) Building. It is one of the few (located worldwide) company's R&D centres where managers research innovative solutions in the field of heating systems and Bridgestone turbo compressors.



source of images: [www.btest.ru](http://www.btest.ru)

## Bridgestone

Russia/ Ulyanovsk

The first Bridgestone factory in Russia. The investment value amounted to 12.5 billion roubles. The scheduled production capacity is 4 million radial tyres per year.



source of images: [www.insideeys.com](http://www.insideeys.com)

## ICB Pharma

Poland/ Jaworzno

Modern factory of sanitary hygiene preparations and ecological products for agriculture. The estimated value of the project is 20 million zlotys.

# Residential and office facilities



source of images: www.polytopian.com

## Hangzhou Raffles Plaza

China/ Hangzhou

Hangzhou Raffles Plaza is a complex with the floor area of 28 million m<sup>2</sup> located in the business centre. The design of the building has been inspired by the wave movement of the nearby Qiantang river.



source of images: www.skyscrapercity.pl

## Talan Towers

Kazakhstan/ Astana

Talan Towers is the first exclusive, multi-functional project in Astana that creates the new level of quality of life and services in the capital. The main components are the luxurious hotel and residence- the Ritz Carlton, the Talan business centre and the shopping mall.



source of images: www.skyscrapercity.com

## Prime Corporate Center

Poland/ Warsaw

Prime Corporate Center is an A class office tower with the total height of 96 m. The building with a glass façade has a terrace with a panorama view of the city.



source of images: www.vicco.vn

## Tata Consultancy Services

India/Chennai

TCS building combines the elements of traditional Hindu architecture with modern design. From the bird's eye view it resembles six butterfly wings intertwined with a connecting line. The complex consists of a total of 12 buildings of different size, connected by means of one line.





source of images: www.architect.com

## Váci Greens

Hungary/ Budapest

One of the largest business centres in Budapest. The buildings located in the city centre have the total office area of 85 000 m<sup>2</sup>.



source of images: www.constructionweekonline.com

## Atria Towers

UAE/Dubai

The Atria Towers is a multi-functional, 30-storey complex of two towers in Business Bay, intended for hotel apartments.



source of images: www.vistgroup.com

## Baltic Pearl Complex

Russia/ St. Petersburg

Baltic Pearl is a new district of St. Petersburg characterised by innovative design and modern buildings. The building has the total floor area of 1.76 million m<sup>2</sup>, out of which over one million m<sup>2</sup> is intended for residential use and over 600 000 m<sup>2</sup> for commercial applications.



source of images: www.avitech.ro

## Oregon Park

Romania/ Bucharest

Modern business centre, designed on the basis of BREEAM standards, located in the very heart of Bucharest.

# Public utility services



source of images: [www.wikipedia.org](http://www.wikipedia.org)

## Public Hospital No. 1

China/ Shanghai

Building with the floor area of over 60 000 m<sup>2</sup>. The Hospital boasts professional technical facilities and high class experts of more than 26 medical specialties.



source of images: [www.visgroup.com](http://www.visgroup.com)

## Technology Park

Czech Republic/Pisek

The Technology Park was put into operation in 2013. Its main fields of interest include the development of modern IT technologies projects, in particular concerning data centres and cloud data storage.



source of images: [www.ethnospb.ru](http://www.ethnospb.ru)

## Russian State Library

Russia/ St. Petersburg

The national library of the Russian Federation, set up in 1862 at the Rumyantsev Museum. The book collection comprises over 3.8 million volumes in 274 languages.



source of images: [www.fasv.it](http://www.fasv.it)

## Presbyterian Weill Cornell Medical Center

USA/New York

New York- Presbyterian Hospital consists of two different medical centres. In 2011 it ranked 4th among 100 best evaluated hospitals in America.



source of images: www.vistgroup.com

## Chamber of Commerce and Industry

ZEA/ Sharjah

Three-storey seat of the Chamber of Commerce and Industry. The building comprises, among others, the market halls where fairs are organised during which local products are presented.



source of images: www.washandgo.wordpress.com

## The Royal Castle

Poland/ Warsaw

The Baroque and Classicist royal castle located in Warsaw at Plac Zamkowy 4, which serves as a museum and performs representative functions. In 1980 the Royal Castle, together with the Old Town, was included in the UNESCO World Heritage List.



source of images: www.nowinyzabrzańskie.pl

## Silesian Centre for Heart Diseases

Poland/Zabrze

The Silesian Centre for Heart Diseases is one of Poland's leading hospitals specialising in cardiology and cardiac surgery. 12 heart surgeries are performed each day.



source of images: www.hksinc.com

## Aster DM Healthcare

India/ Kochi

The most advanced healthcare centre in Southern India. It consists of 8 wards with 670 places for patients.

# Sports facilities



## Ice Arena

Kazakhstan/ Almaty

Almaty Ice Palace is a multi-purpose indoor arena. It will host the Winter Universiade 2017 matches and will seat 12 000 spectators for ice hockey. Apart from hosting ice hockey matches, the arena will venue for boxing, basketball, concerts and other events.



## Otkrytije Arena

Russia/ Moscow

The sports facility is located on the territory of Tushino district of Moscow, next to the Volokolamsk Highway. It was inaugurated on September 5th, 2014. The total number of seats is 44 000.



## Lublin Arena

Poland/Lublin

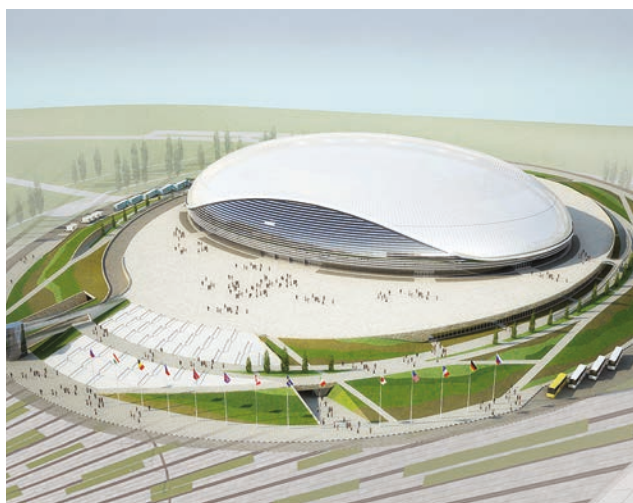
Lublin Arena is a facility intended for both football matches and concerts. The total number of seats is 15 500.



## Cracovia stadium

Poland/ Cracow

The stadium was constructed in 1912 and it is the oldest stadium in Poland used for league matches. The total number of seats -15 114.



source of images: www.vistgroup.com

## Bolshoy Ice Dome

Russia/ Sochi

The "Bolshoi" ice dome is the sports and entertainment hall in Sochi, constructed as one of two hockey-on-ice tournament arenas during the Winter Olympic Games 2014, next to the Shayba ice arena. The hall was commissioned in 2012 and it can hold 12 thousand spectators.



source of images: www.vistgroup.com

## Aquapark Poland

Poland/ Tarnowo Podgorne

A swimming pool and entertainment complex located near Poznań. This unique aqua park draws water from geothermal sources through the well with the depth of 1 200 m, which provides water at the temperature of over 45.7 degrees Celsius.



source of images: www.bb1.hu

## Swimming pool – Sports Centre

China/ Dalian

The swimming pool in Dalian Sports Centre comprises, among others, a 50 metre 10-lane pool for synchronised swimming, water polo and diving, including special platforms located at the depths of: 0.6, 2.6, 5.0, 7.5 and 10.



source of images: www.evermotion.org

## Kedainiai Arena

Lithuania/ Kedainiai

This arena is a characteristic element of the sports complex constructed in 2013. Together with the city stadium and the public square they convert this site into the sports and entertainment centre, which can be used for sports and cultural events.

# Commercial facilities



source of images: www.motoringme.com

## Audi Service Centre

UAE/ Dubai

The showroom in Dubai is the largest Audi showroom in the world. It consists of 3 storeys with the car park for 100 cars and the space for 60 exhibited cars.



source of images: www.qatarmetal.com

## Plaza shopping mall

Romania/ Bucharest

One of the most renowned shopping malls in Bucharest. Its three-part construction comprises the central dome with a diameter of 40 metres and two surrounding wings. The mall is divided into a shopping section with boutiques and a typical hypermarket section.



source of images: www.vtsigroup.com

## KFC

Hungary/ Budapest

One of many KFC restaurants in Hungary equipped with VTS units.



source of images: www.yuyuantm.com.cn

## PVP SQUARE

India/ Vijayawada

PVP SQUARE is a 5-storey shopping mall with the floor area of ca. 67 000 m<sup>2</sup>. What makes the mall stand out is its stylish interior with glassed atriums.



source of images: www.duffcapitalinvestors.com

## Southern Tire Mart

USA/ Columbia

Southern Tire Mart is a store network in the southern part of the USA established in 1973. The commercial offer consists of tyres for passenger and transport vehicles.



source of images: www.propertydesign.pl

## Zielone Arkady

Poland/Bydgoszcz

Zielone Arkady is the greatest and the most modern Shopping Mall in Bydgoszcz. It is unique mainly thanks to its broad commercial offer (200 stores, restaurants and cafeterias, as well as service points), excellent location and unusual architectural solutions.



source of images: www.vtsgroup.com

## Auchan

Russia/ Ufa

The Ufa hypermarket is 45th mall of Auchan chain which was opened in Russia. Its retail space is 13 000 m<sup>2</sup> and the commercial offer includes over 46 000 various commodities. The hypermarket employs about 450 employees and boasts 44 cash registers.



source of images: www.vtsgroup.com

## New Century Global Country Center

China/ Chengdu

New Century Global Center is a multi-functional building in Tianfu, the new district of Chengdu and it is the largest building in the world in terms of floor area.

# Education



source of images: [www.vistgroup.com](http://www.vistgroup.com)

## University of Auckland

New Zealand/ Auckland

The university was founded in 1883 and it is the largest one in the country. There are 4 specialist campuses located on its premises. 10 000 students graduate each year from the university.



source of images: [www.vistgroup.com](http://www.vistgroup.com)

## Arab Open University

Kuwait/ Al-Ardia

The university is a non-profit organisation. It started its activity in 2002 and its main seat is located in Kuwait. It has 8 branches on the Arabian Peninsula.



source of images: [www.nusom.nu.edu.kz](http://www.nusom.nu.edu.kz)

## Nazarbayev University School of Medicine

Kazakhstan/ Astana

NUSOM was set up in cooperation with the University of Pittsburgh School of Medicine, one of the leading US medical schools. The university aims to rank among world class health education and biomedical tests institutions.



source of images: [www.en.wikipedia.org](http://www.en.wikipedia.org)

## St. Petersburg Conservatory

Russia/ St. Petersburg

The oldest higher music school in Russia, established in 1862. Together with the Moscow Conservatory it is one of the best Russian music universities which educated many generations of excellent musicians and composers with a global reputation.





source of images: www.skyscrapercity.com

## University of Białystok

Poland/ Białystok

The modern campus, commissioned in 2014, stretches over 30 hectares. There are almost 1 300 students on the Faculty of Mathematics and Informatics and on the Departments of Chemistry, Biology and Physics.



source of images: www.amity.edu

## Kolkatta Amity University

India/ Kolkatta

Amity University Kolkatta was set up in 2015 and it is the eighth private university of Amity University Group. The campus territory comprises 100 lecture halls.



source of images: www.en.wikipedia.org

## Penn State University - Old Main- State College

USA/ Pennsylvania

Old Main building is a part of the Pennsylvania State University. It was completed as the first one in 1867 and at present it is used as Penn State administration centre.



source of images: www.skyscrapercity.com

## Vilnius Gediminas Technical University

Lithuania/ Vilnius

The university is a leader among technical universities in Lithuania. During 55 years of its existence it has had over 69 000 graduates.

## Other



source of images: www.targi-staroci.pl

### Ferrari showroom

Poland/ Katowice

One of the two showrooms of the Ferrari brand in Poland. Apart from the showroom, there is also an authorised service centre of these luxurious cars.



source of images: www.legolandguide.weebly.com

### Legoland

UAE/ Dubai

Legoland is a fun and entertainment site for families with children. A Lego park and an aqua park shall be located on the territory of the complex. The opening shall take place in October 2016.



source of images: www.pomorskie.travel

### Starbucks

Romania/ Brasov

One of the world's most famous coffeehouse chains. The coffeehouse is located in one of the biggest shopping malls in Romania – Coresi.



source of images: www.hotel-soleil.pl

### Al Kazim Tower

UAE/ Dubai

The complex consist of two 53-storey towers. The total height of the buildings is 265 metres. The buildings' architecture resembles The Chrysler Building, which is located in New York.



source of images: www.chinadaily.com.cn

## IKEA

China/ Shenzhen

The building located in Shenzhen has the floor area of 30 000 m<sup>2</sup>. The customers have 66 thematic rooms at their disposal, together with 3 complete houses furnished and equipped with products of the Swedish leading furniture and home accessories manufacturer.



source of images: www.vtsigroup.com

## Amazon (warehouse)

India/ Bangalore

One of the two logistics centres of the Internet giant in India. The buildings' total floor area is 14 000m<sup>2</sup>.



source of images: www.dev.systemair.com

## Mc'Donalds

Russia/ Cherepovets

One of many McDonald's restaurants equipped with VTS units. Apart from Russia, VTS also cooperates with McDonald's in Poland, Hungary and other European countries.



source of images: www.teamspirit.cba.pl

## Siemens

China/ Beijing

The office building located in Chaoyang District boasts 30 floors and has the total area of 17 500 m<sup>2</sup>. Total value of the investment is 100 million euros, which renders it the company's biggest real-property investment worldwide.



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