Established in 1989, VTS Group is the leading supplier of air handling units and heating products. VTS Capital Group consists of more than a dozen regional companies located across Europe, the Middle East and Asia Pacific region. The company offers its customers innovative series of VENTUS and VENTUS S-TYPE Air Handling Units.

ISO 9001 guarantees a complete repeatability of all the VTS units. ISO 14001 certifies an efficiently working system of environmental management. VTS units conform to the security standards compliant with the European Union guidelines. Two most important standards on the European market describing parameters and the quality of ventilation and air conditioning.

The quality and parameters of VTS devices are confirmed by international Eurovent and TÜV certificates. We comply with all requirements stemming from European (CE) product safety standards as well as the integrated quality and environment protection system ISO 9001/ISO 14001.

27 countries 84 VTS offices

Whether it’s skyscraper in Middle eastern desert city of Dubai, factories in subarctic Siberia or shopping malls in moderate Budapest, regardless of the prevailing climate conditions, our air handling units provides a trouble free performance and a comfortable environment for working and living.

WE DELIVER AIR HANDLING UNITS PERFECTLY SUITED TO:

- cubic capacity of the building - from restaurants to giant factories
- climate zones - operation in (-40 to +70°C)
- any building type - residential, commercial and industrial constructions

4 continents

The Netherlands
The United Kingdom
The United Arab Emirates
United States

About VTS Group

A Product Worth Investing In

4 continents
27 countries
84 VTS offices
**UNIVERSALITY OF DEVICES**
- operation in various climatic zones (-40 to +70°C)
- durability for many years - “Sandwich” panels with polyurethane foam
- possibility to deliver in sections

**ENERGY RECOVERY**
- energy recovery systems selected for all climatic conditions
- recovery efficiency up to 85%

**FRAMELESS CASING**
Unit casing is made of “Sandwich” panels with polyurethane foam, which guarantees:
- excellent mechanical and insulating parameters
- high tightness class
- elimination of thermal bridges
- EN standards

Excellent mechanical and thermal characteristics:
- casing heat transfer coefficient: \( k = 0.6 \text{ W/m}^2\text{K} \)
  - CLASS T2 Acc. EN 1886:2007
- thermal bridges coefficient: \( K_B = 0.69 \)
  - CLASS TB2 Acc. EN 1886:2007
- mechanical strength of casing:
  - 2500 Pa - 2500 Pa < 2 mm;
  - CLASS D1 Acc. EN 1886:2007
- casing tightness: \( +400 \text{ Pa} - 0.05 \text{l/sm}^2 \)
  - CLASS L1 Acc. EN 1886:2007
  - +700 Pa - 0.13 \text{l/sm}^2 \)
  - CLASS L1 Acc. EN 1886:2007

**ENERGY EFFICIENCY**
- high efficient PLUG-FAN SET
  - direct drive
  - backward inclined blades
  - aerodynamic shape of blades
- economic regulation of fans parameters (with frequency converters)
- frequency converter as a standard
- optimal selection of AHU components and their working parameters
- proven algorithms of control systems providing optimisation of AHU operation parameters and device protection
- low noise level

**RELIABLE APPLICATIONS OF CONTROLS**
- remote control of unit operation parameters
- available two standards of complete control systems: simple and advanced
- user-friendly and clear interface
- control systems open to BMS

**APPLYATION**
- over the false ceilings, in the space between ceiling and next storey floor
- five sizes ranging from 1,820 to 10,000 CMH

**WATER TIGHTNESS**
- our Monocoque casing is a framework-free construction, which eliminates the problem of water condensation on the external AHU side - and therefore - no more of harmful water dripping from the ceiling!

**LOW HEIGHT & WEIGHT**
- to fit the false ceiling space and to be easy to install

**LOW NOISE**
- by increasing thickness up to 40 mm, which is about 57% more than standard 1-inch solution, we ensures the high level of acoustic comfort
These 3 towers are located in the prime location of Jumeirah. Mazaya business Avenue is part of 79 towers collectively known as Jumeirah Lake Towers. Each tower rises to 45 storeys height and can accommodate 350 office spaces ideally 100 square meters in area.

Within this architectural masterpiece will be housed everything the business mind can conceive or aspire towards. Ultra modern offices and business centers; retail plazas and more.

Each Mazaya Business Avenue tower is a self-contained business world with a dignified exterior glass finish and post-modern interiors that leave a lasting impression.

Sunset elaborates on the unique lifestyle Dubai offers. This exclusive development comprises of premium shopping spread over two floors, featuring the world’s best fashion brands and exquisite fine dining cuisine offering an atmosphere of luxury, intimacy and prestige.

Stylish boutique offices with state-of-the-art, cutting edge facilities on the top level and elegant spacious sea-view residential apartments, extended across three blocks, all reaching out into the sea, splendid views of the Arabian Gulf.
Emirates Financial Towers are 27-storey twin towers commercial development, located in the heart of the Dubai International Financial Centre, offering Grade A office and retail space. Emirates Financial Towers are holistically conceptualized and are equipped with all the amenities complementing modern-day business.

The contemporary elliptical profile, with transparent glass facade and Skybridge, is “Functional in Purpose and Powerful in Design” and reflects ENSHAA’s and MAG’s passion for innovation as well as commitment to develop premium quality projects.

The project involved construction of a ground floor and 14 additional floors plus 6 commercial 8+ stories surrounding, featuring hi-tech offices and retail spaces with excellent conference facilities, state of the art fitness centre, 8 high speed elevators, 24 hour maintenance, facility management, security and ample parking space.

Dubai Silicon Oasis was officially established by the Government of Dubai, with the objective of developing an integrated technology park highlighting industries built around the production of information and communications technologies using semiconductors.
The USD 109 million project involves construction of twin towers each comprising of 3 basement floors, a ground floor, 8 storey podium (6 parking floors, 2 service floors) and 44 additional floors rising above the podium to a height of 203 meters. The basement and podium levels include parking for almost 2500 cars. Rising above the towers two aesthetically designed extensions top out at 265 meters.

The spectacular roof structure of each tower consists of approximately 1,200 tons of steelwork formed into intricate arches to echo the lines of the world famous Chrysler Building in New York.

Al Manara: A Premium Waterfront Office Tower is over 30 storeys of commercial space in the heart of Business Bay, prime location with water views on 2 sides. Located right behind The Metropolitan Hotel off Sheikh Zayed Road in close proximity to Dubai Metro / Light Rail Network.

Conveniently planned office space suits the needs of the modern day business. Recreational facilities consist of state-of-the-art health club, gym, sauna and temperature controlled swimming pool, business Center, banquet hall and a travel kiosk, restaurants, coffee shop and F&B Kiosk offering international cuisine, high Security access systems, segment split, high speed elevators, broad band connectivity ample parking.

In Al Kazim Towers
the following VENTUS AHUs are installed:
  - VS-75
  - VS-120
  - VS-150
  - VS-180
  - VS-230
  - VS-500
  - VS-650

In Al Manara Tower
at Business Bay
the following VENTUS AHUs are installed:
  - VS-120
  - VS-180
  - VS-650
The Audi showroom owned by Al Naboodah LLC, the local partner for Audi in the UAE, is one of the 3 new showrooms proposed by Audi. It is the biggest Audi Showroom in the world and the first two-story showroom for new cars in UAE.

The Dubai terminal spreads across three floors and 94,000 square feet of space. The showroom features an underground parking area and valet parking service. With room for 57 vehicles, the Dubai terminal is the largest new-car showroom worldwide in terms of new Audi vehicles on display. A dedicated floor has been created in the Dubai terminal for Audi exclusive.

The Al Bateen Tower at Jumeirah Beach offers both luxury residential apartments and 5-star hotel accommodation. The tower, 30 floors dedicated to commercial space and 54 floors to residential space, will also provide access to business facilities, upscale restaurants and shops, luxury beach club amenities, elegantly landscaped terraces, swimming pools and pristine beaches.

The residential tower is 734,000 square feet and houses 300 residential apartments. The hotel tower is 319,000 square feet and includes approximately 300 rooms. The towers’ shared podium consists of 151,000 square feet of space that includes entry lobbies, a business centre, a ballroom, restaurants, health and beach clubs, a spa, and back-of-house spaces.

In Audi showroom, the following VENTUS AHUs are installed:
- VS-300

In Al Bateen Tower, the following VENTUS AHUs are installed:
- VS-100
- VS-400
- VS-500
- VS-650
The USD 55 million project involved a spaceship themed edutainment centre also known as Bawabat Al Nojoum which is situated inside Zabeel Park. Its facilities cover both underground and above ground areas.

Underground electrical trams connect all five zones, as well as the five exhibition and education wings. The five exhibition wings include sports and nutrition, telecommunication, transportation, information technology, arts and music wings. The planet zones: Saturn, which has a D3D theatre for laser shows, 2D immersive videos, stereoscopic 3D movies and large-scale 3D interactive games; Mars contains a children’s play area called Zero Gravity; Earth has an electric indoor Go-Karting track called No Speed Limit. The futuristic UFO zone contains a new robotic simulated ride and a sophisticated 4D virtual reality rides; while the Moon house a lunar ice-skating rink, with artificial snow falling.

The Ritz Carlton is a 5 star hotel housing 341 rooms and 124 serviced apartments across 14 storeys. It also accommodates a wide number of restaurants, a spa, swimming pool and other amenities.

The hotel epitomizes understated luxury and elegance behind its handsome limestone façade. Guests enjoy a string of sumptuous amenities, a direct walkway to The Gate which is the heart of the financial centre, plus the added convenience of the city of Dubai at their doorstep.
Located in Jumeirah lake towers, the V3 tower is a 39 storey high rise offering 1, 2 and 3 bedroom apartments. Jumeirah Lakes Towers is a new self-sufficient and dynamic waterfront community development aiming to respond to the continuous demand for strategically planned districts in Dubai.

Jumeirah Lakes Towers, also referred to as JLT, comprises of clusters of tall towers that surround 4 man-made lakes. The total area covered by the project is approximately 1.35 million square meters, including the land and the 4 lakes.

The SCALA Tower spacious, luxury apartments built in a relatively low rise corner of Business Bay, the 22-storey SCALA Tower has been designed so that most of the apartments enjoy splendid sea and creek views; with views out to water and beyond to Burj Dubai for occupants of the top few floors.

State-of-the-art technology will provide guests with the best in luxury living, and the building will incorporate a health club with gymnasium, swimming pool with Jacuzzi, elegant reception area, 24-hour security, a cafe and three levels of basement parking.

In Jumeirah Lake Tower - V3 Tower the following VENTUS AHUs are installed:
- VS-230
- VS-300

In Scala Tower the following VENTUS AHUs are installed:
- VS-650
SEBA TOWER
ABU DHABI

The AED 600 million mixed-use tower is strategically located in the city’s most prestigious address. The unique design of this 50 stories silhouette is visible from miles around. The building has got: 11 high-speed lifts - 6 for the offices, 4 for residents and 1 service lift. Three basement levels and five podium levels provide more than 900 parking spaces. Thirteen floors are dedicated to more than 24,000 square meters of office and retail space, while there will be 316 apartments spread over 27 floors. On the top floor is swimming pools, an indoor gym, saunas, steam rooms. The balconies of the residential floors are what give the building its shape and they vary in width from 50 cm to 3 m. Their balustrades are made of aluminum fins, handrails and clear glass. The building’s facades combine white aluminum with green glass.

In Seba Tower the following VENTUS AHUs are installed:
- VS-100
- VS-230
- VS-300
- VS-400

ALOFT HOTEL
ABU DHABI

This 4 star hotel is located at Abu Dhabi National exhibition centre and houses 408 spacious loft inspired rooms and suites. The hotel is 16 storeys high and accommodates a pool and a health club. Set in ADNEC (Abu Dhabi National Exhibition Centre) and just a short spin away from Abu Dhabi Airport and Abu Dhabi's city sights, Aloft Abu Dhabi Hotel creates the ideal hub for business meetings and events in Abu Dhabi.

In Aloft Hotel the following VENTUS AHUs are installed:
- VS-55
- VS-75
- VS-100
- VS-120
- VS-150
- VS-180
- VS-230
- VS-300
- VS-400
Reem Island Zone C is combination of 5 towers ranging from 40 to 52 storey’s in height. The towers will be connected by a podium parking level. The Zone C also includes 7 villas and retail shops as part of the project.

Zone C consists of 12.63 acres land area, with total GFA 408,887 m² of residential area is located along the water front mixed with retail mall and a supermarket at the ground floor level.

Eastern Mangroves Hotel & Spa by Anantara forms part of an integrated hotel, marina, retail and residential destination, culminating in a luxury lifestyle haven away from the bustle of city life in central Abu Dhabi. The luxury hotel is just 15 minutes from Abu Dhabi International Airport and only 5 minutes from the heart of the city, and as such is set to become a hot spot for business and leisure travellers alike.

The project’s residential component features 220 premium apartments separated between three distinct residences, which each has its own character. The properties benefit from stunning views over the mangroves, as well as private pools, gyms, corniche facing terraces and secure car parking for residents.
Conceived as a pair of dancers moving together without touching, each of these multi-storey towers appears to lean in two directions - sideways and towards to one another.

The shorter tower, a 29 storey concrete frame structure, houses apartments with the taller twisted tower, a 34 storey structure, accommodating office space.

The two are linked by a two storey podium and three basement levels. These provide retail and leisure facilities and car parking. Our considerable local experience in deep excavation and construction contributed to the water resistant design of the basement levels.

This 11 storey tall 5 star hotel is situated at the heart of Abu Dhabi and houses 281 spacious rooms. The hotel design and construction was estimated at 600 million AED.

The Rocco Forte Hotel Abu Dhabi is built from curved glass and its wavy structure - with not a single straight line in sight - is an architectural masterpiece. Up close, the blue and green glass panels create a breathtaking mosaic effect, mirroring the colours of the Arabian Gulf.

Hotel’s large luxury spa offers separate facilities for men and women and an authentic Moroccan Hammam, the health club, fitted with the latest Technogym equipment. Outdoors, the 25m pool is the perfect place to take a dip before basking in the desert sun.

In Shining Towers
the following VENTUS AHUs are installed:
› VS-500
› VS-650

In Rocco Forte Hotel
the following VENTUS AHUs are installed:
› VS-21
› VS-55
› VS-75
› VS-100
› VS-120
› VS-150
› VS-180
› VS-230
› VS-300
› VS-400
This tower has a built up area of 2.3 million square feet and an estimated value of 736 million AED. The building has 43 residential floors and accommodates 375 apartments and basement and 6 floor parking.

Al Reem is a natural island located on the north-eastern coast of Abu Dhabi city. Formerly known as Abu Al Shuoom or The Pearl, Al Reem is the first residential, commercial and business project to be developed in Abu Dhabi.

Set to open its doors in mid-2013, the 350 room, four star hotel occupies a prime location in the business district of Abu Dhabi and will be targeted towards both business and leisure travellers with comfortable and high-quality facilities including restaurants, a reflection pond on the 4th floor where traditional Middle Eastern cuisine and shisha will be served, and a roof top gym and pool deck overlooking the city skyline.

In Reem Island
Zone D - Marina Square - Ocean Terrace the following VENTUS AHUs are installed:
- VS-21
- VS-40
- VS-55
- VS-75
- VS-100
- VS-120
- VS-150
- VS-180
- VS-230
- VS-300
- VS-400

In Southern Sun Hotel the following VENTUS AHUs are installed:
- VS-55
- VS-75
- VS-100
- VS-150
- VS-180
- VS-230
- VS-400
- VS-650
Fujairah City Centre is a shopping mall developed by Majid Al Futtaim Properties in partnership with the government-owned Fujairah Investment Establishment. Fujairah City Centre is largest and the first shopping, leisure and entertainment destinations of its kind in the Emirate. With 34,000 sqm of retail space, the mall features 105 value and mid-market brands, 85% of which are new to Fujairah.

Fujairah City Centre offers choice, convenience and value for money across a wide range of categories including local and international fashion, lifestyle, electronics, homewares and food and beverage. The mall features a 8,684 Carrefour hypermarket, the largest in the Emirate. With a multi-screen VOX Cinemas, a Magic Planet family entertainment centre and an international dining offer, Fujairah City Centre redefines the shopping and leisure experience for Fujairah and surrounding communities.

Fujairah Commercial complex comprises of a five star hotel Millennium hotel and shopping mall which includes an ice rink, 6 cinemas, restaurants and swimming pool. The shopping mall is ground plus 4 storeys high and the hotel is ground plus 22 floors. The project is estimated at a value of 425 million AED.
The three-storey headquarters, located in Sharjah Expo City, which also includes the Expo Centre, comprises all Sharjah Chamber of Commerce and Industry offices in addition to a World Trade Club, a permanent exhibition area for local industrial products, a conference hall, meeting rooms, the Sharjah Businesswomen Council office and Training Rehabilitation and Commercial Arbitration Centres.

The magnificent building that houses the Sharjah Museum of Islamic Civilization first opened in 1987 as the Souq al-Majarrah and quickly became a popular landmark, both among the people of Sharjah themselves and visiting tourists. The building was only the second of its kind in the Gulf region, after Sharjah’s “New” or “Central” Souq constructed in 1977, to use traditional, Arab-Islamic design elements in its ground-plan and décor.

The building with its impressive architecture and attractive design features was subsequently renovated and reopened in 2008 as the Museum of Islamic Civilization. Its most outstanding feature is majestic, gilt central dome, decorated on the inside with an intricate mosaic depicting the night sky and the signs of the zodiac.
The Hospital provides full maternity services, neonatal intensive care and low risk gynecology. There is also an emergency facility primarily for children, with inpatient beds to support this. The hospital contains two fully equipped theatres, 41 antenatal rooms, 30 post-natal rooms, 6 suites and 2 royal suites. It also contains full antenatal outpatient facilities, a NICU department and a fitness suite.

Support departments include catering, pathology labs and TSSU facilities. The scheme was developed based on international standards and was designed to reflect the environment of a 6 stars hotel, to deliver world class ante and post natal services.

In Al Ain Cromwell Hospital the following VENTUS AHUs are installed:
- VS-75
- VS-100
- VS-120
- VS-150
- VS-180
- VS-230

The Composite Aerostructure manufacturing facility in the desert near Al Ain/UAE International Airport is an iconic world class aerospace development supplying major aircraft components to manufacturers such as Airbus and Boeing. This manufacturing facility is operated by Strata to enhance the standing of Abu Dhabi and the United Arab Emirates as an important aerospace hub. Strata is an affiliate of Mubadala Development Company, a company wholly owned by the Government of Abu Dhabi.

In Strata Composite Plant at Al Ain the following VENTUS AHUs are installed:
- VS-100
- VS-120
- VS-150
- VS-650
MEDINA CENTRALE

As the name suggests, Medina Centrale is the town centre of The Pearl-Qatar, offering a very different residential, shopping and leisure experience compared to other precincts. Essentially a low-rise development based around a town square and adjacent streets, it features numerous parks and open spaces, all of which is linked and serve nearby residential areas and make for both a lively environment and a place for celebrations. There is a central shopping zone with a full range of retail and community services like a post office, supermarket, banks etc.

As well as supporting the broader community at The Pearl-Qatar, Medina Centrale will serve as a prime residential area in its own right. One and two bedroom units are located above the retail zones in medium height blocks with views over the town square and beyond. Convenient parking will be provided close to all amenities.

AL SADD DEVELOPMENT COMPLEX

The project involves construction of 4 commercial and 3 residential buildings, as well as a separate recreational building and a carpark building.

Each of two commercial buildings comprises 2 basement levels, a ground floor and 18 additional floors. All four commercial buildings will be connected by a shopping mall in the first to third floors and all basement levels will be allocated for parking. All three residential buildings will comprise a ground floor and 10 additional floors. The recreational building will comprise a ground floor and 3 additional floors that will feature a children’s nursery, a clubhouse, a squash court, a billiard area, a swimming pool, a gymnasium and a spa. The carpark building will comprise a ground floor and 5 additional floors.
Conveniently located at The Business Park complex adjacent to Doha International Airport, amid magnificent glass-and-steel buildings, rises the stylish Crowne Plaza Doha - The Business Park. Its premier location, set in the heart of the city’s banking and business districts, will allow you to do business efficiently and effectively.

The state of the art rooms and suites are ergonomically designed. SPA and Wellness Center offers holistic fitness and relaxation packages. Hotel offers also twelve meeting rooms, including the iconic daylight globe meeting The Event center. The Event Centre: 3 level of Conference rooms accommodating for dining 350 guests in each hall or 400 guest in theatre style; offers the latest in conference technologies in a flexible space featuring digital signage, video conference, large TV screens, ceiling mounted recording cameras, large screen of 185 inch, different light settings, wireless touch command screen.

Established in 1964 as the country’s first Qatari-owned commercial bank, QNB Group has steadily grown to be among the largest banks in the Middle East and North Africa Region and is by far the leading financial institution in the country with a market share exceeding 45% of banking sector assets.

QNB was the first bank in Qatar to launch a financial services subsidiary. The launch of QNB Financial Services (QNBFS) in January 2011 continued to expand the Bank’s persona as a modern-day financial success story. QNBFS offers a range of financial services to domestic and foreign institutional investors, high-net worth individuals, retail and corporate clients including mutual funds, brokerage services, research and advisory intelligence and asset management.
Arab Open University is a non-profit, private Pan Arab university founded in 2002. The university consists of several campuses located across the Middle East, including in Kuwait, Jordan and Lebanon. In 2003, campuses were opened in Bahrain, Saudi Arabia, Egypt and Oman. The AOU is affiliated with the UK Open University.

Al Salam Mall is considered one of the most attractive and recognized malls in the region. It has become a new landmark of the town. An ideal place for shoppers and those who prefer a luxurious environment. It has world-class stores that cater to all kinds of shoppers. It features a variety of textile stores, restaurants, gyms, play zones, and a huge parking space.

In Arab Open University, VTS delivered 46 AHUs and 13 FCUs.

In Al Salam Mall, 117 VENTUS AHUs are installed:
- VS-55
- VS-75
- VS-100
- VS-120
- VS-150
- VS-180
- VS-300
- VS-400

www.vtsgroup.com
Construction of Azaiba Hotel - an ambitious five-star project near Seeb’s Airport Heights in Oman - is fast progressing and is expected to be operational by mid-2013, Oman Daily Observer reports.

Hotel has 240 rooms, four differently-themed restaurants and multi-level basement parking as well as other amenities. The project is managed by Mfar Hotels and Resorts, an Indian hotel group owned by Dr. P Mohammed Ali, vice-chairman and managing director of Galfar.