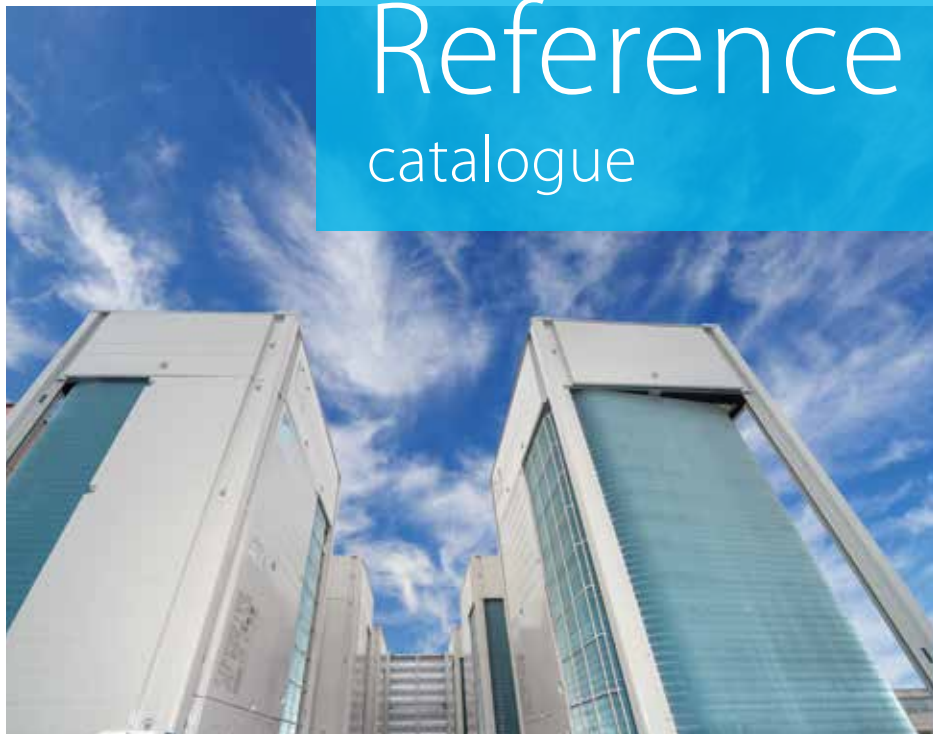




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The perfect working environment is essential for all businesses. From supermarkets to offices, from public buildings to hotels, from restaurants to shops it is essential that the quality of the air is optimised at all times – but no space is used in exactly the same way and that calls for flexible, tailored and economic solutions. Daikin, the innovation leader for more than half a century, understands this and its ‘total solution’ concept is built around customised solutions for individual clients. Whether air conditioning, heating, ventilation, air curtains or refrigeration, Daikin has the units, the experience and the solution for you. Learn all about our customer experiences here.

Green building

BY DAIKIN

€9/m²
energy cost
vs €29/m² for a CIBSE*
typical office



* CIBSE The Chartered Institution of Building Services Engineers, is the prime source of expertise in the Building Services industry.

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Velocity

Daikin as a big contributor to high energy performance of a stylish headquarter office

Project

Sustainability is at the forefront of Velocity's design. Each element of the design has been carefully considered to ensure an EPC rating of "B" and an "Excellent" BREEAM rating has been achieved.

BREEAM[®]
Excellent

System

- 28 x VRV III outdoor units (heat recovery)
- 2 x VRV III outdoor units (heat pump)
- 256 x concealed ceiling units
- 10 x Intelligent Touch Controller

* BREEAM is a registered trademark of BRE (the Building Research Establishment Ltd. Community Trade Mark E5778551). The BREEAM marks, logos and symbols are the Copyright of BRE and are reproduced by permission.

Kaffee Partner

Administration building and storage

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

A chiller was planned in the original concept; but then it was decided to install 7 VRV systems (total cooling capacity approx. 272 kW) leading to a lower investment, a reduction of energy and less required space. In total, 70 offices and meeting rooms on 4 floors are air conditioned.

System

- 7 x VRV III outdoor units (heat pump)
- 3 x condensing unit for air handling application
- 15 x concealed ceiling units
- 69 x 4-way blow cassette units

www.kaffee-partner.de



"Kaffee Partner chose
Daikin VRV for its efficiency,
low investment and small
footprint."



Eiffage Energie & Eiffage Energie Thermie Office building

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Project

The new owner of this 25-year old building initiated an extensive renovation programme. Convinced by the Daikin technology, Eiffage Energie Thermie proposed VRV as a solution throughout the building. Concerned about the comfort of its occupants, the building owner opted for VRV IV heat pump with continuous heating. Fully flat cassette units have been chosen for their perfect inclusion into false ceiling tiles, allowing to install other equipment such as lighting, speakers in the neighbouring tiles.

System

- 6 x VRV IV outdoor units (heat pump with continuous heating)
- 62 x fully flat cassette units
- 5 x wall mounted units
- Intelligent Touch Manager (control system)

Toulouse (France)





Offices

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation



Bastide rouge

Controlling the creative climate

Project

VRV was chosen for its efficiency flexibility in control as offices are open 24/7.

System

- 2 x VRV IV outdoor units (heat pump with continuous heating)
- 26 x 4-way blow cassette units
- 2 x wall mounted units
- 1 x floor standing unit
- Intelligent Touch Manager (control system)

“The innovative technology behind VRV IV (and iTM) is an excellent reflection of the work of the young creative companies in this business incubator.”



Need

- ☒ Air Conditioning
- ☒ Air curtain
- ☐ Air purification
- ☐ Control
- ☒ Heating
- ☒ Hot water
- ☐ Refrigeration
- ☒ Ventilation

De klimaatbeheerser

nZEB project

“The nZEB showroom of de Klimaatbeheerser was established thanks to a mix of Daikin heat pump technologies.”



Project

Total surface: 2,000 m²

System

- 1 x VRV outdoor unit
- 5 x VRV indoor units
- 1 x VAM unit (ventilation)
- Daikin Altherma floor standing unit with buffer tank



Natura EnR

First positive energy building
in the PACA region

Need

☒ Air conditioning

- ☐ Air curtain
- ☐ Air purification
- ☐ Control

☒ Heating

- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Project

The first example of a Positive Energy Building in the Provence-Alpes-Côte d'Azur (PACA) region and among the first in the whole of France, the NATURA EnR development has been awarded the 'Building Sustainable Mediterranean' Gold Standard. The two office buildings meet the requirements of the Haute Qualité Environnementale (HQE: High Quality Environmental standard) certification. A Daikin VRV system with a nominal 4.56 COP was selected in preference to other energy-efficient and environmentally conscious options including geothermal, solar cooling and a Provencal Well following an in-depth analysis by the building's designers. Sixteen VRV units were installed on the roof of each building. The particularly high COP of the Daikin solution fully meets the requirements of consumption calculations required for the designation of Positive Energy Buildings.

System

- 16 x VRV III outdoor units (heat pump)
- 48 x concealed ceiling units



Check on YouTube

<http://youtu.be/um1upi4MLM4>

1198 avenue Maurice Donat, Mougins

Arsenale di Venezia

Ex-Generatori

Need

- ☒ Air Conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☒ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

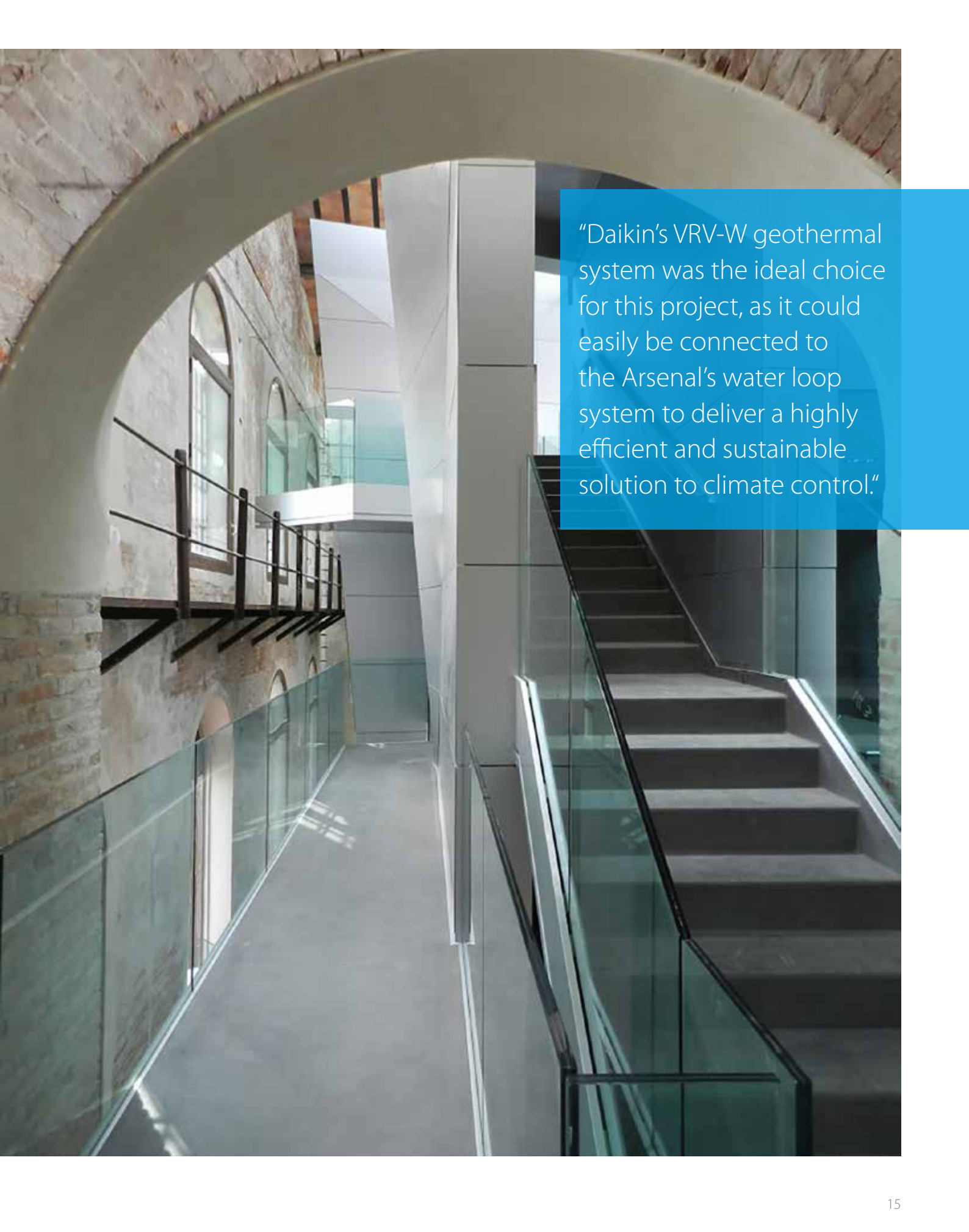
The design and restoration work involved restauration and consolidation, including the seismic retrofitting of the city walls, historic buildings, the renovation of existing buildings and the construction of an extensive system of underground utilities and facilities to feed the area. Ex-Generatori protects the architectonical heritage by using sea water energy in combination with water loop heat pumps.

www.arsenaledivenezia.it

System

- 8 x water-cooled VRV outdoor units
- 22 x concealed ceiling units
- 9 x concealed floor standing units
- 1 x VAM unit (ventilation)
- 2 x low temperature hydrobox for underfloor heating
- Intelligent Touch Controller





“Daikin’s VRV-W geothermal system was the ideal choice for this project, as it could easily be connected to the Arsenal’s water loop system to deliver a highly efficient and sustainable solution to climate control.”

Crystal tower

Office building

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

BREEAM®
Excellent

Project

Water loop for VRV water cooled modules
+ boilers & cooling towers.
Surface covered by the installation:
16,900 m² (15 floors in total)

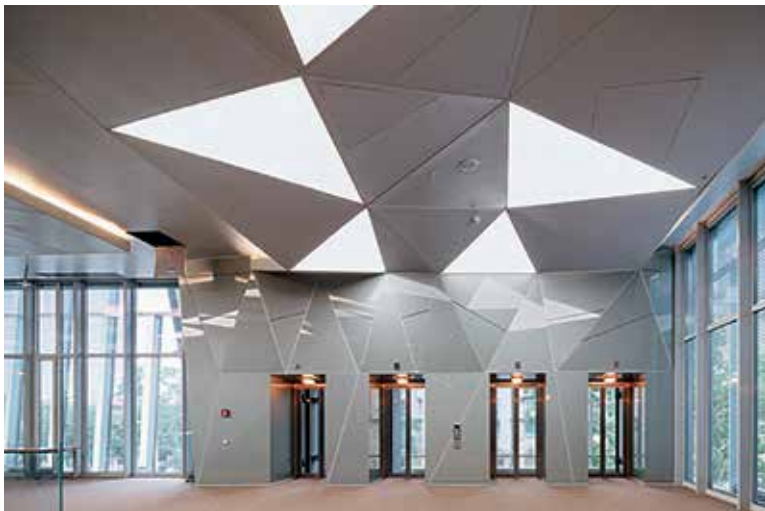
System

- 3 x VRV III outdoor units
- 67 x water-cooled VRV outdoor units
- 265 x concealed ceiling units
- 24 x 4-way blow cassette units
- 5 x Sky Air outdoor units
- 5 x 4-way blow cassette units
- 1 x air cooled multi-scroll chiller
- 1 x air cooled screw chiller
- 11 x BACnet interface

www.crystaltower.ro

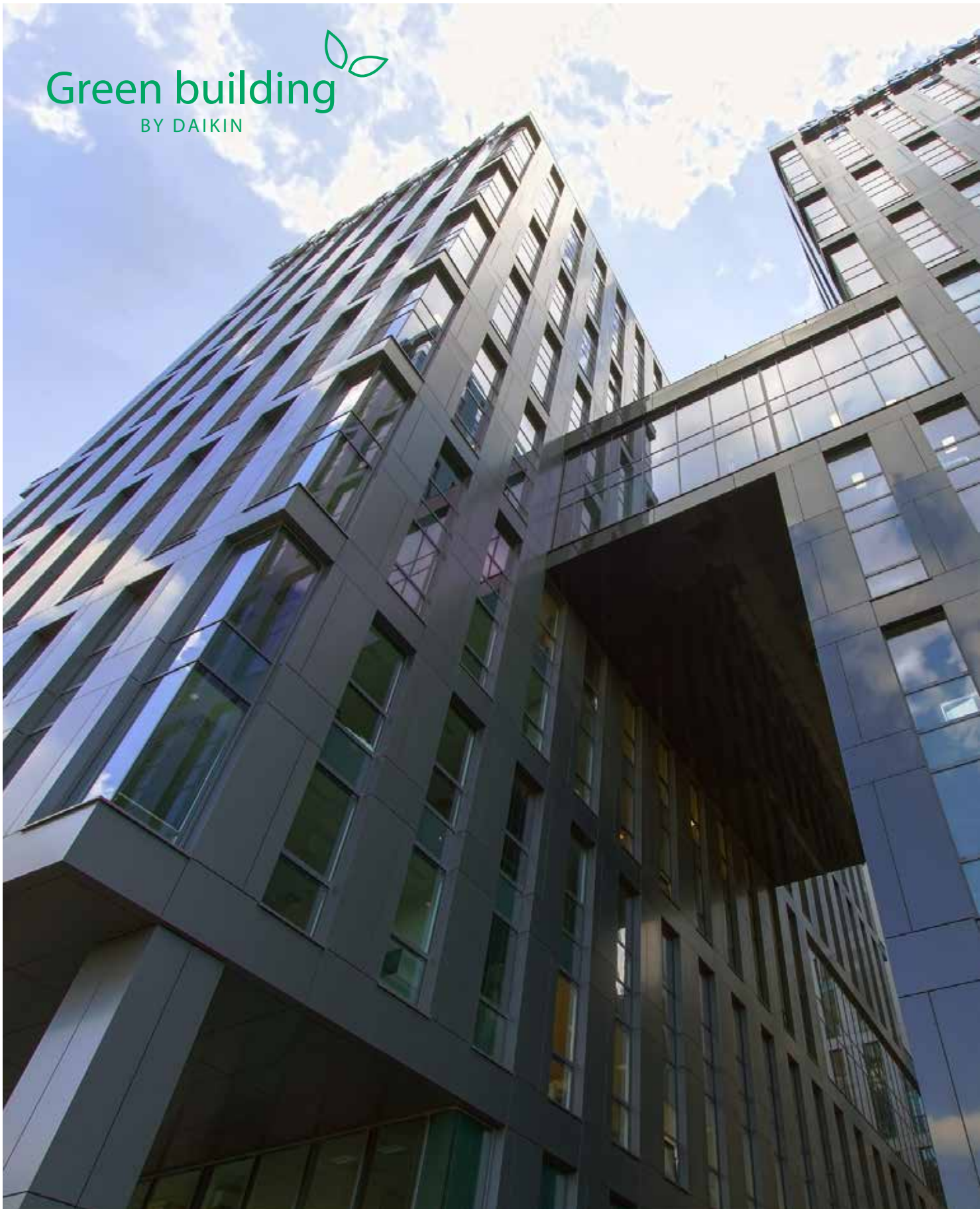


“Crystal Tower demonstrates that energy efficiency can be achieved, even for a difficult urban site and compact built surfaces. Quality of design, incorporating the use of the newest technologies, shows it is possible to transform a mono-volume building into a strong and interesting presence for the city.”



Green building

BY DAIKIN



Business Park Quattro

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation



Project

VRV as the only source of cooling and heating
ITM - accounting for energy consumption management

System

- 62 x VRV III outdoor units (heat pump)
- 37 x VRV III outdoor units (heat recovery)
- 990 x concealed ceiling units
- 50 x Sky Air outdoor units
- 50 x wall mounted units
- Intelligent Touch Manager (control system)

BREEAM[®]
Very good

www.buma.com.pl/quattro/english/index.html



Japan house

Business centre

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

Refrigeration system based on water cooled chillers with dry coolers (not Daikin), free cooling

System

- 2 x water cooled screw chillers (1.6 MW)

BREEAM®
Good

www.japanhouse.ru





Torre Serenissima

Office building with Replacement VRV

"The complete replacement of the 17-years-old R-22 system resulted in only a half-day of missed work for employees. The improved control of the air flow by the user significantly enhanced comfort, while reducing energy consumption by 25%."

Maurizio Casarola (Property Manager)



Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project



Check on YouTube

<http://youtu.be/DKaYuoBXI9k>

System

- 39 x VRV III outdoor units (replacement VRV)
- 215 x indoor units
- 35 x VAM units (ventilation)
- 4 x Intelligent Touch Controller

Dragörkajen

Eco-friendly office building
in Malmö's historic harbour area

www.dragorkajen.se





“The building has been built with ecology in mind, with muted colours, and the design follows a number of principles to create an energy-efficient building with a healthy and ‘feel good’ environment.”

Architect Lars Asklund

Need

- ☒ Air Conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☒ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

The indoor climate will be maintained by a highly energy efficient and innovative climate control system supplied by Daikin Sweden. “Daikin came up with an ingenious system that will use heat recovery to transfer excess heat from the warmer southern side of the building to the cooler northern side. This will maintain an even temperature across the building, saving energy,” Jörg Hagö of building services consultancy Hagö Consult explains

System

- 4 x VRV III outdoor units (heat recovery)
- 56 x indoor units (wall mounted + concealed ceiling)
- 10 x VAM units (ventilation)
- 2 x high temperature hydrobox for hot water supply

Sky tower

The tallest building in Poland

Need

- ☒ Air Conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

Sky tower combines business & leisure, offering a shopping mall, office space and luxury apartments. VRV has been installed throughout the building, with a total installation surface of 42,000m².

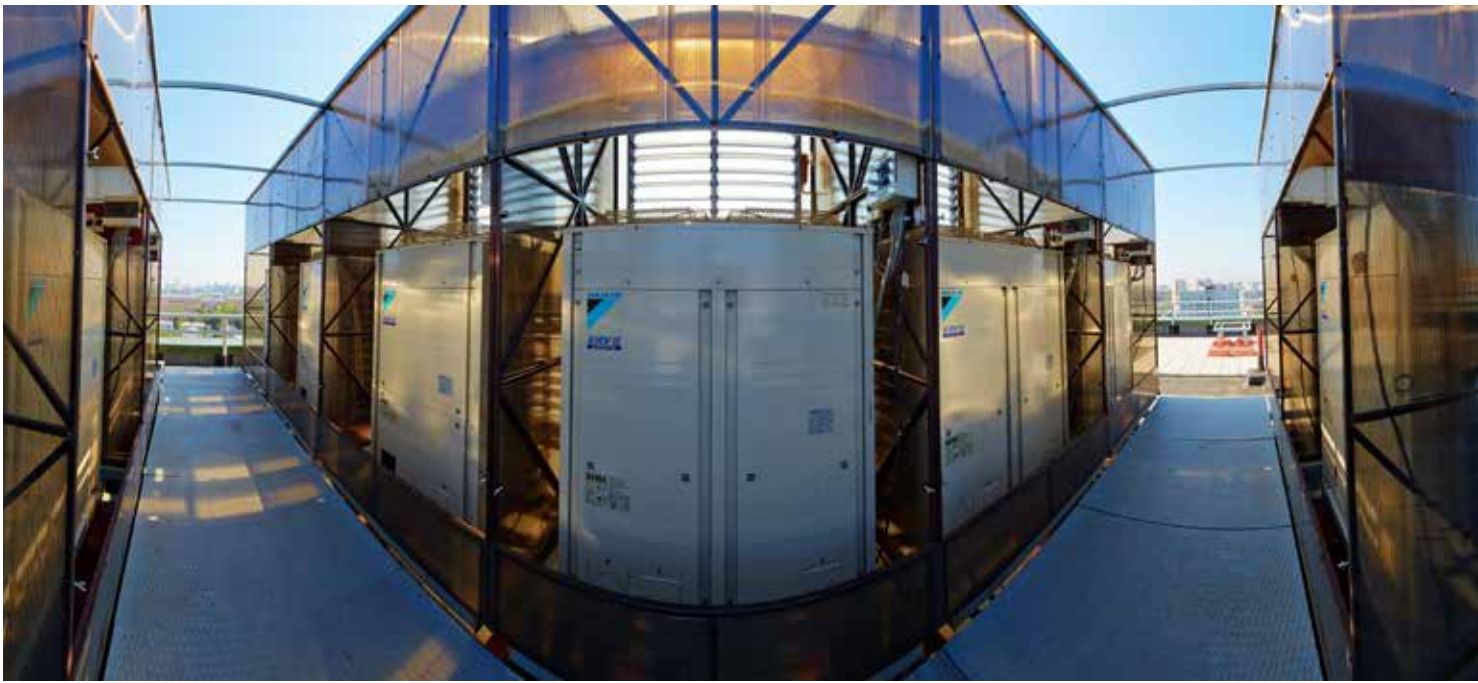
System

- 8 x VRV outdoor units (heat recovery)
- 151 x VRV outdoor units (heat pump)
- 753 x concealed ceiling units
- 26 x 4-way blow cassette units
- 87 x 2-way blow cassette units
- 1 x wall mounted unit
- 10 x condensing unit for air handling application
- 298 x VAM units (ventilation)
- 27 x Sky Air outdoor units
- 2 x concealed ceiling units
- 15 x floor standing units
- 10 x wall mounted units
- 20 x residential outdoor units
- 20 x wall mounted units
- 17 x BACnet interface
- 1 x air-cooled chiller





"The high quality of presales service provided by the Daikin sales team, the proposed solution with proven reliability from past references and extensive research to offer the best solution convinced the customer."



Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

1. System of technical cooling based on outdoor units RXYQ-P (cooling only). Units were equipped with winter kit (local supplier)
2. System of comfort air conditioning based on REYQ-P (heat recovery). This system is based on zones principle. Building was shared to 30 zones. Units for each zones work independently. Units were equipped with winter kit (local supplier)
3. Condensing unit for air handling unit application. This system was created as backup source of cooling. This system also contains EKEQDCB/ EKEQFCB and EKEXV. All units were connected together with pipes for refrigerant.

CROC Incorporated

Technical cooling and comfort cooling combined



System

- 10 x VRV III outdoor units (heat pump)
- 15 x concealed ceiling units
- 30 x VRV III outdoor units (heat recovery)
- 9 x 4-way blow cassette units
- 428 x concealed ceiling units
- 18 x wall mounted units
- 1 x condensing unit for air handling application (third party air handling unit)

Need

☒ Air conditioning

- ☐ Air curtain
- ☐ Air purification
- ☐ Control

☒ Heating

- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation



L'Oreal

Technical cooling for business center Moscow

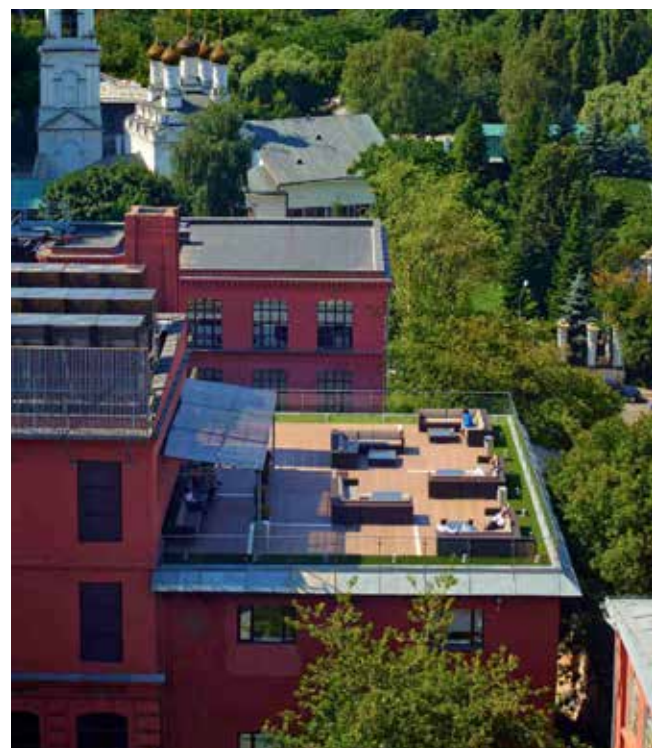
Project

New air condition system for technical cooling and comfort air conditioning meets the customer's requirements for air conditioning in new technical rooms and offices. System's structure:

- 1 System of technical cooling based on outdoor units RQX-P (cooling only). All parts of this system were installed with full reservation (100%) to insure reliable operation. Units were equipped with winter kit (local supplier)
- 2 System of comfort air conditioning based on outdoor units REYQ-P (heat recovery). Creating of this system based on zones principle.

System

2 x VRV III outdoor units (heat pump)
6 x 2-way blow ceiling mounted cassette units
16 x VRV III outdoor units (heat recovery)
14 x round flow cassette units
133 x concealed ceiling cassette units
32 x wall mounted units



Hotel Santos Porta Fira

Probably the world's most
beautiful skyscraper

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Project

Daikin was chosen to meet the high standards
of comfort for this unique hotel of 24 floors and
113 m high.

System

- 74 x VRV outdoor units
(60 x Heat Recovery + 14 x Heat Pump)
- 664 x VRV indoor units
- 2 x air cooled screw chillers
- Intelligent Manager (control system)

www.hotelbarcelonaportafira.com



"This project reinforces Daikin's position as a leader in the air conditioning of large-scale structures, able to provide solutions that stand out not only for their accuracy and reliability, but also for their energy efficiency."







Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☒ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

VRV as the only source of cold and heat.
BMS Control

System

- 29 x water-cooled VRV outdoor units
- 132 x concealed ceiling units
- 3 x round flow cassette units

Grand Hotel Tiffi

Conference Center & SPA





Le Pignonnet

Luxury hotel with replacement VRV

Need

☒ Air conditioning

- ☐ Air curtain
- ☐ Air purification
- ☐ Control

☒ Heating

- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Project

This luxury hotel/restaurant needed to replace the existing R-22 installation to anticipate R-22 phase out. VRV was the best solution, both from an environment and efficiency point of view.

System

- 8 x VRV III outdoor units (replacement VRV) (heat pump)
- 36 x floor standing units
- 2 x multi-split outdoor units
- 1 x split outdoor unit
- 10 x floor standing units
- 2 x wall mounted units

www.hotelpignonnet.com





"Replacement was quick, minimizing business interruption and allowed to preserve interior decorations by keeping the refrigerant piping."

Managing Director Stefan Ziesler, of Gockeln is confident they found the right solution: "We were able to design a flexible system for Hotel 47 ° that optimally accommodates the different cooling temperatures required, with all refrigerating units controlled remotely. The system's near-silent operation ensures the noise level is reduced to a minimum for residents."





Need

- ☐ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☐ Ventilation

Hotel 47°

Boutique hotel cools its energy costs

Project

Covering a total of 40sqm, the hotel's storage rooms called for a cooling capacity of 10 kW. The plant design also includes an additional 21 cooling units, spread throughout the building. Daikin's integrated ZEAS system provides the reliability and performance which is especially vital in the handling of perishable foods.

System

- 1 x Refrigeration condensing unit (ZEAS)



Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation



Puy du Fou

French theme park

Project

The Daikin systems installed throughout the Puy du Fou were chosen to meet the park's green philosophy: to minimise energy consumption, while providing optimum comfort to guests and visitors as the park is participating in the Green Globe programme.

System

- 12 x VRV IV outdoor units (heat pump)
- 100 x concealed ceiling units
- 1 x VRV IV outdoor unit (heat pump with continuous heating)
- 5 x concealed ceiling units
- 1 x VRV III S outdoor unit
- 3 x concealed ceiling units
- 2 x split outdoor units
- 1 x wall mounted unit
- 1 x concealed ceiling unit
- 1 x Sky Air outdoor unit
- 1 x concealed ceiling unit
- 1 x air-cooled screw inverter chiller (heat pump)



Need

☒ Air conditioning

- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Holiday inn

4-star hotel with
108 guest rooms

Project

The strong restriction on sound level (installation in residential area) ,& the limited space in technical room were the main specific features of this project.

System

- 10 x VRV III outdoor units (heat recovery)
- 120 x concealed ceiling units
- 28 x ceiling mounted cassette units
- 1 x wall mounted unit
- Intelligent Touch Manager

www.ihg.com/holidayinn/hotels/us/en/paris/parsg/hoteldetail





Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation



Thistle Hotel

Bloomsbury

Project

The hotel was to remain operational throughout installation, so the system had to be installed with the least possible disruption to guests and floor by floor. The VRVIII Heat Recovery System from Daikin was selected for its supremely low energy consumption and ability to offer massive savings in comparison with similar systems

System

- VRV III outdoor units (replacement VRV)
- 209 x indoor units
(concealed ceiling + wall mounted units)
- Intelligent Touch Manager



Hostellerie des Dames de Champagne

4-star hotel
with contemporary design



www.hostellerie-mont-aime.com/#!/page_Dames_Champagne



Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☒ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Project

Use of a technical room was mandatory for aesthetic reasons and to house the VRV units. The units could not be installed on the roof terrace because it needed to remain accessible in case of evacuation by the fire brigade. Since there was no BMS system at the site, the installer arranged the entire set-up for the installation using 4 zones (zones managed by the ITM) 2 zones of 9 guest rooms each 1 zone for the lobby and breakfast.

System

- 3 x VRV III outdoor units (heat pump)
- 38 x 4-way blow ceiling mounted cassette units
- 18 x concealed ceiling units
- 1 x Daikin Altherma outdoor unit connected to 3 hydraulic modules & 2 domestic hot water tanks (750l)
- Intelligent Touch Manager

Labo laddr

Medical laboratory

Need

- ☒ Air Conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation



“Total building approach using waste heat for offices and allowing individual control.”

Project

Heat recovery (the waste heating energy of the laboratory is used to heat the offices in winter), all rooms are individually adjustable, the laboratory is provided with fresh air by the air handling unit (needed air flow rates of 20,000 m³/h)

System

- 4 x VRV III outdoor units (heat recovery)
- 2 x Sky Air outdoor units
- 4 x ceiling suspended units
- Air handling unit for ventilation
- Intelligent Touch Controller



Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Basildon Hospital

Opts for energy saving climate control system for healthy environments

“We needed to find a system to cool our kitchens, which are spread across the hospital campus, as energy efficiently as possible.

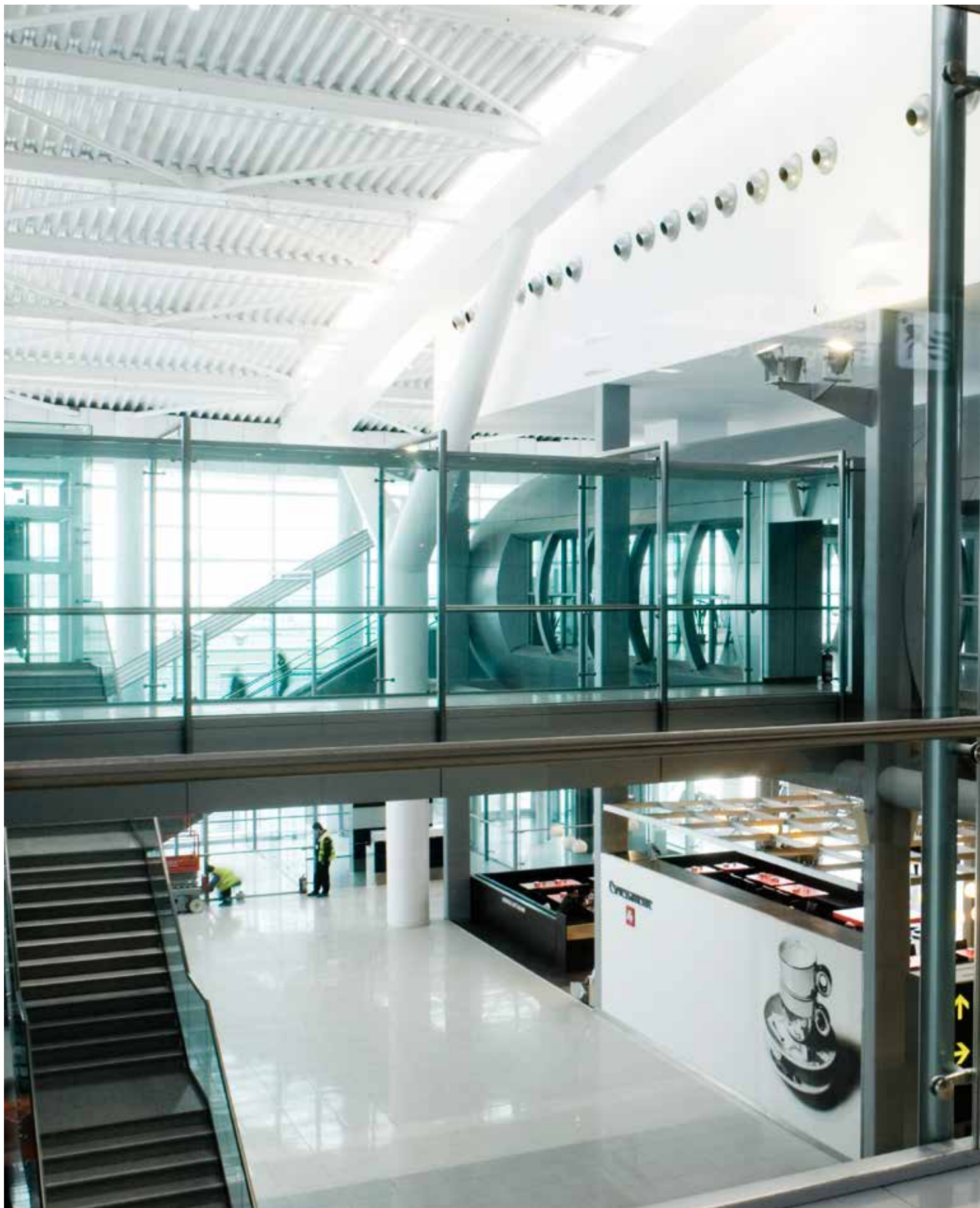
The VRV IV Heat Pump solution from Daikin fitted all our requirements.”

Project

Basildon Hospital is constantly looking to achieve the highest levels of energy efficiency to reduce energy costs. The Daikin VRV IV Heat Pump suited the hospital's requirements for cooling and provision of a precise level of climate control together with energy efficiency and versatility of operation.

System

- 2 x VRV IV outdoor units (heat pump)
- 6 x wall mounted units



Henri Coanda

International airport

Need

- ☒ Air conditioning
 - ☐ Air curtain
 - ☐ Air purification
 - ☐ Control
 - ☐ Heating
 - ☐ Hot water
 - ☐ Refrigeration
- ☒ Ventilation

Project

18,000 m² representing around half of the entire surface

System

- 2 x water cooled screw chillers
- 9 x air handling units

www.bucharestairports.ro



Edificio contenedor University

www.unex.es





"Both from a technical and efficiency point of view, we could offer the best solution, but, most important, the complex solution was made look easy for the customer as he only had one point of contact for both the HVAC systems and controls. A service only Daikin could offer."

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

Surface covered by the installation
and total surface: 5,000 m²

System

- 15 x VRV IV outdoor units
(heat pump with continuous heating) (254hp)
- 54 x concealed ceiling units
- 28 x ceiling suspended units
- 25 x fully flat cassette units
- 8 x wall mounted units
- 8 x floor standing units
- 5 x ventilation units
- Intelligent Touch Manager (control system)

Need

- ☒ Air Conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☒ Hot water
- ☐ Refrigeration
- ☒ Ventilation

"We were very happy to work with Daikin UK to incorporate one of the latest fully integrated renewable systems that would provide heating, hot water, and air conditioning, allowing The Range at Warrington to have a fully controllable system with operation flexibility according to requirements."

Brad Hurter, CDS Group

The range Superstore

Project

Total HVAC solution. Both VRVIII heat recovery and VRV IV heat pump provide continuous heating ensuring comfort at all times. Both systems allow integration of hot water, ventilation and air curtain for a fully integrated approach. Total surface: 7,800 m²

System

- 1 x VRV III outdoor unit (heat recovery)
- 1 x low temperature hydrobox to supply hot water
- 1 x VAM unit (ventilation)
- 7 x VRV IV outdoor unit (heat pump)
- 71 x round flow cassette units (self cleaning)
- Intelligent Touch Manager



CDS / group
www.cdsgroup.uk.com


www.therange.co.uk

Need

- ☒ Air curtain
- ☒ Air Conditioning
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☐ Ventilation

Project

The 2 Conveni-Pack systems supply 32 metres of service counters, 12.5 metres of convenience fridges, one cooling storage room for fruits, an air curtain and 5 indoor units; the ZEAS system supplies two deep freezers with a total capacity of 5 kW

System

- 2 x Refrigeration condensing units for medium temperature refrigeration (Conveni-Pack)
- 1 x Refrigeration condensing unit for low temperature refrigeration (ZEAS)

Edeka Buschkühle

Supermarket / shop

www.einkaufen-erleben.de



E. Leclerc Drive

Multi-channel food retailer

Need

- ☐ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☐ Ventilation

Project

The drive-in supermarket, located in an old printing house, required refrigeration. As the installer was already familiar with Daikin's VRV system, ZEAS proved to be the perfect solution, offering both medium and low temperature refrigeration, even though temperature can widely vary from summer to winter.

System

- 3 x Refrigeration condensing units for low temperature refrigeration (ZEAS)
- 2 x Refrigeration condensing units for medium temperature refrigeration (ZEAS)

Gap - France



Need

- ☐ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☐ Ventilation



Energiehuis

Culture & entertainment venue

www.energiehuis.nl



Project

Initially the equipment was meant to be installed in the basement or behind the bars. Both options failed because of the effect of heat rejection. The ZEAS unit, installed on the roof, made it possible to bridge the height difference. The unit is connected to 19 locations, this to serve in total 4 bars and 1,100 visitors.

System

- 1 x Refrigeration condensing unit (ZEAS)



Check on YouTube

http://youtu.be/uyjIF_13q4c

Cinemeerse

Large cinema

Need

- ☐ Air curtain
- ☒ Air Conditioning
- ☐ Air purification
- ☐ Control
- ☒ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☒ Ventilation

Project

Efficient and quickly responding air handling system with accurate control of the supply air temperature

System

- 12 x VRV III outdoor units (heat recovery)
- Air handling units with VAV (70,000m³/h)





Building owner:

"The air conditioning system that is installed does exactly what it should do, and barely requires follow-up."

Installer:

"I dare to assert that in a record time (construction took only four months) we have built the most energy efficient cinema in The Netherlands, and even in Europe."



Icebar London

Restaurant

Need

- ☒ Air Conditioning
- ☒ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☒ Hot water
- ☒ Refrigeration
- ☒ Ventilation

Project

The refrigeration system was required to work in conjunction with a total climate control solution that would provide air conditioning, heating and ventilation to the bar, restaurant, kitchen and washroom areas.

System

- 2 x Refrigeration condensing units (ZEAS)
- 1 x VRV III outdoor unit (heat recovery) with hot water production
- Biddle air curtain
- 1 x VAM unit (ventilation)

www.icebarlondon.com



Need

- ☐ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☐ Ventilation

Project

A compact chilling system able to deal with the demand of 1,400 tons a week.

System

- 4 x Refrigeration condensing units (ZEAS)

Eskimo Ice

Ice manufacturer

www.eskimo-ice.co.uk



"The Daikin solution was the most attractive, and the ZEAS machines are a trim modern alternative to the usual big condensing units. The scroll compressors in each unit modulate according to demand and offer greater operating efficiencies than other options in the market."

Owner Gavin Marks

Need

- ☐ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☐ Ventilation



Bäko West

Bakery cooperative

www.baekowest.de

Project

Keeping ingredients and food fresh is vital to the BÄKO West eG bakery co-operative in the German city of Bochum. Servicing bakers and confectioners throughout the region, wholesaler BÄKO needed to ensure that its cooling and freezing systems operated safely and reliably at all times. An important consideration for the co-operative was that the new system would be installed without downtime for its business. The medium temperature area was back in operation in just five weeks.

System

- 6 x Refrigeration condensing units for low temperature refrigeration (ZEAS)
- 6 x Refrigeration condensing units for medium temperature refrigeration (ZEAS)



Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ Control
- ☒ Heating
- ☐ Hot water
- ☒ Refrigeration
- ☒ Ventilation

Chateau Angelus

chooses Daikin
to produce its quality wines

www.angelus.com





Project

Daikin's expertise in winery applications, high efficiency, reliability & precise temperature control have been decisive during this renovation project.

System

- 4 x air cooled inverter chillers
- 4 x air handling units
- 3 x split outdoor units
- 2 x VRV outdoor units (heat pump)
- 10 x wall mounted units
- 5 x concealed ceiling units
- 2 x concealed floor standing units
- 1 x floor standing unit
- 1 x ceiling mounted cassette unit



Röder HTS Höcker

Marquee manufacturer

Need

- ☐ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☒ **Control**
- ☒ **Heating**
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation

Project

The 8 metres high production hall and office needed underfloor heating. As a gas connection was not available, an oil burner was thought to be the only option. A more economical and environmentally friendly solution was offered by Daikin.

System

- 3 x air-cooled inverter chillers
(with remote hydraulic module)

www.roderhts.com



Malteurop

Malting plant

Need

- ☒ Air conditioning
- ☐ Air curtain
- ☐ Air purification
- ☐ Control
- ☐ Heating
- ☐ Hot water
- ☐ Refrigeration
- ☐ Ventilation



Project

Increase power of cooling capacity

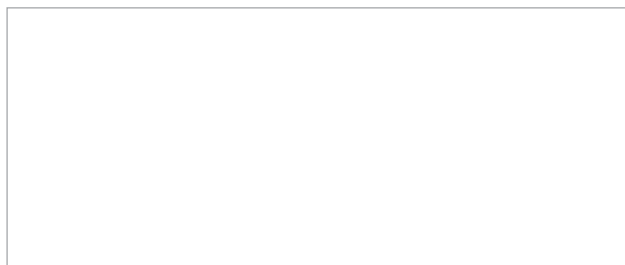
System

- 2 x air-cooled screw chillers





Daikin Europe N.V. Naamloze Vennootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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