



Total solutions for the HoReCa sector

Ultimate comfort with
energy efficiency in mind

Heating - Air conditioning - Hot water - Ventilation - Refrigeration - Intelligent control

The aims of a hotel or catering establishment:

Hospitality, economy, reliability.

At Daikin, we believe that for hotels and restaurants, it is essential to provide the highest level of comfort all year round for optimal guest comfort and satisfaction. Hotel and restaurant owners also need to reduce energy consumption, manage energy costs, and have confidence in the reliability of their systems. Daikin combines experience, technical innovation and responsive customer service to help you meet all your objectives.

"Having a partner that provides reliable services and quality is of paramount importance to us. For a long time, Daikin has been our reliable partner in refrigeration, and air conditioning solutions." - Péter Csanádi, Central Technical and Investment Director of **Danubius Hotels Zrt.**



Why Daikin?

Optimising energy use and operating costs must also align seamlessly with your objectives for reliability and comfort. That's why Daikin's offer is designed to give you precisely that.

Maximum comfort for your guests

Daikin helps you guarantee that every guest experiences perfect comfort with our easy-to-use, quiet system.

- ✓ Low sound indoor units (19 dBA)
- ✓ Unnoticeable, draught-free cooling and heating
- ✓ User-friendly, customised control
- ✓ Hot water up to 80°C
- ✓ Best indoor air quality guaranteed
- ✓ Integration with hotel software ensures that the room reaches the right temperature before the guest enters

Reliability

- ✓ Own service network and available customer support
- ✓ Replacement technology: Specially developed for refurbishments
- ✓ Automatic filter cleaning: ensures clean air and promotes more efficient operation with cost reductions

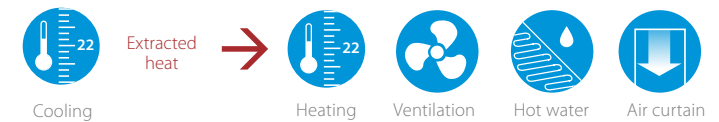
Reduce and manage your energy consumption

Daikin's sophisticated heat recovery systems, can save you energy and money.

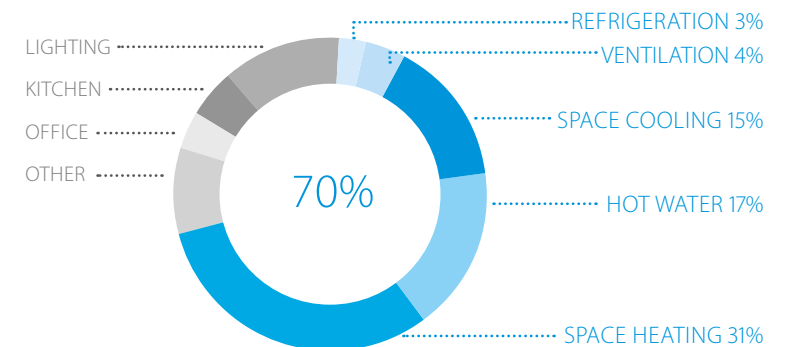
- ✓ Free heating and hot water through heat recovery
- ✓ HVAC-R and third-party equipment can be managed via touchscreen from one central location or even remotely
- ✓ Intelligent hotel room controllers interlock with key cards and window contacts to optimise energy efficiency when guests leave their room or open a window
- ✓ One integrated system offers savings on your running costs and provides a single point of contact for convenience
- ✓ Inverter technology and Variable Refrigerant temperature constantly adjust the operation of the system to achieve the highest seasonal efficiency and ensure top comfort
- ✓ Best support is provided to build your sustainable building with a BREEAM certificate

BREEAM

VRV heat recovery system



One integrated system manages 70% of your energy bill



Daikin has a total HVAC-R solution for your hotel

From the reception to the guest rooms, including kitchens and technical rooms, each space in the hotel may have specific and unique requirements for heating, air conditioning, ventilation, and hot water.

Daikin offers you a comprehensive solution that meets these requirements, entirely managed by a centralised control system with a single point of contact.

Guest room



Maximum guest comfort while maintaining control of energy use:

- Each guest can individually choose their cooling or heating within set limits
- Hot water up to 80°C produced with renewable energy
- Quiet indoor units ensure a good night's rest, while our unique automatic filter cleaning system ensures high quality fresh indoor air



⊕ Intuitive remote control with built-in connection to key cards or window contacts, enabling energy-saving features.

⊕ A wide range of indoor units is available, including concealed, wall-mounted, etc.

Kitchen



Comprehensive control and monitoring of air conditioning, heating, hot water, and refrigeration:

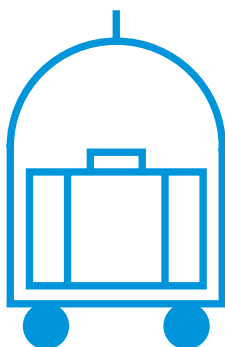
- ⊕ Heat recovered from refrigerated display cases and cold chambers is utilized to enhance heating in other areas.
- ⊕ Dedicated inverter refrigeration solutions.
- ⊕ Cooling counter.

Domestic hot water



Produce large amounts of hot water independently, reaching temperatures up to 80°C.:

- ⊕ High efficient hot water production with renewable energy.
- ⊕ Possibility to connect to thermal solar collectors.
- ⊕ Save up to 17% compared to gas boiler systems.





Heating



Cooling



Ventilation



Air Curtain



Hot water



Centralised control



Refrigeration



Hotel entrance



Central control



Provide your customer with a sense of maximum comfort from the moment they enter:



The key to keep control over your energy costs and ensure customer comfort:

- ⊕ Air curtains allow doors to be opened without energy loss, while maintaining a high comfort level.
- ⊕ Underfloor heating ensures even temperature distribution in high-ceiling areas.
- ⊕ CO₂ sensors prevent energy loss through over ventilation, while providing sufficient fresh air during peak moments.
- ⊕ Integration with hotel booking software enables the starting of air conditioning when a guest checks in.
- ⊕ Intelligent Smart energy management tools continuously optimize your building efficiency.
- ⊕ All Daikin and third-party equipment can be monitored from one central location and even remotely.

Event space / restaurants / conference rooms



Large spaces that require both an ideal temprature and a fresh air supply::

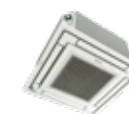
- ⊕ Air handling units combine fresh air, heating and air conditioning in a single system.
- ⊕ A wide range of ccassette, concealed ceiling, and floor standing units to suit the layout and layout of rooms and spaces.
- ⊕ Easy-to-set schedules and central control for the most efficient operation.



Air handling unit



Concealed ceiling unit



Fully flat cassette

Hotel Reina del Mar, Bulgaria

Hotel Group HVD sought a total climate control solution for its first ever luxury beach complex on Bulgaria's Black Sea Coast. An established supplier to HVD, Daikin worked in partnership with local Daikin Partner MMC to design and implement a HVAC-R system to meet the hotel's immediate needs and accommodate future expansion plans.

Technical information

Daikin's HVAC-R solution combines VRV with Mini-VRV systems to provide air conditioning and heating, linked to air handling units delivering fresh air and dedicated refrigeration units. This multi-faceted approach to systems design caters for diverse activities, delivering precise zonal temperature control throughout to create a pleasant environment, while meeting specific functional needs.

In guest rooms, visitors enjoy customisable air conditioning, with whisper-quiet operation ensuring an undisturbed night's sleep. The detached two-level villas are served by Daikin's Mini VRV systems.

Supporting multiple restaurants across the facility, Daikin's ZEAS and Multi-ZEAS systems provide an integrated, energy-saving solution for refrigeration and freezer storage. Daikin's advanced iTouch Manager interfaces with the Building Management System, enabling centralised control and monitoring by staff to ensure comfort levels and energy consumption are both optimised.

Daikin systems

- 700 VRV IV (90 OU)
- 125 VRV (10 OU)
- 25 Mini VRVs
- 32 ZEAS & Multi-ZEAS
- 5 AHU (1x 15.500m³/h, 2x 17.500m³/h, 1x 9.700m³/h & 1x 6.300m³/h)
- Heat Recovery Ventilation units: VAM650J & VAM1000J
- BMS control with iTouch Manager & Messerschmidt



Valamar Dubrovnik President Hotel 5*, Croatia

A range of Daikin solutions, including VRV IV, VRV Heat Recovery and VKM ventilation units, is delivering energy-efficient climate control to the completely refurbished and expanded luxury hotel complex at the Dalmatian coast in Croatia.

Technical information

The reconstruction of the HVAC installation was realised by installing a Daikin VRV IV and VRV Heat Recovery solution for the common areas of the hotel and a fan coil solution for the accommodation units. Also, a major part of the ventilation system was realised with VKM ventilation units type (23 units in total) to ensure optimal comfort and fresh air supply.

In another renovation phase in 2020, the existing heat pumps were replaced with new ones. A highlight of this reconstruction was the installation of a new Daikin air-to-water multipurpose 4-pipe heat pump EWYD-4Z, a highly efficient solution with full inverter technology that enables independent and simultaneous cooling and heating all year round.

Daikin systems

- 6 VRV heat pumps: RXYQ
- 2 VRV Heat recovery units: REYQ
- 5 Mini VRV heat pumps
- 23 VKM heat reclaim ventilation units
- 54 indoor units
- 1 High Temperature Hydrobox for VRV HXHD
- 3 Chillers (EWYQ230DAYN, EWYQ130DAYN, air to water multipurpose unit EWYD-4ZXS)
- 342 Fan Coils: FWE04
- 3 intelligent Touch Manager controllers



In addition to its broad product portfolio, Daikin delivers turnkey project solutions that are **“All in ONE”, i.e. a one-stop solution**, for which not only the design and sales but also the installation, commissioning, system monitoring, maintenance and ongoing technical and service support can be provided by Daikin.



Whether it's a new build or renovation project, as a customer, you will benefit from the professional support provided by Daikin.

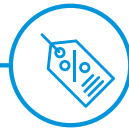
How it works

Here's how Daikin Total Solutions works at a glance



Step 1: Your needs

The process begins with an introductory meeting to get to know you and your business. We'll take this opportunity to learn about your specific challenges and needs.



Step 2: Our solution

Based on the introductory meeting, we'll then prepare a concrete proposal that covers all your needs and provides solutions for any challenges you face on technical and operational level.



Step 3: Roll-out

After validating the offer, we'll roll out the agreement and set up kick-off meetings with your team and Daikin to ensure what we agreed upon is put into practice. You will be able to rely on a regional network of colleagues and partners in all segments and aspects of our business, always available to help you out.



Step 4: Partnership

We'll serve as your go-to partner by providing a one-stop shop of products, services and support. Gain peace of mind knowing your HVAC-R needs are taken care of, while we continue looking for further improvements and innovations.

Daikin's Total Solutions for restaurants and food serving facilities

WHO?



Restaurants



Canteens



Butcheries



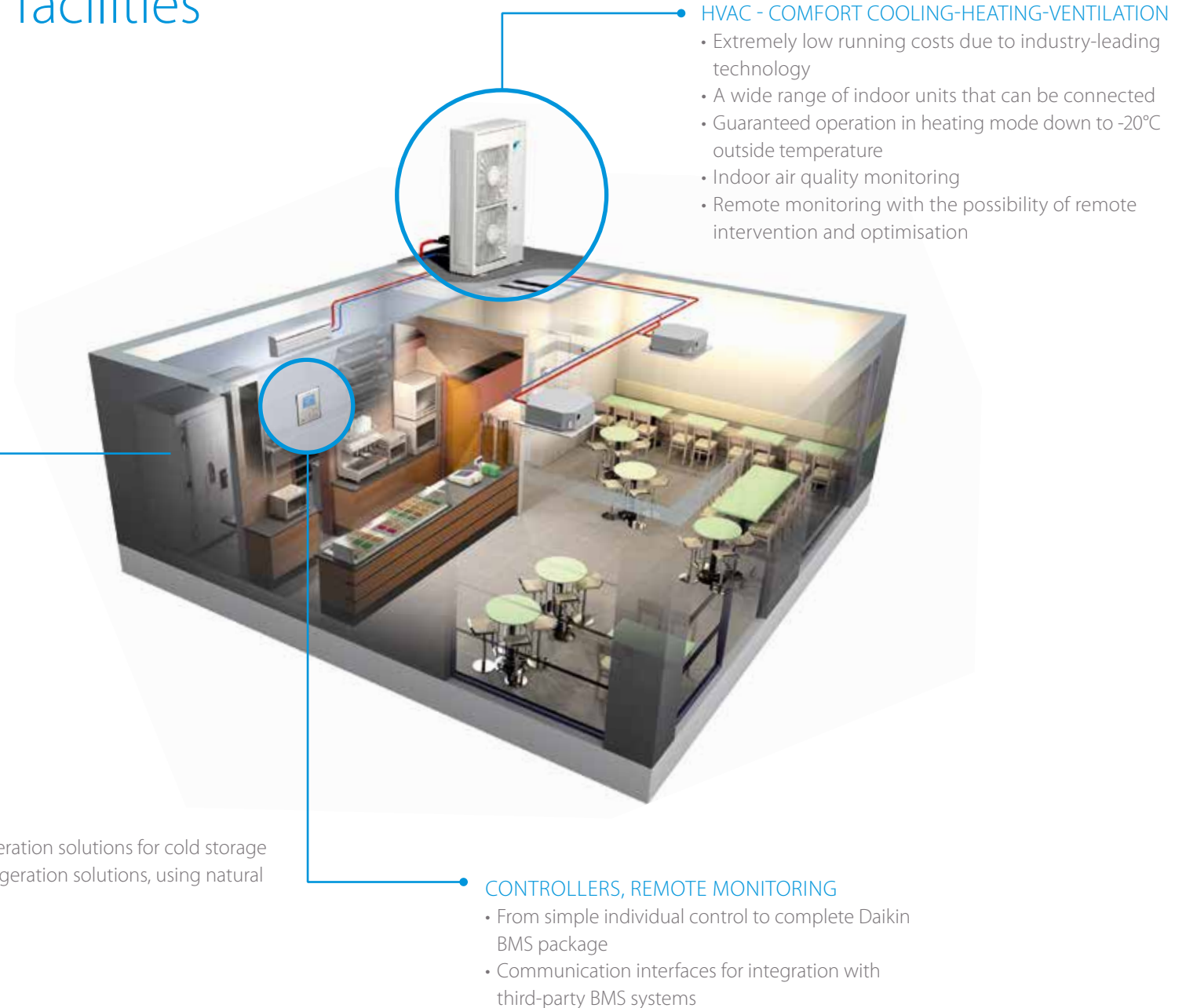
Bakeries



Deli shops



Coffee shops



Daikin reference

Old Fisherman Restaurant and Inn (Tát), Hungary

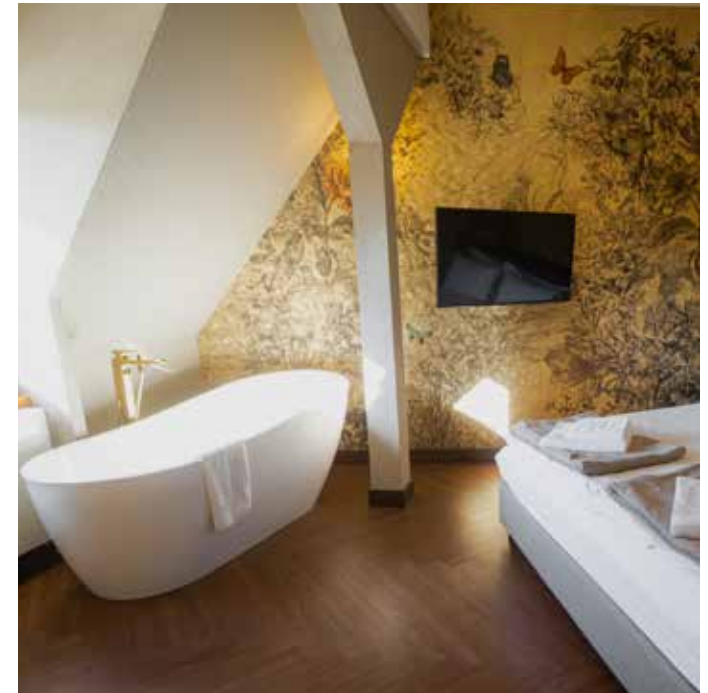
The owner's previous positive experience with Daikin led him to choose the brand again for the renovation of the restaurant and inn. It was essential that the comfort cooling, heating, and air handling solution for the entire building, as well as the kitchen refrigeration solution, should come from one manufacturer. A further advantage of Daikin was that, in addition to design and sales, you can provide one-stop-shopping for construction, commissioning and after-sales service.

The outdoor units for the air conditioning and ventilation systems for the restaurant, kitchen, cold room and hotel are housed in a single machine shed, located in a separate area outside the building, without disturbing the view or the relaxation of the guests.



Daikin systems

- Complete cooling-heating system consisting of several subsystems
- VRV system for the hotel wing (VRV IV+ series and mini-VRV)
- VRV thermal ventilation systems for kitchen and restaurant
- Full cold chamber deep-freezing and normal cooling with ZEAS units
- Intelligent Tablet Central Controller



Gastronomy and restaurants



Cold storage solutions for professional kitchens

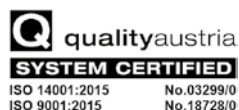
Discover our wide range of cold storage solutions for professional use. From efficient plug-and-play refrigeration and freezer display cases to cold storage solutions, the Horeca segment offers tailor-made solutions for your hotel, restaurant, café or other business, combining reliable performance and energy efficiency.

All this with sustainable technologies and the smallest possible ecological footprint, ensuring that your food remains perfectly fresh at all times.



More information:

Daikin products are distributed by:



Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.P.A. participates in the Eurovent Certified Performance programme for Liquid Chilling Packages, Hydronic Heat Pumps and Air Handling Units. Check ongoing validity of certificate: www.eurovent-certification.com

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