

Reference sheets



KLIMAK

www.klimak.sk

Bringing life inside.



KLIMAK

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01 Company profile

1.1 Service offer

We create the ideal environment for life. We deliver efficient and operationally economical solutions that are environmentally friendly.



Design services and engineering



Technical and price consultancy



Production of HVAC components



Technology distribution



HVAC supplies and installations



Start-up and ramp-up



Warranty and post-warranty service - spare parts



Selling small comfort solutions



GES services and energy management

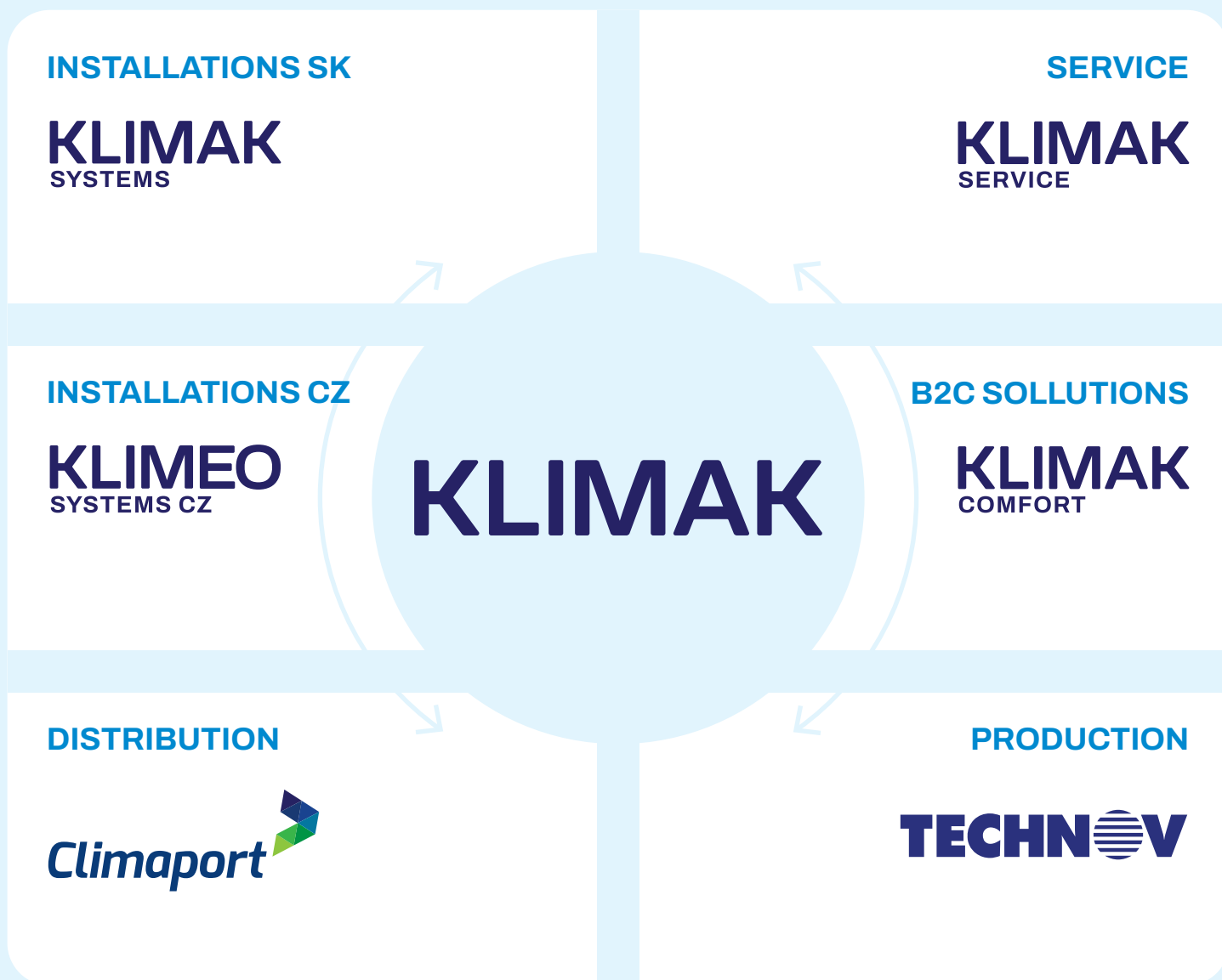


A better environment for production

HVAC solutions for production sites and logistics centres

1.2 KLIMAK Group

We bring together 6 companies that, thanks to the synergy of experts and specialisations, provide together comprehensive services in the field of technical building security.



KLIMAK SYSTEMS

Comprehensive implementation of air handling, refrigeration, heating, metering, control and health engineering works, provision of GES services and energy management.

KLIMAK SERVICE

Comprehensive services in the field of care and maintenance of the technical equipment of buildings.

KLIMEO SYSTEMS CZ

The Prague branch offers comprehensive solutions in the field of air handling, air conditioning, central heating, metering, regulation and sanitary engineering.

KLIMAK COMFORT

Sales, professional installation and maintenance services in the field of air conditioners, heat pumps, heat recovery, floor heating and air purifiers for homes and small commercial premises.

Climaport

Sales and service representation of the brands Carrier, Samsung, Alfa-Laval, Alfa-Luve, BlueBox, and Flowair, covering a wide range of technical and performance series for cooling, heating, air conditioning, and ventilation technology.

TECHNOV

Production of HVAC piping, HVAC components, sheet metal bending, metal fabrication, acoustics, and manufacturing of special applications.



1.3 Basic information about the company

Since 1993, KLIMAK has been delivering HVAC solutions that are comfortable, energy efficient and environmentally friendly.

1993

year of foundation

Nitra

Headquarters

6

number of branches

370+

Staff

70M+

KLIMAK Group turnover

1000+

projects since 1993

Berlin

Prague

Martin

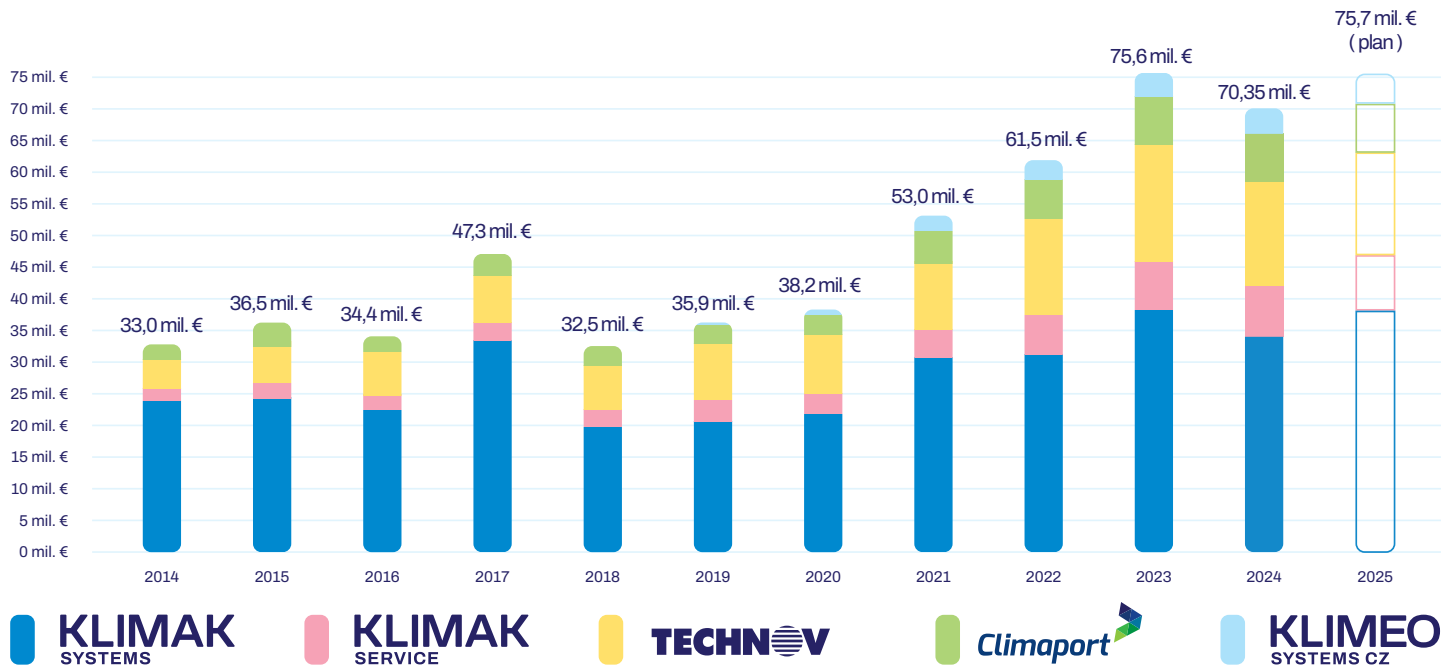
Košice

Zvolen

Nitra

Bratislava

General overview of KLIMAK Group turnover in 2014 - 25



		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Plan 2025
KLIMAK SYSTEMS	Revenue from implementation projects	24.1	24.4	22.4	33.7	19.7	20.4	21.0	30.6	31.5	41.5	34.3	38
KLIMAK SERVICE	Revenue from service projects	1.9	2.4	2.5	2.7	3.0	3.7	4.0	4.2	5.8	4.5	8.15	8.5
TECHNOV	Revenue from production	4.8	5.6	6.9	7.5	6.7	7.6	8.7	10.8	15.0	15.1	16.2	17.0
CLIMAPORT	Revenue from distribution of equipment	2.2	4.1	2.6	3.4	3.1	4.2	3.6	5.4	6.2	7.0	7.5	7.7
KLIMEO	Revenue from installations in the Czechia Republic						0.1	1.0	2.0	3.2	5.5	4.2	4.5
Total		33.0	36.5	34.4	47.3	32.5	35.9	38.2	53.0	61.7	75.6	70.35	75.7

Overview of KLIMAK SYSTEMS turnover development 2014 - 2025

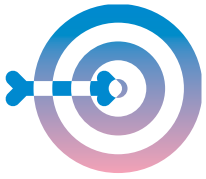


1.4 Mission and why choose us

We are specialists in air handling, refrigeration and heating. KLIMAK was founded with a clear vision - to provide high-quality technical solutions in the field of HVAC. We have come a long way since 1993 and have gradually developed into a leader. But we are keeping up with the times and we are still moving forward!

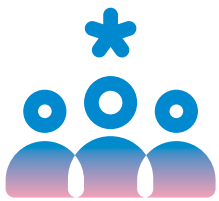
Our mission is to create a comfortable environment and a better life for people. We contribute to the construction of healthy and energy-efficient buildings that ensure the sustainability of business and our planet. By deciding to implement state-of-the-art technology, we want to develop future leaders to turn our ambitious plans into a reality of everyday life.

We are determined to maintain our position as the leader in the field of technical building security in Slovakia and to be a respected player on the European market.



We are reliable and dynamic, which is why we are ahead.

We are proactive leaders who enter into every partnership responsibly, with respect and a clear purpose to exceed customer expectations. We are characterised by flexibility and drive to the goal.



We are a close-knit team, with a desire to create and inspire

We are friends, partners, colleagues, experts. We are a team that believes that delivering a workable solution means being open, curious, with an eye for detail and the determination to roll up our sleeves and work hard.



We are practical perfectionists who know what they are doing

We are interested in both content and form. The whole and the detail. Both the process and the result. We are aware that sustainable growth is dependent on continuous learning, so we know our product, our potential and the environment in which we operate.



A modern office interior with exposed ceiling infrastructure, including pipes and ductwork. Two people are walking away from the camera in the foreground, their figures blurred. The background shows a lounge area with grey sofas and large windows. A large blue and purple graphic overlay is in the top right corner.

A better environment for work

HVAC solutions for office buildings

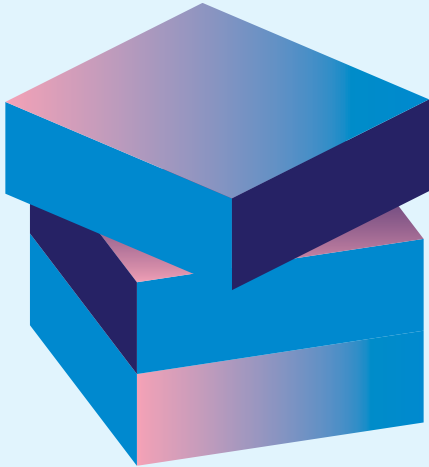
1.5 Personnel policy and employer branding

At KLIMAK, we believe that the success of the company is built on 2 attributes: the work system and the staff that creates and follows the processes. In a phase of continuous growth of the company, when the quality of work remains our priority, the training system is the key to the successful completion of projects. That is why we have implemented an internal qualification improvement system, focusing on project management (both technical and commercial), as well as mastering technical procedures for installation, equipment commissioning, and technology servicing. Significant attention is given to training external installation teams, where we rigorously guide technicians to adhere to internal procedures, ensuring that all components of a project operate as a unified whole, delivering high-quality execution.

HR Manager KLIMAK
praca@klimak.sk

KLIMAK  **DOBRÝ TÍM
PRE DOBRÉ
PROSTREDIE**



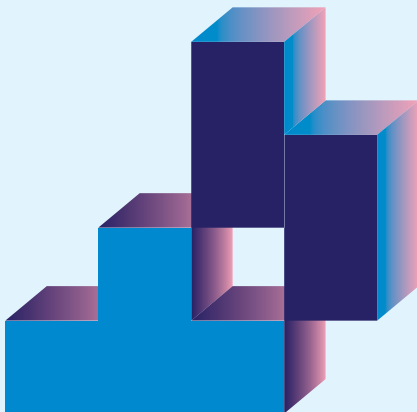
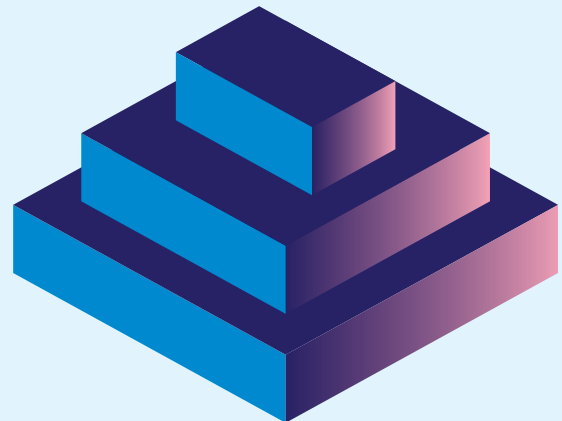


We think two steps ahead

Thanks to our comprehensive understanding of clients' needs, achieving long-term quality and great team cooperation, we have a head start over our competitors.

We play with technique

Playfulness, creativity, and skills acquired over the years allow us to maximise the potential of technology and deliver long-lasting, reliable solutions.



Only team players win

Our most valuable asset is the people in our team, whose expertise and experience raise the standard of the solutions we provide, both at company and group level.

Together we play safe

Only a well-cooperating team, in which we trust each other and can rely on each other, can be stable in the long term.



1.6 Ten reasons to choose us

1 **KLIMAK brand tradition**

since 1993

2 **Reliability and stability**

of a partner acting under the brand name KLIMAK

3 **Comprehensive services**

diversity of activities within the KLIMAK group

4 **Emphasis on long-term cooperation with the customer**

from planning and construction to use of the property

5 **Professional approach**

of a stable company with "family business" values

6 **Strong personnel support**

A motivated and well-trained team with low fluctuations.

7 **Systematic approach**

with regard to the ISO certification and the use of the SAP information system

8 **Pro-client approach and fair business practices**

especially payment discipline and correctness in communication with low fluctuation

9 **Operational regional coverage**

headquarters in Nitra and branches in Bratislava, Zvolen, Martin and Košice

10 **Long-term trust**

important technology subcontractors

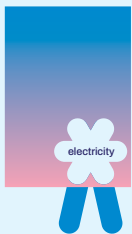


1.7 Legal authorisations, certifications and business policy

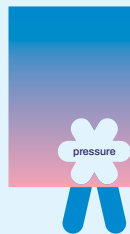
Legislative authorisations and certificates

For the performance of authorised activities, both company and employees hold the following legislative authorisations and certifications:

- authorisation for the repair, installation and maintenance of designated technical equipment under pressure,
- authorisation for the repairs, assembly, reconstruction, inspections and tests of designated gas technical equipment,
- authorisation for the repairs, assembly, maintenance, reconstruction, inspections and tests of designated electrical technical equipment,
- certificates according to Decree No. 508/2009 Coll,
- certificates for repairers and inspection technicians of fire dampers for air handling equipment,
- certificates for welders, scaffolders and binders,
- certificate of professional competence "construction manager"
- professional competence certificate for handling fluorinated greenhouse gases pursuant to Act No. 286/2009 Coll.
- certificate for the inspection of air conditioning systems pursuant to §7 (2) of Act No 17/2007 Coll.



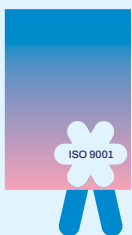
Authorisation:
electrical equipment



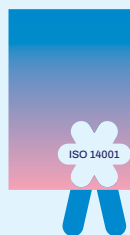
Authorisation:
pressurised equipment



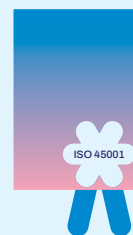
Authorization:
gas equipment



Quality management system
according to ISO 9001



ISO 14001 environmental protection
system



Occupational health and safety
management system
according to ISO 45001

Environmental protection

By introducing an Environmental Protection System according to STN EN 14001:2005, KLIMAK has become one of the companies that emphasise on energy-saving elements and improved eco-manufacturing technologies when selecting suppliers of air handling and air-conditioning equipment, contributing thus to the reduction of negative impacts on the environment.

Special emphasis is placed on the handling of F-gases where, as a company specialised in import, operation, installation, maintenance and service, we have adopted measures and working procedures that ensure the safe handling of these substances. These measures have been implemented in the field of ensuring professional competence, record-keeping, and leakage control of F-gases. The

company has applied working procedures for the handling, separation and disposal of waste from its own operations according to ISO 18001.

ISO Certification

All activities provided by the company to its customers are carried out with a strict focus on customer satisfaction, occupational safety and the environment. This principle is consistently and comprehensively defined in the Integrated Quality Management System. The Integrated Quality Management System includes: Quality Management System according to ISO 9001, Environmental Management System according to ISO 14001 and Occupational Health and Safety Management System according to ISO 45001.

A woman with long dark hair, wearing a white bathrobe, is seen from the side, pouring orange juice from a glass pitcher into a glass. She is sitting at a breakfast table set with a white tablecloth, featuring a cup of coffee, a plate of pastries, and a bowl of fruit. The background shows a hotel room with a bed and a lamp.

**A better
environment
for relax**

**HVAC solutions
for hotel complexes**

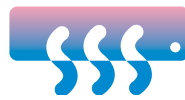
02 KLIMAK Systems

2.1 Service offer

KLIMAK Systems offers professional services in the following range of activities:



Air handling



Air Conditioning



Cooling



Heating



Plumbing



Health Engineering



GES services and energy management



Projection



Ramp-up and start-up of HVAC systems



A better environment for shopping

HVAC solutions for shopping centres and stores

2.2 Key suppliers of the company

In a commercial environment with a multitude of HVAC manufacturers and suppliers, the company's goal is to select partners whose philosophy goes beyond the simple supply of materials. We look for and find partners who offer

added value in the quality of the product or solution, in the approach to its technical and price specification, in the flexibility of logistics and follow-up service support.

TECHNOV production company of the KLIMAK group, engaged in the production of air ducts and components for air conditioning. www.technov.sk



KLIMAK is trained and certified by the following manufacturers and suppliers of HVAC equipment and accessories:

- **CARRIER** - manufacturer and supplier of cooling equipment (chillers, heat pumps, fan coils, rooftops, splits, condensing units, VRV systems)
- **BLUE BOX** - manufacturer and supplier of cooling equipment (chillers, heat pumps)
- **SAMSUNG** - systems designed for cooling and heating for the residential sector, but also large applications for various types of buildings (air conditioners, heat pumps, VRF systems, chillers, etc.)
- **ALFA-LUVE** - manufacturer of heat exchangers for cooling and air conditioning. Special heat sinks and condensers with low environmental impact
- **FLOWAIR** - supplier of efficient ventilation, heating and cooling solutions for industrial premises. Comfort, savings and innovation in one!
- **BOSCH** - manufacturer and supplier of heating technology under the BUDERUS brand. BUDERUS
- **COLT** - Supplier of components and solutions for Smoke and Heat Extraction Equipment.
- **DAIKIN** - manufacturer and supplier of cooling equipment (chillers, heat pumps, VRV systems, splits)
- **DANFOSS** - manufacturer and supplier of heating technology, control and measuring fittings
- **ELEKTRODESIGN** - manufacturer and supplier of fans and HVAC components
- **Fläkt Group** - manufacturer and supplier of HVAC units and equipment
- **GRUNDFOS** - manufacturer and supplier of pump technology
- **HERZ** - manufacturer and supplier of fittings and components for heating and cooling
- **HALTON** - manufacturer and supplier of cooling beams and distribution elements
- **HILTI** - manufacturer and supplier of suspension and anchoring systems and accessories, manufacturer of work tools
- **LG** - manufacturer and supplier of cooling equipment (VRV systems, splits)
- **MITSUBISHI** - manufacturer and supplier of cooling equipment (VRV systems, splits)
- **VENTRA** - manufacturer and supplier of HVAC equipment
- **SIEMENS** - supplier of components and solutions for automation, measurement and control
- **SYSTEMAIR** - manufacturer and supplier of HVAC components (fans, screens, distribution elements, fire dampers)
- **TOSHIBA** - manufacturer and supplier of cooling equipment (VRV systems, splits)
- **VENTRA** - manufacturer and supplier of HVAC equipment
- **WOLF** - manufacturer and supplier of HVAC units and heating technology

2.3 Company insurance

To reduce the costs of damage to movable and immovable property and health, the Company has taken out the following comprehensive insurance:

- Installation insurance against all risks - ALL RISK EAR
- Liability insurance for damage caused by PO
- Insurance of movable property
- Compulsory statutory car insurance
- Accident insurance for vehicles
- Accident insurance for vehicles

2.4 IT system as an advantage

In order to streamline our work and foster a strong team that knows what they are doing and is eager to continuously improve, we created the **myKLIMAK internal application**. The app acts as a personal assistant. It makes it easier for employees to do their job and ensure that they always have all the information they need at their fingertips. myKLIMAK is constantly being improved for the best possible user experience.

Our company relies on the modern **information system SAP Business One**, which comprehensively manages all key processes - from business activities to project management, warehouse management, finance and HR processes. This integrated system allows us to simplify and speed up all operations, contributing to greater efficiency and productivity at all levels.

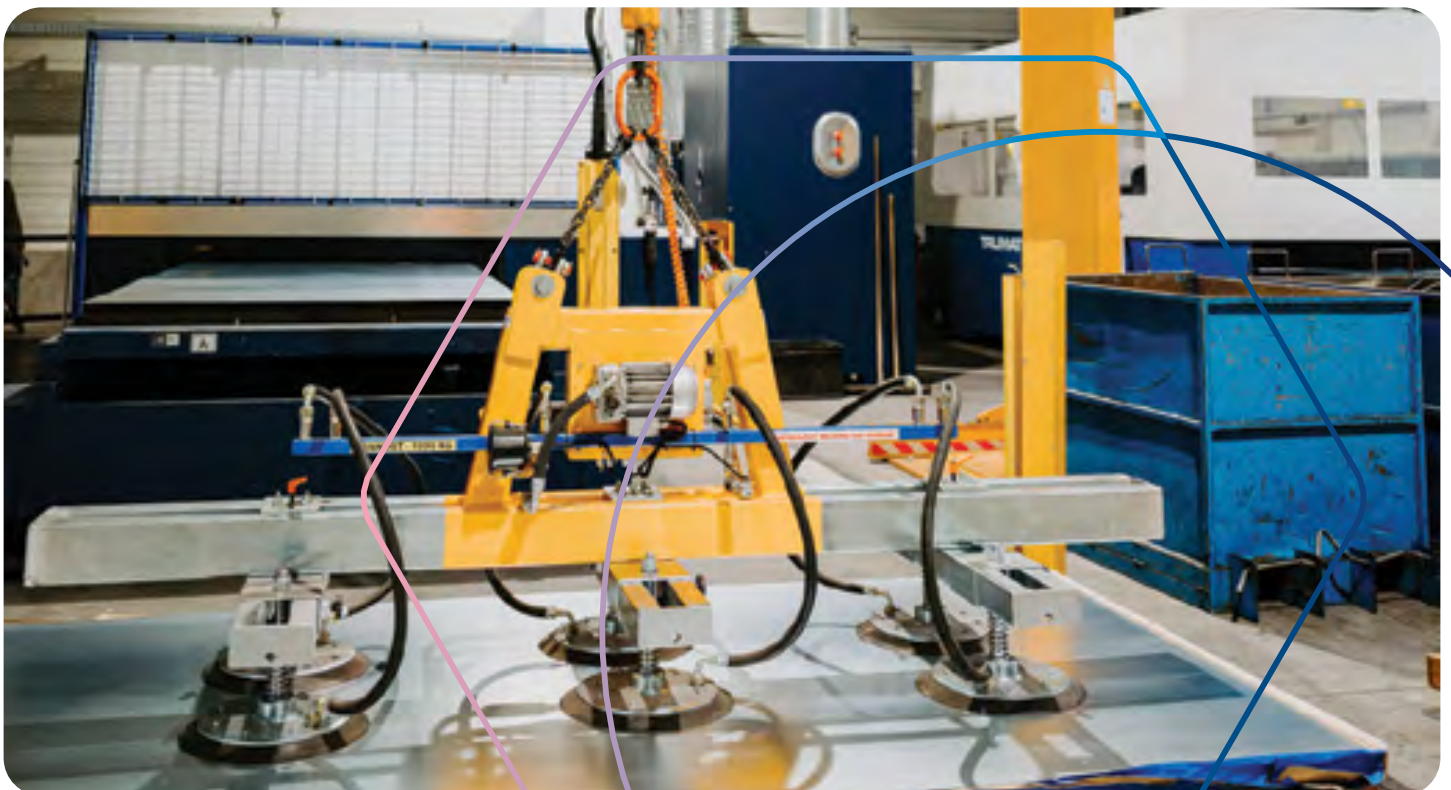
Using this system, we achieve:

Impeccable quality management: Real-time tracking of each step ensures that expectations in project quality and scope are met.

Speed and reliability: Efficient processes mean that all projects are completed on time and according to the agreed terms.

Maximum control: All operations are centralised and interconnected, allowing us to react flexibly to changes and ensure transparency at all stages.

This system moves us forward, gives us a competitive advantage and ensures that every project is delivered to the highest standard, with an emphasis on quality, time and efficiency.



03 KLIMAK Service

Regular and quality service is an essential part of the proper functioning and prolongation of the life of individual HVAC systems.

We offer comprehensive services in the field of care and maintenance of the technical equipment of buildings. The portfolio of services consists in tasks related to design,

supply and implementation processes, mainly to maintenance and management services.

Qualified staff can evaluate the lifetime of the installed technology, find a solution that takes into account the client's budget and ensure then equipment optimisation the user's.

60+
internal service
employees

54,500+
service
hours per year

660+
serviced
objects per year

We perform service on the following systems and equipment:

- air handling, air handling units, fans, air distribution, distribution elements
- refrigeration, cooling stands - chillers, condensers, condensing units, VRV, split units, precision air-conditioning, cold exchangers, circulation pumps, cooling distribution systems and their components
- heating, stationary and suspended boilers, heat pumps, circulators, heat exchangers, solar systems, heat distribution systems and their components
- water treatment plants, pressure filling stations
- measurement and control, master systems, local systems, heat, cold and water meters, data collection
- power and low-current installations for HVAC systems
- we also carry out inspections of fire dampers, expert inspections, and tests in accordance with Act No. 508/2009 Coll., control in accordance with Acts No. 286/2009 Coll., 321/2012 Coll., and 348/2015 Coll., reporting obligations according to Decree No. 314/2009 Coll., and inspections of heating and air-conditioning systems according to Act No. 314/2012 Coll.





Certificates of KLIMAK Service



Quality management system according to ISO 9001



Environmental management system according to ISO 14001



Occupational health and safety management system according to ISO 45001

We provide you with one-time, regular and emergency service

KLIMAK Service provides you with the following comprehensive portfolio of services:

Repair and regeneration

We perform repairs on both state-of-the-art and older equipment. We maintain business relationships with a number of equipment manufacturers, enabling us to supply spare parts and complete machines. If the machine is no longer supported by the manufacturer, we can find an adequate replacement under certain conditions.

Controls

Our legal department continuously monitors legislative changes in technical areas, and KLIMAK Service is authorised to carry out selected legislative checks.

Advice

We are happy to offer our customers our many years of experience in the field of climate comfort. We provide this service free of charge to our contract customers and to others by mutual agreement.

Automation

Automation is the most dynamically developing sector, without which no technological equipment and building technology systems can be in operation today.

Delivery and installation

According to your specifications, we will deliver and install a turnkey project, ranging from a single unit to larger systems. We can adapt our solutions to any building in order to make the indoor environment as comfortable as possible, taking into account the energy efficiency of the systems.

Technology tests

Comprehensive tests

Comprehensive tests shall be carried out during the handover of the project. We use them to demonstrate the operation of machines and equipment, their safety, functionality and reliability. The comprehensive test is preceded by preparation for the comprehensive test, as well as for individual tests, without which the comprehensive test cannot take place.

Test operation

The test operation is used to verify that the equipment will be able to maintain the parameters specified by the designer under the anticipated operating conditions. The test operation shall be carried out after the handover of the project. It is carried out only in a facility that is in operational mode, equipped with devices, technologies, and occupied by personnel.

Warranty tests

Warranty tests are used during the warranty period to verify that the equipment or systems meet the technical parameters according to the design documentation. The content and scope of the warranty test can be applied to complete systems, but also to selected sections according to the customer's requirements.

Vibrodiagnostics

Air handling and cooling systems are largely equipped with rotating machinery, which generates vibrations. Each mechanical deviation or defect generates vibrations in a different way. The main objective of vibrodiagnostics is to detect a machine fault and determine the cause by analysis before the machine itself is damaged.



Configuration

Most users perceive discomfort in the use of HVAC equipment, which is caused by an improperly managed start-up and the configuration of devices in their interconnections. However, the equipment that passes through the hands of our expert staff is configured to provide you with a comfortable environment, where you will feel comfortable.

Satisfaction

Over 660 service orders per year



Designing

We will provide you with the inspection and preparation of the project documentation for air handling, air conditioning, central heating, and automation, and we will advise you on how to avoid unexpected conflicts during the construction, installation, and operation of the systems.

IMI Hydronic Engineering

IMI HYDRONIC ENGINEERING is a specialised engineering company that designs, manufactures and supplies products that control the precise movement of fluids. It deals with innovative approaches and technologies, specialising in the development of valves and actuators that enable a safe, clean and cost-effective process.

04 KLIMAK Comfort

KLIMAK Comfort provides sales, professional installation and maintenance services for air conditioners, heat pumps, heat recovery units, photovoltaic systems, underfloor heating and air purifiers for homes, offices, small and medium-sized commercial premises.



Heat pumps



Air Conditioning



Recuperation



Service



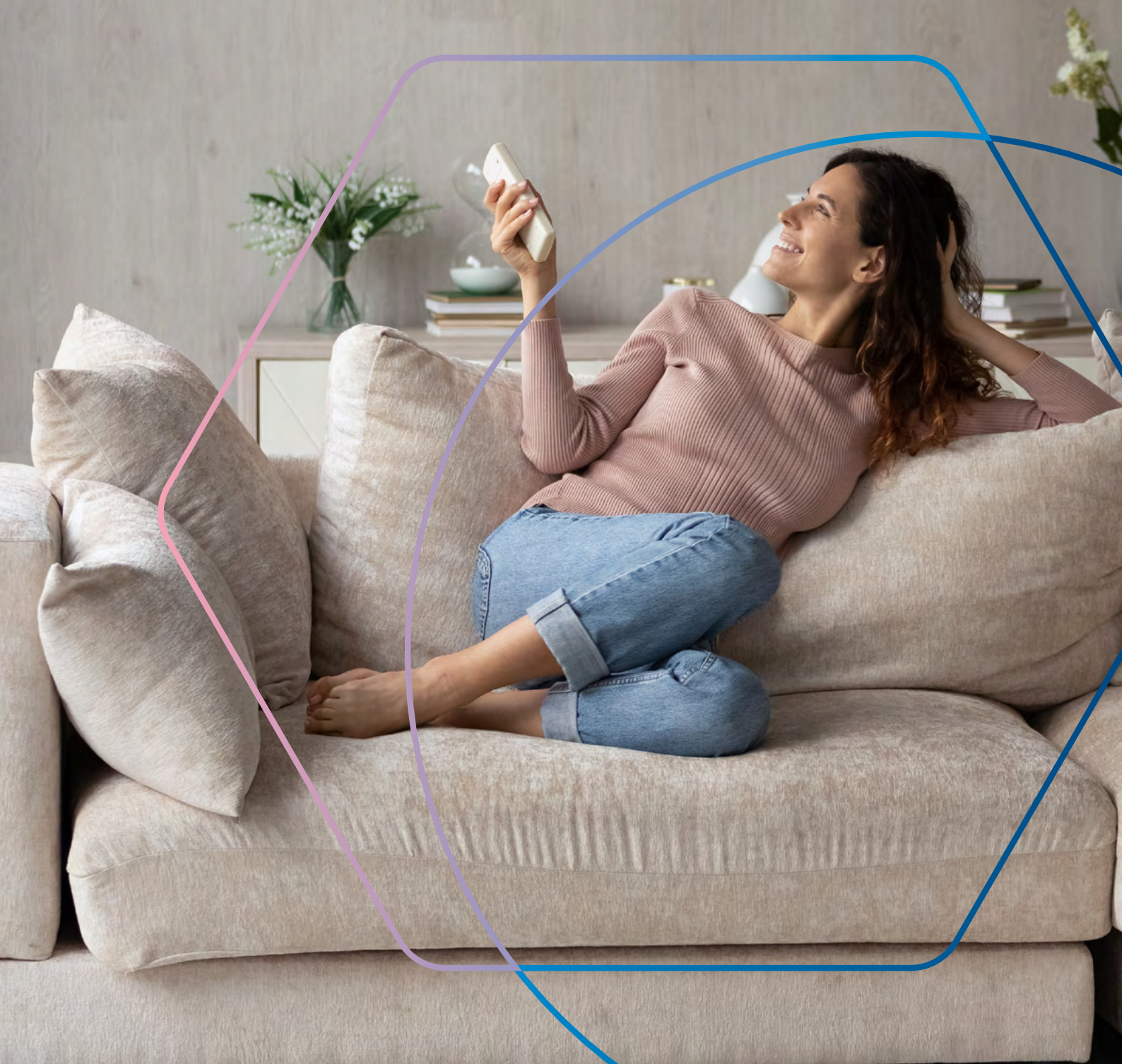
Underfloor heating



Photovoltaic systems



We offer **top-of-the-range equipment from the world's leading manufacturers**, such as Samsung, Carrier, Daikin, LG or Toshiba. We have equipment in stock all year round and can provide qualified installation at short notice. We provide a comfortable environment for our customers throughout Slovakia through our network of branches located in **Bratislava, Nitra, Martin, Zvolen or Košice**.



Why choose us?



HVAC market leaders

We have been operating since 1993 and we are market leaders in the field of technical security of buildings



Professional approach

Our services are provided by qualified professionals



Coverage throughout the territory of the Slovak Republic

We have 5 brick-and-mortar branches



Comprehensive services

From inspection and sales to installation and servicing



Quality products

We offer world-class equipment from world-class brands

We will provide you with a comfortable home in any region



Our
TOP brands

SAMSUNG

Carrier

DAIKIN

TOSHIBA

LG



Bringing life inside.

05 Selected references

Each project is a demonstration of our expertise, innovative approach and a long-term commitment to create a comfortable and good environment. We chose our references due to their uniqueness, comprehensive solutions and ability to adapt to the unique requirements of clients.

5.1 Eurovea 2 J&T REAL ESTATE, a.s.

At the end of 2020, we won one of the largest contracts - EUROVEA 2. It represents a continuation of the cooperation with the developer J&T Real Estate aimed to extend the Eurovea multifunctional commercial-residential project, which is part of the newly emerging modern Eurovea City district.

During this project, we implemented HVAC, central heating, and cooling solutions in six building objects:

- Business centre including underground garage
- Residential buildings Nábřežie/Riverside and Veža/Tower
- Pribinova X and Pribinova Y office buildings

The dominating feature of the entire project is the first Slovak skyscraper Eurovea Tower, 168 m high, offering 389 residences across 45 above-ground floors. Together with the Riverside apartment building, it provides owners with an

unobstructed view of the Danube River. Both administrative buildings Pribinova X and Pribinova Y have 40,000 m² of lucrative office space, which meet quality standards according to the certificate BREEM Excellent and Outstanding.

In May 2023, as part of the project, we developed spaces for Slovenské elektrárne. Since January 2024, we have been involved in the preparation of the SO06 premises for a number of tenants such as Accace, Design Space and Titans. In total, we supplied nearly 17 kilometres of cooling and heating pipes, more than 600 radiators and 594 fan coils.

Administrative buildings



5.2 Galvani Business Centre KRON Real

In November 2020, KLIMAK carried out the administrative project GALVANIHO BUSINESS CENTER V., which represents the continuation of a series of administrative centres on the eastern outskirts of Ružinov. We implemented the complete air-handling and heating solutions, using cutting-edge technologies, stylish indoor air distribution elements and heating units as part of the installation. During the construction, we also provided the delivery and assembly of yjr structures placed under the HVAC units on the roof of the building.

The most interesting thing is that during the installation of the HVAC ducts located in the so-called "risers", we used the so-called prefabrication system, which means that in the production hall of our partner company, Technov, a group of multiple HVAC ducts will be assembled, along with suspension, anchoring and insulating materials, into compact units. The assembled HVAC blocks were then transported to the construction site and inserted into the construction shaft with the help of a crane. This procedure ensured the required quality, workmanship and tightness of the pipes in the shaft, which is only accessible from one side.

Administrative buildings



5.3 Promenada Living Park ICT Reality spol. s r.o.

KLIMAK participated in the implementation of the complete air-handling, heating and cooling solutions (including heat and cold sources), as part of the project Promenada Living Park Nitra. It is a multifunctional complex consisting of a shopping centre with more than 26,000 m² of retail space shared by 120 shops and an attractive residential part consisting of 3 apartment blocks with 89 apartments. The project is situated on the banks of the Nitra River, adjacent to the pleasant Brezový háj park and boasts a lucrative location with views of the Nitra Castle, an attractive promenade area with large green spaces, sports facilities and a cycle path.

The ventilation of the shopping centre was provided by 40 assembled air handling units. The ventilation of the flats was solved by means of room recuperation units with enthalpy exchanger. In order to provide cooling for the business centre and the residential area, including pre-installation for apartment cooling, we used a cooling source equipped with 3 Carrier chillers with a capacity of 4 MW, working in conjunction with open cooling towers and a dry cooler for free cooling. The buildings are supplied with heat from a gas boiler room with an output of 3.1 MW, which is equipped with 3 condensing boilers.

Shopping centres and stores



5.4 EPERIA II-nd stage J&T REAL ESTATE, a.s.

In September 2020, KLIMAK was responsible for the implementation of the complete air-handling, heating and cooling solutions (including cooling sources) for the project Eperia II in Prešov. It represents an extension of the existing shopping centre with an area of 22,000 m² of commercial surface by an additional 11,000 m² with 25 rental units on three floors.

The entertainment area has a cinema with 5 modern auditoriums, a fitness centre and a children's play area. EPERIA Shopping Mall is located in the Sekčov residential area in the main business zone of Prešov. Thanks to its excellent accessibility by both public and private transport, it serves a surrounding population of 330,000 residents. The ventilation of the shopping centre extension was provided by 17 air handling units. The cooling of the second stage of the shopping centre was solved by using a cooling source, which consists of 2 Carrier chillers with an output of 1.5 MW.

Shopping centres and stores



5.5 Metropolis Mint Investments

Within the Metropolis Residence project, KLIMAK implemented all HVAC solutions, including air conditioning, cooling and heating. Metropolis is a modern and stylish project with high standards and excellent amenities for living in the heart of the capital. Specifically, it consists of two buildings positioned one in front of each other, with 16 to 18 floors, offering a total of up to 298 residential units.

From the standpoint of our solutions, the project is unique due to its ceiling heating and cooling system supplied by Rehau. In total, we have installed more than 130,000 m of piping for this system. Likewise, the air-handling system is designed in a decentralised manner for each residential unit, with its own heat recovery unit. We also installed 10 air handling units on the site.

Residential complexes



5.6 SKY PARK Residence

PENTA INVESTMENTS LIMITED, o.z.

In the popular location of Mlynské Nivy we have participated in the construction of one of the largest residential-administrative complexes in Slovakia. The SKY PARK project the by world-renowned architectural firm Zaha Hadid combines modern architecture intertwined with an innovative and unique HVAC system designed for the residential area.

In individual stages, we covered the comprehensive implementation of the innovative air-handling system, as well as of the heating and cooling solutions.

Residential complexes



5.7 Next Generation Hospital BORY PENTA INVESTMENTS LIMITED O.Z.

Our company supplied and installed the air-handling systems for the clean areas and other areas in the modern project of the new generation hospital Bory. The hospital provides planned and acute healthcare at the highest European level. It is equipped with 400 beds in a single-room standard and, among other things, 14 state-of-the-art operating theatres, a central robotic drug preparation room and modern radio-diagnostic equipment. Emphasis was also placed on the architecture itself to create a healing environment for hospitalised patients.

The delivery mainly included HVAC units (50 pcs are located in the air-handling machine rooms), circulation units, laminar ceilings and clean extensions for these spaces. Indoor end devices are mainly induction units such as fan coils, chilled beams, slot diffusers, and anemostats. The total supply of HVAC piping amounts to more than 40 000 m².

Civic amenities



5.8 AGEL Hospital, Košice-Šaca Chemkostav, a.s.

In 2022, we worked on a project with Agel Hospital Košice-Šaca, a.s. The purpose was to reconstruct the selected premises within the agreed scope. Hospital premises require high standards of environmental quality (both in terms of cleanliness and humidity). We had to automatically adjust the selection, installation and setting of the equipment we supplied, in order to ensure that the parameters mentioned above were exactly met. For example, the air-handling piping had to be completely cemented to prevent water or air leakage. We also used special clean fittings and HEPA filters that will be replaced as part of the regular service.

In the aforementioned reconstructed premises we have gradually implemented all our solutions - air-handling, cooling and heating. We installed 9 Mandík air-handling units with a total capacity of up to 71 100 m³/hr. For cooling, we designed an air-cooled chiller with a total cooling capacity of 370 kW. The cooling of day rooms and bed areas was provided by a VRV air-conditioning system with an output of 110 kW. Heating was provided by a heat transfer station steam/water + hot water/water.

Civic amenities



5.9 Jaguar Land Rover Nitra manufacturing plant Jaguar Land Rover Slovakia s.r.o.

KLIMAK company carried out the delivery and installation of cooling, heating, and ventilation solutions for Energocentrum and the entire Jaguar Land Rover manufacturing plant in Nitra. It included the complete design, supply and installation of HVAC solutions for the new building of the paint shop, as well as of air-handling solutions for the paint shop technology. The Energocentrum project involved the supply of cooling and heating water to the entire production area. The heating source in the first stage of construction are 3 BOSCH boilers, with a total output of 37.8 MW.

The cooling system is provided by 5 DAIKIN turbo-coolers with a total capacity of 33.0 MW and 13 BALTIMORE cooling towers with a capacity of 45.9 MW. This entire complex cooling and heating system is circulated by 83 smaller, but mostly large pumps. The delivery included approximately 8.5 km of steel pipelines with sizes from DN 15 to DN 1000. Thanks to the use of pre-assembly in the construction of the halls, we managed to complete the project within an ultra-short timeframe of six months and the actual commissioning took place at the end of 2017.

Production and logistics centres



5.10 Hotel Spa Complex Brusno Lázně Darkov, a.s.

As part of the Brusno spa hotel complex, we participated in the completion of the unfinished extension of the Pořana Spa House water world, which has been in operation since 1985. In 2005 - 2007, the spa was renovated and currently offers more than 200 accommodation places and leisure services. The scope of our work consisted in the provision of an air-handling system and, therefore, we supplied and installed 4 C.I.C. Hřebec air-handling units, with a total capacity of 70,000 m³/h, as well as air-handling units, together with the associated piping and individual distribution components necessary for the ventilation of the pool hall and wellness area.

Besides that, since the beginning of 2023, we renovated the boiler room, replacing the original boilers with 3 new Buderus condensing boilers, in order to optimise consumption and at the same time increase heating capacity. We also made new pipelines for the mineral water heating in the wellness area and also for the needs of the air conditioning. At the same time, we installed 2 new BlueBox heat pumps in the aforementioned wellness area of Caracalla Spa, which are primarily used to provide hot water for the underfloor heating.

Hotel complex



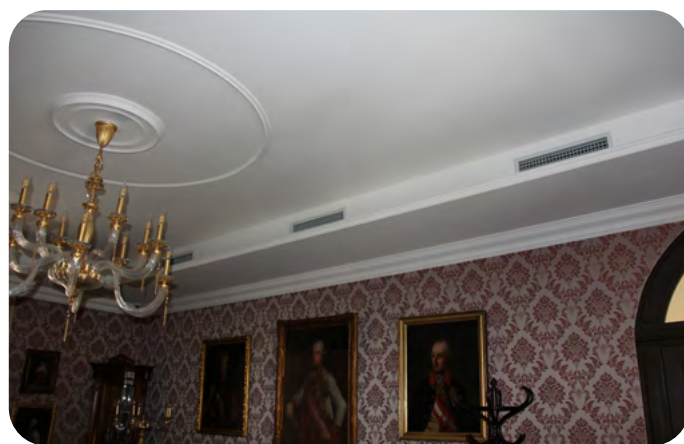
5.11 Pálffy Castle

PALK, a. s.

The Pálffy Palace project in Svätý Jur was successfully completed in 2022. The building itself has undergone many renovations and we are very happy that we have participated in one of them. The renovation work had to take into account the preservation of the original character of the building, and therefore the solutions we used also met these requirements. These included, for example, copper design elements, some of which were produced by our colleagues from TECHNOV (louvers, outlets and ventilation head).

In the congress hall of the building, we installed an HVAC unit in the attic. The power supply was routed through underground piping. During the work we found vaults that we had to avoid in order to prevent any damage. Within the building there is also a brewery, where we implemented cooling and air-handling solutions.

Civic amenities



5.12 Logistics centre R7 GO ASSET Development k. s.

In May 2021, we supplied the air-handling and cooling solution for the logistics centre in Kostolné Kračany. Functionally, the building is divided into the main hall, the administrative offices and the individual built-in units. Air exchange is ensured in selected areas by using Mandík units, as well as Atria, and Salda heat recovery units.

The distribution is handled conventionally through SPIRO or rectangular pipes, ending with a distribution element (anemostat or slot diffuser). Direct cooling is designed with split systems for individual rooms (VRV system) for larger office spaces.

Production and logistics centres



06 Overview of major projects

Administrative buildings

Hotel complexes

Shopping centres and stores

Production and logistics centres

Civic amenities

Residential complexes

AB ROSUM, Bratislava
AB THAMOVA, Prague
ADMINISTRATIVE BUILDINGS NAY, Bratislava
ADMINISTRATIVE OFFICES ESET - AUPARK TOWER, Bratislava
AIR-TRANSPORT EUROPE, Bratislava
ALLIANZ SLOVENSKÁ POISŤOVŇA, Nitra
AMAZON, TWIN CITY TOWER, Bratislava
BASTION OFFICE, Košice
BBC1+, Bratislava
BUSINESS CENTRE MOSTNÁ UL., Nitra
BUSINESS GARDEN ŠTEFÁNIKOVA 13-15, Bratislava
HEADQUARTERS OF UNICREDITBANK, Bratislava
DIGITAL PARK III, Bratislava
DV CENTRUM, Trenčín
EUROVEA 2, Bratislava
GALVANIHO BUSINESS CENTRE, Bratislava
CHEESE HOUSE, Nitra
JURKOVIČ CHAPEL, Bratislava
CREATIVE CENTRE RTVS, Bratislava
OAC NA PŘÍKOPE 14, Prague
PANORAMA BUSINESS III., Bratislava
PANORAMA CITY - II. Etapa, Bratislava
Headquarters of Johnson Controls International s.r.o.
Multifunctional Centre Einsteinova, Bratislava
POST OFFICE 1930 - BLOCK C, Košice
RIVER PARK, Bratislava

HEADQUARTERS OF HERZ COMPANY, Bernolákovo
WAREHOUSE No. 7, Bratislava
SKY PARK OFFICES, Bratislava
TOWER 115, Bratislava
UNIMED CENTRE, Bratislava
Uniq Staromestská offices, Bratislava
PUBLISHER BARECZ & CONRAD MEDIA, Bratislava
WESTEND GATE, Bratislava
WESTEND PLAZZA, Bratislava
WESTEND SQUARE, Bratislava
ZENTIVA, Hlohovec
ZUCKERMANDEL, Bratislava, headquarters of ČSOB, a.s.

ZUCKERMANDEL



AB ROSUM





EUROVEA 2, Bratislava

Administrative buildings

Hotel complexes

Shopping centres and stores

Production and logistics centres

Civic amenities

Residential complexes

DOUBLE TREE BY HILTON, Košice

GRAND HOTEL RIVER PARK, Bratislava

HOTEL ARCADIA, Bratislava

HOTEL CROWNE PLAZA, Bratislava

HOTEL DOUBLETREE BY HILTON, Košice

HOTEL JÁNOŠÍK, Liptovský Mikuláš

HOTEL MIKADO****, Nitra

HOTEL PANORAMA, Trenčianske Teplice

PÁLFFY CASTLE, Svätý Jur

KEMPINSKI, High Tatras

BRUSNO SPA, Brusno

KEMPINSKI, High Tatras



HOTEL MIKADO**, Nitra**





CROWNE PLAZA, Bratislava

Administrative buildings

Hotel complexes

Shopping centres and stores

Production and logistics centres

Civic amenities

Residential complexes

ARCADIA, Trnava

AUPARK, Bratislava

BORY MALL, Bratislava

CENTRO, Nitra

CITYPARK, Bratislava

CUBICON, Bratislava

FURNITURE HOUSE SCONTO,
Bratislava, Nitra

ASKO FURNITURE HOUSES

ELECTRICAL OUTLETS NAY

EPERIA II-nd STAGE, Prešov

EPERIA, Prešov

HORNBACH, Bratislava

TESCO HYPERMARKETS

JUŽANKA - MODERNISATION CENTRE, Trenčín

KOLKOVNA RIVER PARK, Bratislava

KORZO, Prievidza

LAUGARÍCIO, Trenčín

MAX 6x

MLYNY, Nitra

NC MARKER, Palárikovo

URBAN SHOP HOUSE, Košice

Trade Centre GALÉRIA, Lučenec

Trade Centre RETAIL BOX, Zvolen

BILLA SHOPS

PROMENADA LIVING PARK, Nitra

RETAIL BOX, Pezinok

RETAIL PARK TOPOLIS, Topolčany

RETAIL PARK, Chorvátsky Grob

RETRO, Bratislava

TMT - THE MALL TRNAVA

CENTRO, Nitra



ASKO FURNITURE HOUSES



LAUGARÍCIO, Trenčín



Trade Centre GALÉRIA, Lučenec



Administrative buildings

Hotel complexes

Shopping centres and stores

Production and logistics centres

Civic amenities

Residential complexes

AMYLUM, Boleráz
 ASKOLL, Potvorice
 BEKAERT, Sládkovičovo
 BURGMEIER, Banská Bystrica
 CARNITECH MAREL, Nitra
 COCA-COLA, Lúka nad Váhom
 CONTINENTAL, Zvolen
 CONTITECH, Dolné Vestenice
 ELSTER, Stará Turá
 Freudenberg, Potvorice
 GESTAMP, Nitra
 LOGISTICAL HALL 10, Trnava - Zavar
 HANSOL, Voderady
 HONEYWELL, Partizánske
 ICU MEDICAL, Vrábľe
 IKO SCHINGEN, Senica
 INDUSTRIAL CABLING SYSTEMS, Nitra
 Jaguar Land Rover, Energocentrum and Paint Shop, Nitra
 JMT, Hlohovec
 KUK COILS, Trenčianská Teplá
 LEAF, Levice
 LEAR, Prešov
 AEROSPACE REPAIR SHOPS, Trenčín
 Logistics Centre Ptacek, Petrovany

LOGISTICAL CENTRE R7, Kostolné Kračany
 TESCO LOGISTICAL CENTRE, Beckov
 TRIBLAVINA LOGISTICAL PARK, Bernolákovo
 MAGNA, Devínska Nová Ves
 PORSCHE, Horná Streda
 PPS FLOREAC, Dolný Lopasov
 RIBE, Nitra
 SAB-MILLER TOPVAR, Topoľčany
 SAMSUNG, Voderady and Galanta
 SEWS, Topoľčany
 SIIX ELECTONICS, Nitra
 SLOMEDICAL, Vrábľe
 SMC, Teplička nad Váhom
 TECHNOGYM, Malý Krtíš
 TITRANS, Nitra
 VISTEON, Nitra
 VOLKSWAGEN SLOVAKIA, Bratislava
 WERTHEIM SAFES, Dunajská Streda

GESTAMP, Nitra



Jaguar Land Rover, Energocentrum and paint shop, Nitra



SAMSUNG, Voderady and Galanta



Administrative buildings

Hotel complexes

Shopping centres and stores

Production and logistics centres

Civic amenities

Residential complexes

AQUARELAX, Trnava
CITY ARENA and ANTON MALATINSKY STADIUM, Trnava
UNIVERSITY OF ECONOMICS, Bratislava
MOCHOVCE NUCLEAR POWER PLANT
KAŠTIEĽ PÁLFFY, Svätý Jur
MISTELBACH CLINIC, Austria
CREATIVE CENTRE, Nitra
LANDESKLINIKUM NEUNKIRCHEN, Austria
AIR TRAFFIC SERVICES, Bratislava
MEDICAN CLINIC, Trnava
MEDICAL CENTRE, Horné Krškany
CITY SWIMMING POOL, Michalovce
CITY SPORTS HALL, Nitra
NATIONAL COUNCIL OF THE SLOVAK REPUBLIC, Bratislava
AGEL HOSPITAL, Košice - Šaca
NEW GENERATION HOSPITAL BORY, Bratislava

NEW GENERATION HOSPITAL, Bratislava
HOSPITAL SV. MICHALA, Bratislava
HOSPITAL, Poprad
F. D. ROOSEVELT HOSPITAL, Banská Bystrica
PÁLFFY'S PALACE, Bratislava
AGEL POLICLINIC, Levice
RECONSTRUCTION OF THE BRATISLAVA CASTLE, Bratislava
SLOVAK ACADEMY OF SCIENCES, Bratislava
SPORTS HALL, Pasienky
STATE INSTITUTE OF CARDIOVASCULAR DISEASES,
Banská Bystrica
M. R. ŠTEFÁNIK AIRPORT TERMINAL, 1.+2. ETAPA, Bratislava
KOMENSKÉ UNIVERSITY, Bratislava
PRIMARY SCHOOL, Nová Dedinka
BOJNICE CASTLE
VLADIMIR DZURILL WINTER STADIUM, Bratislava

**RECONSTRUCTION OF THE BRATISLAVA
CASTLE, Bratislava**



M. R. ŠTEFÁNIK AIRPORT TERMINAL, 1.+2. ETAPA, Bratislava



BOJNICE CASTLE



Administrative buildings

Hotel complexes

Shopping centres and stores

Production and logistics centres

Civic amenities

Residential complexes

- ALBELLI, Košice
- BD ARBÓRIA, Trnava
- BD FOREST PARK, Bratislava
- BLUMENTAL, Bratislava
- BORY HOME, Bratislava
- RESIDENTIAL COMPLEX MALÉ KRASŇANY, Bratislava
- BYTY FUXOVA, Bratislava
- CITYPARK, Ružinov
- EUROVEA 2, Bratislava
- GREEN AVENUE, Nitra
- KLINGERKA, Bratislava
- KOLIBA GARDENS, Bratislava
- METROPOLIS, Bratislava
- NEW STEIN, Bratislava
- FRUIT GARDENS, Bratislava
- PANORAMA CITY I., Bratislava
- MAJAKOVSKÉHO PARK RESIDENCE, Bratislava
- PETRŽALKA CITY 2nd stage, Bratislava
- PROMENADA LIVING PARK, Nitra
- BUDYŠÍNSKA RESIDENCE, Bratislava
- HRON RESIDENCE, Zvolen

RESIDENTIAL COMPLEX MALÉ KRASŇANY, Bratislava



TABÁŇ, Nitra



SKYBOX, Bratislava



BD ARBÓRIA, Trnava



- MIEROVA RESIDENCE, Bratislava
- RESIDENCE AT CERMANY, Nitra
- SKY PARK RESIDENCE, Bratislava
- SKYBOX, Bratislava
- SKYPARK, Bratislava
- SLNEČNICE, SOUTH CITY, Bratislava
- TABÁŇ, Nitra
- URBAN RESIDENCE, Bratislava
- ZWIRN, Bratislava

07 **Contact details**

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VAT No.: SK7120000030

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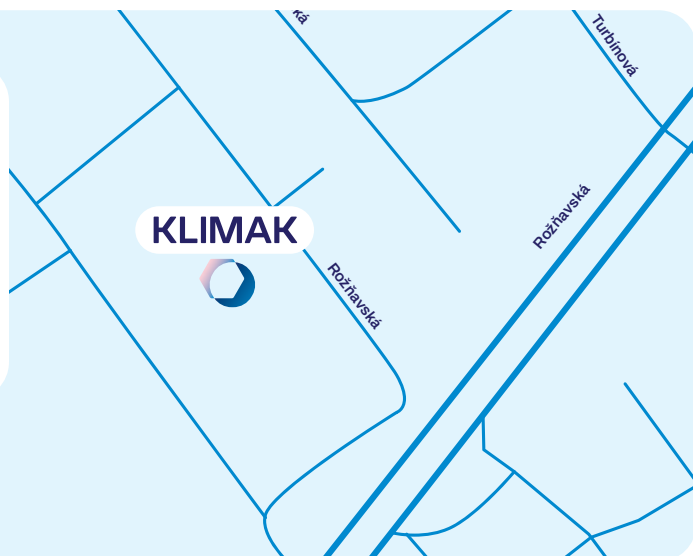
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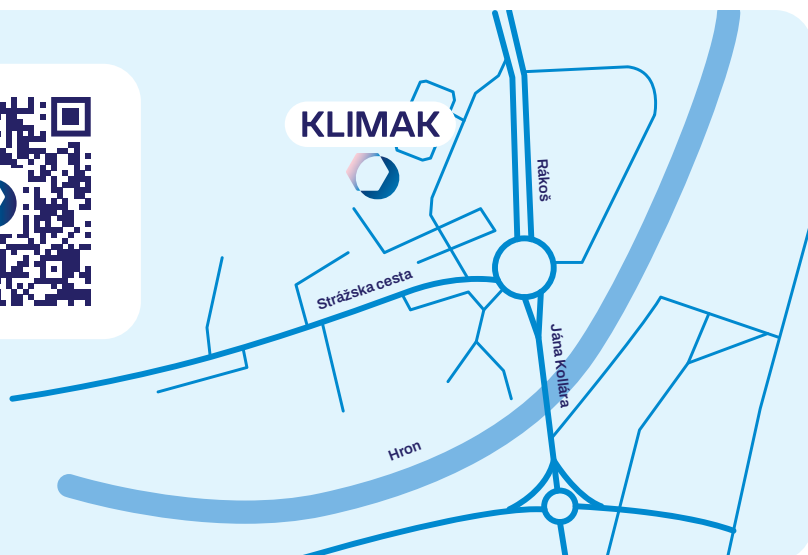
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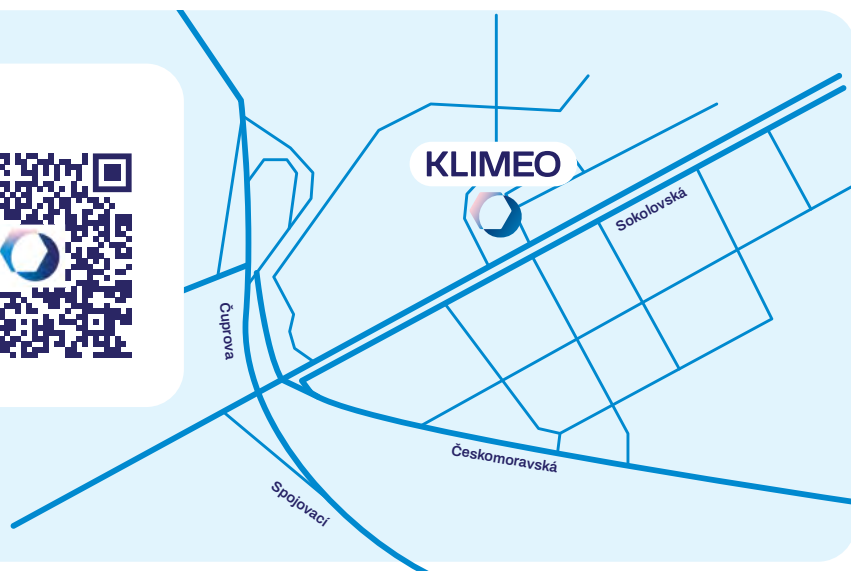
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