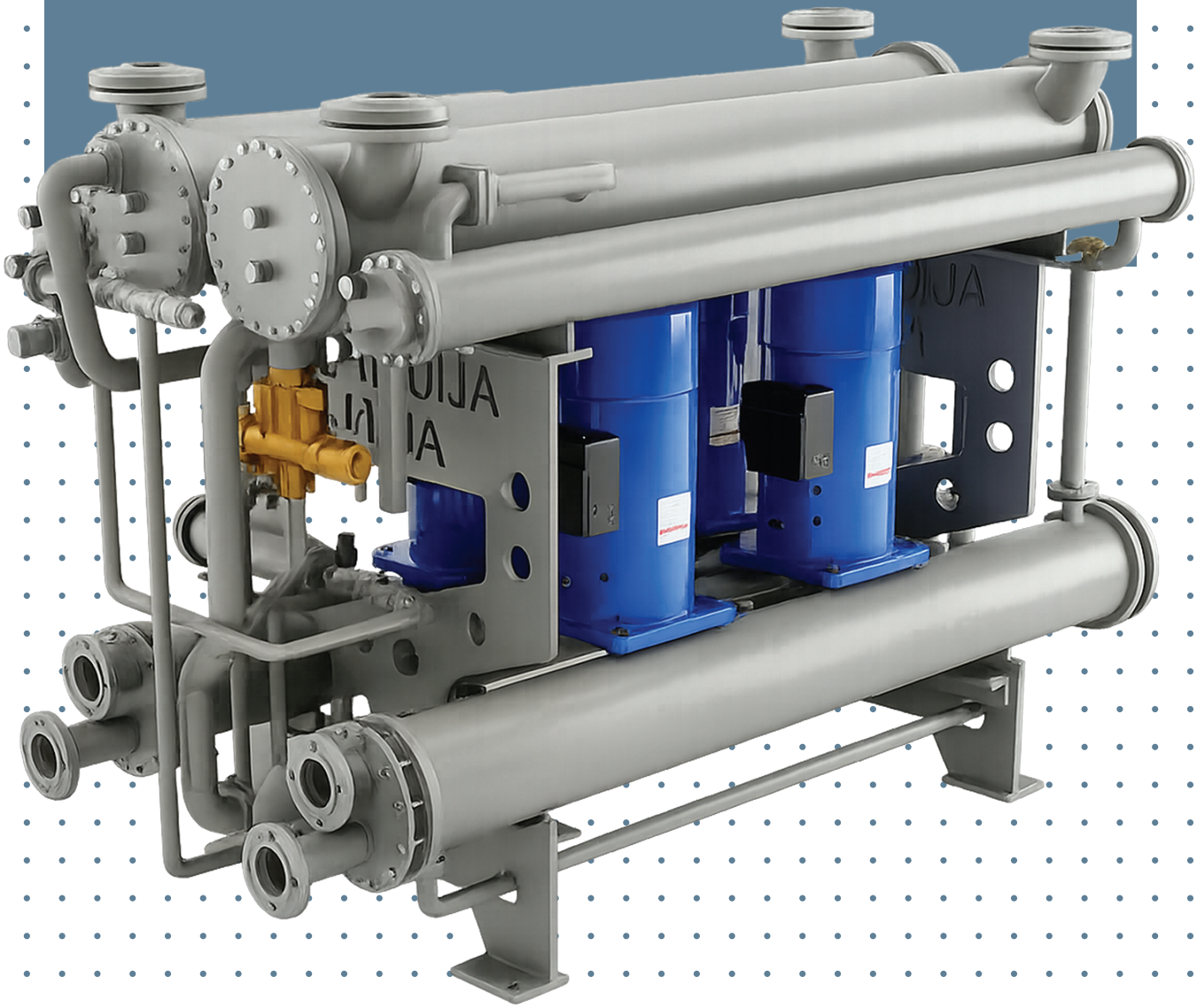
DALMACIJA KLIMA

THERMAL ENERGY SOLUTIONS WITH LOW OPERATING COSTS

DESIGN MANUFACTURING INSTALLATION SERVICE



About Us

DALMACIJA KLIMA d.o.o. was founded in 1984 as a workshop for servicing and maintenance of industrial and commercial refrigeration and air conditioning equipment. In 1989, the workshop evolved into a company with a business philosophy rooted in maintaining high quality standards and adopting new technologies and global trends.

Our strength is our flexibility and ability to adapt to specific customer requirements.
Every project has unique needs. Tailored solutions ensure optimal operation, higher efficiency, and system longevity, perfectly matching the client's requirements.

Process

Study and research



Conceptual Design



Design



Manufacturing



Installation



After-sales Support



ANALYSIS OF THERMAL PROCESSES

Our task begins with a detailed assessment of the existing conditions at your site, followed by an in-depth analysis of the entire system. We identify critical points of heat loss and gain and propose strict optimization measures, thereby transforming your facility into a highly energy-efficient system.

DESIGN AND CONSTRUCTION OF REFRIGERATION PLANTS ON A TURNKEY BASIS

We specialize in developing and implementing comprehensive refrigeration and thermal solutions designed to meet the specific requirements of your technological processes. Our approach covers every stage—from conceptual design and calculations to the manufacturing of mechanical equipment, installation, and commissioning. Regardless of process complexity, we deliver optimized systems that guarantee maximum energy efficiency, full automation, and the long-term durability of the entire plant.

Areas of application: Large-scale energy plants of all types and purposes, manufacturing facilities, the food industry, the automotive industry, the cement industry, the wood processing industry, the oil industry, etc.

1



CONDENSING AIR DRYER

This system is designed to remove moisture from compressed air without the use of a refrigeration compressor, making it exceptionally energy-efficient. It operates in two stages: the first stage involves pre-cooling of the incoming air using the cooled outgoing air, while the second stage involves cooling via a process medium water. This design causes moisture condensation, delivering dry air for industrial processes at minimal operating costs.

APPLICATION AREA

Glass bottles manufacturing, large-scale pneumatic conveying systems, and various process industries.

DRY COOLER

2

The dry cooler is a high-efficiency heat exchanger designed for process cooling using the ambient air. Closed-loop operation reduces maintenance costs. It allows for maximum adaptability to available space and specific customer requirements, while offering high energy efficiency and long-term durability in industrial environments. Adiabatic cooling can also be added.

APPLICATION AREA

Industrial cooling of machinery, tools, and processes. HVAC systems for public and residential buildings, data centers, the chemical industry, plastics processing, etc.



OPEN TYPE COLING TOWER

3



The open-type cooling tower is a unit that utilizes the adiabatic effect for coling of process water through direct contact with an airflow. It is capable of cooling water to temperatures below the ambient temperature, making it an energy-efficient solution to dissipate large amounts of heat. Its compact design delivers high cooling performance and maximum reliability under the most demanding industrial operating conditions.

APPLICATION AREAS

Industrial plants, steel mills, foundries, the cement industry, the chemical industry, plastics processing, the petrochemical industry, large air conditioning systems (HVAC), central cooling systems, etc.

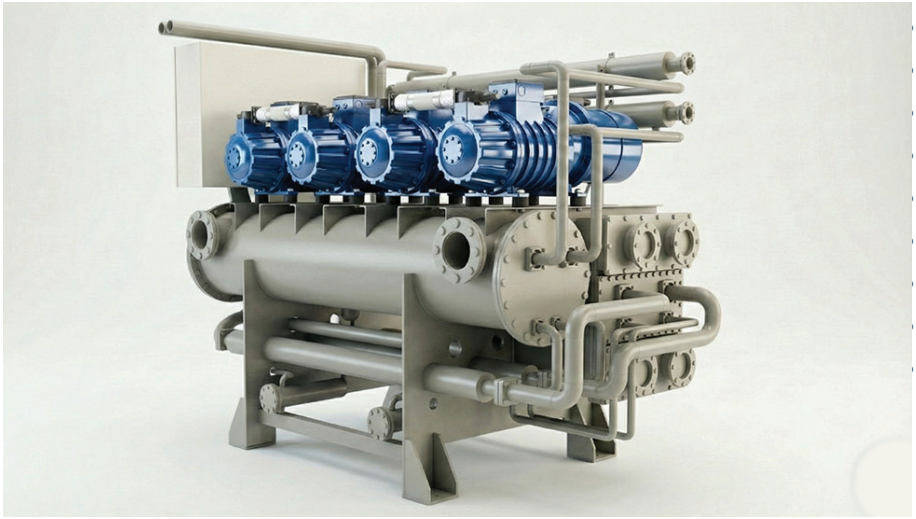
CLOSED-CIRCUIT COOLING TOWER

An closed-circuit cooling tower is a device used to cool a process medium without direct contact with ambient air. A closed-circuit cooling tower combines the advantages of a dry cooler and an open-circuit cooling tower. The process fluid circulates through a hermetically sealed heat exchanger that is sprayed with water on the outside when necessary; this achieves superior cooling performance while fully maintaining the purity of the cooling process fluid. This design eliminates the risk of contamination, scale buildup, and the ingress of impurities into process equipment, in the same time reducing the need for chemical water treatment.

APPLICATION AREA

Cooling of process equipment; food and pharmaceutical industries; chemical industry; any process industry requiring high purity of the cooling process fluid; and facilities in arias with poor water quality.





5

WATER-TO-WATER COOLING UNIT

The water-to-water heat pump is a high-efficiency heating and cooling system that uses water as the heat exchange source, thereby achieving maximum energy stability regardless of outdoor temperatures. Seawater, water wells, rivers, dry heat exchangers, etc., can serve as the heat exchange source.
This design enables high coefficients of performance (COP). This type of heat pump is an ideal solution for projects requiring quiet operation, high reliability, and the ability to recover waste heat for other processes (heat recovery) and for domestic hot water preparation.

APPLICATION AREA

Food industry, pharmaceutical industry, chemical industry, plastics processing industry, hotels, campsites, wellness centers, schools, kindergartens, hospitals, sports halls, office buildings, banks, shopping centers, logistics centers, data centers.

AIR-TO-WATER COOLING UNIT

6

The air-to-water heat pump is a system that utilizes the energy potential of outdoor air for heating, cooling, and domestic hot water preparation, ensuring maximum energy efficiency with minimal electricity consumption. Available as a mono-block system (all components in a single housing) or a split system.

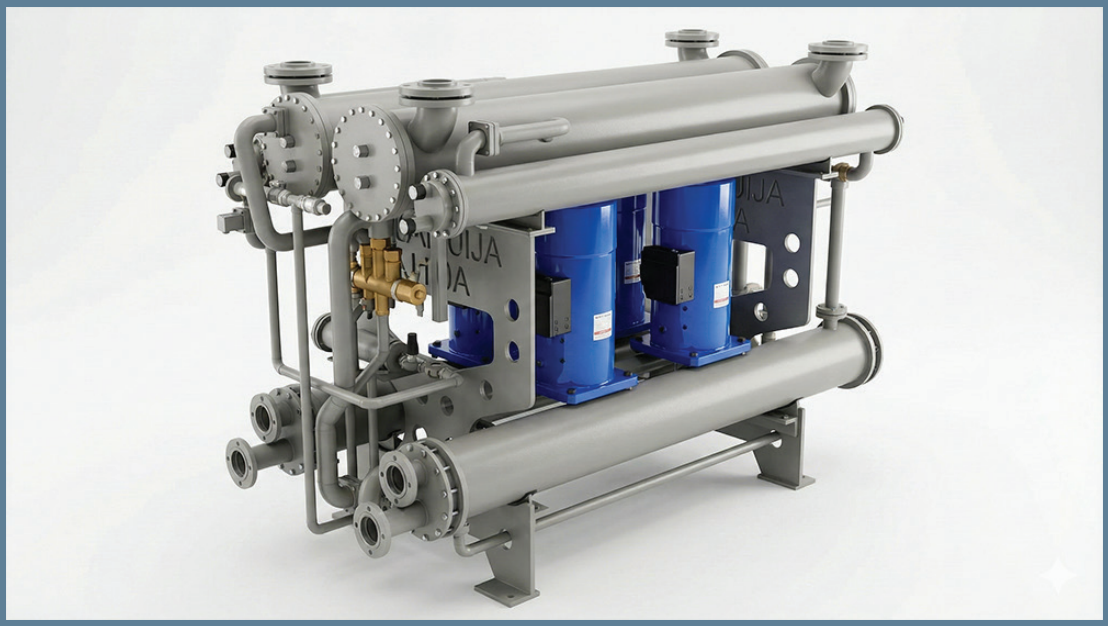






APPLICATION AREAS

Food industry, pharmaceutical industry, chemical industry, plastics processing industry, hotels, campsites, wellness centers, schools, kindergartens, hospitals, sports halls, office buildings, banks, shopping centers, logistics centers, data centers.





7

COOLING SYSTEM WITH TWO TEMPERATURE LEVELS

The cooling system with two coolant temperature levels is a complete, pre-installed modular cooling unit, installed within the production facility and ready for immediate connection to cooling system, with the option of installing a waste heat recovery module.
External components—such as heat exchangers, dry coolers, cooling towers, etc.—can be installed as needed, based on specific technical and customer requirements.

APPLICATION AREAS

Temporary or permanent industrial plants, plastics processing, data centers and all other industrial plants that needs process cooling and waste heat recovery.

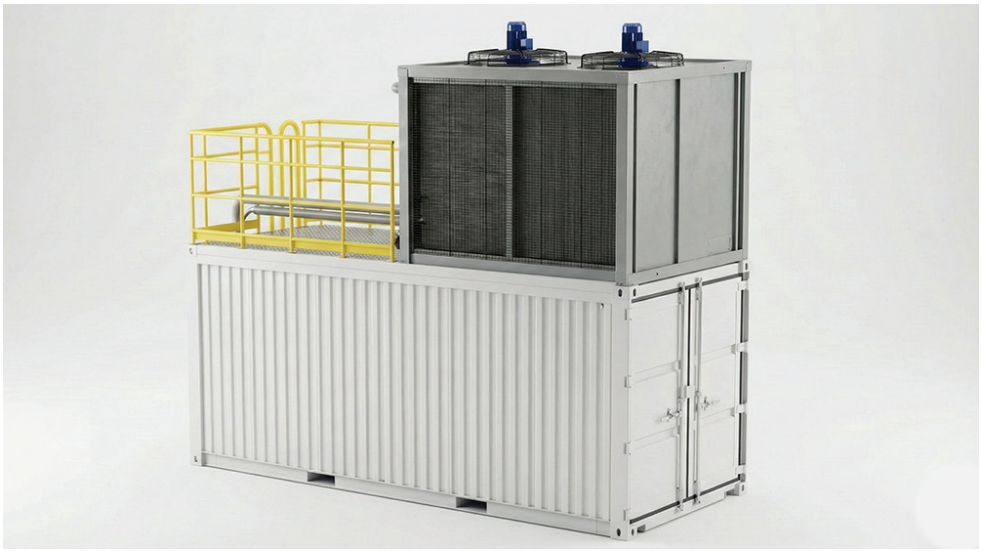
MODULAR CONTAINER PLANT

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Modular container plant is a complete, pre-installed refrigeration plant, located inside a standardized container, ready for immediate connection to the system. All key elements are integrated inside the compact and insulated unit - compressors, water tanks, circulation pumps, control cabinets, heat exchangers, etc. Outside components, as needed: plate exchangers, dry exchangers, water tower - all according to the specific requirements of the technology and the customer.

FIELD OF APPLICATION

Temporary or permanent industrial plants, plastics processing, data centers and all other industrial plants that require process cooling.







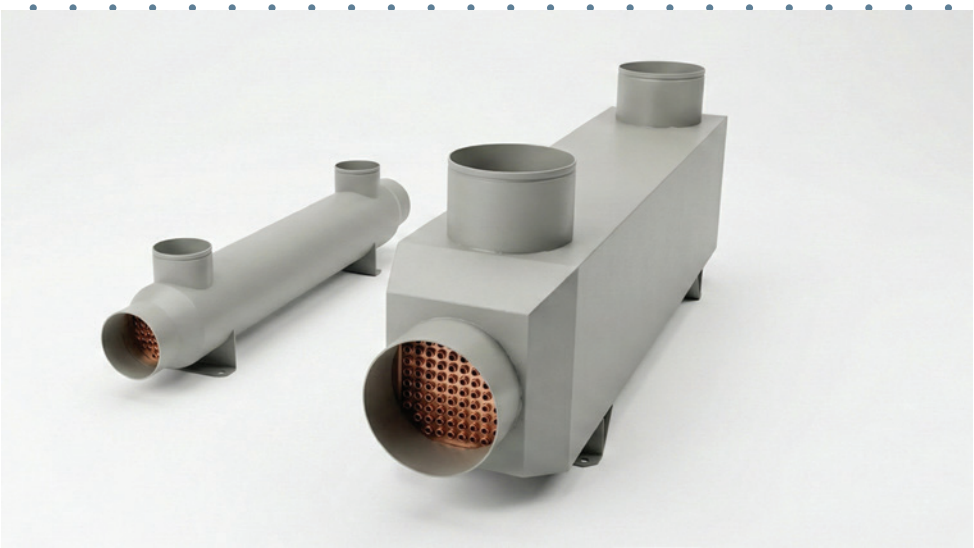
HEAT EXCHANGERS

Shell & tube heat exchanger is a solution for transferring thermal energy between two media. The construction consists of a bundle of tubes placed inside a solid outer shell, which provides exceptional mechanical resistance and high efficiency even in the most difficult industrial conditions. Due to its durability and the possibility of easy disassembly and cleaning, this type of exchanger guarantees long-term operation with media of different viscosities and degrees of contamination. We can manufacture exchangers from different materials and for different purposes, adapted to the requirements of technology and specific customer requirements.

FIELD OF APPLICATION

Petroleum and chemical industry, air conditioning, food industry and processes involving aggressive media.

10



HEAT / COLD RECOVERY

Heat/cold recuperator in shell & tube version is specialized industrial heat exchanger designed for recovery of energy from hot exhaust gases, waste air or contaminated-dirty air. Due to robust construction where the air flows through a bundle of pipes inside the shell, the system ensures operation at high temperatures. This design ensures maximum mechanical resistance, easy maintenance and stability of process, converting waste heat into useful energy.

AREA OF APPLICATION

Heat recovery from industrial furnaces, foundries, incinerators, cement industry, wood industry, paper industry, shopping centers...



WATER FILTRATION SYSTEM

This system offers an efficient solution for purifying of the air contaminated with dust, grinding particles, or smoke. The process consists of drawing of polluted air from one or more work units into a central chamber and passing it through a water curtain; the water captures even the finest impurity particles, turning them into sludge, while the purified air exits the system. This approach guarantees maximum safety when working with highly flammable materials and ensures a clean working environment.

APPLICATION AREAS

Metal processing industry (grinding, polishing, cutting), wood and plastic processing, chemical industry, foundries, etc.

WATER-TO-WATER HEAT PUMP FOR RESIDENTIAL BUILDINGS

12

These are compact water-to-water heat pumps, specifically designed for integration within residential spaces (utility rooms, storage areas, or bathrooms). They simultaneously provide space heating and cooling via fan coil units and underfloor heating, as well as domestic hot water preparation. The system utilizes a shared primary circuit connected to a dry cooler or geothermal probe, eliminating the need for outdoor units on facades or balconies. Its minimal footprint allows the easy installation in small spaces without compromising interior aesthetics. Each residential unit operates as an independent system with its own consumption metering and personalized operating modes.

APPLICATION AREA

Multi-unit residential buildings, private houses, etc.



SELECTED REFERENCES

HEP

vetropack

WÄRTSILÄ

AD Plastik

Coca-Cola

EURO PAS

CEMEX

Lipovica

KONČAR
GENERATORI I MOTORI

bluesun
Hotels&Resorts

SAFIR
HOTELI

faurecia



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