



CASE STUDY

HELIO THERM
The Heat Pump



**MOUNT MED
RESORT**

KLINGLER

CASE STUDY DELIVERED BY

RENEWABLE

 STORE

OVERVIEW



MOUNT MED
RESORT

The Mount Med Resort, located in the heart of Wildschönau, Tirol, Austria, sought an energy-efficient, sustainable solution to meet the heating demands of its expansive property. Faced with rising energy prices, increasing environmental regulations, and the need to transition away from fossil fuels, the resort turned to Heliotherm for a cutting-edge, eco-friendly heating system.

This case study highlights the installation of six Heliotherm Solid Air-Compact Large heat pumps at the resort, a decision that has proven to be both economically and environmentally sound. These split air-source units were installed to provide high-efficiency heating for the hotel's large spaces, including guest rooms, lounges, and other facilities. By opting for Heliotherm's innovative solution, Mount Med Resort has positioned itself as a trendsetter in the hospitality industry, embracing responsible energy use while offering superior comfort to its guests.



The Heliotherm Solid Air-Compact Large heat pumps offer a range of advantages, such as outdoor installation, reduced operating costs, quiet acoustic design, and exceptional heat output. With these units in place, the resort now benefits from a reliable and predictable heating system, one that contributes to the protection of the climate and showcases the resort's commitment to sustainability. The installation has also enhanced the resort's reputation as an environmentally conscious destination, providing guests with high-end comfort while minimizing its carbon footprint.





COMPREHENSIVE
SOLUTIONS

HELIOTHERM
The Heat Pump



LOCATION, CLIMATE

THE WILDSCHÖNAU REGION, LOCATED IN THE AUSTRIAN ALPS, EXPERIENCES COLD AND OFTEN HARSH WINTERS, TYPICAL OF HIGH-ALTITUDE ALPINE CLIMATES. FROM NOVEMBER TO MARCH, TEMPERATURES CAN FREQUENTLY DROP BELOW FREEZING, ESPECIALLY AT NIGHT. THE AVERAGE WINTER TEMPERATURE HOVERS AROUND -5°C (23°F), BUT IT CAN PLUNGE TO -15°C (5°F) OR LOWER IN EXTREME CONDITIONS. HEAVY SNOWFALL IS COMMON, MAKING THE AREA A HAVEN FOR SKIING AND OTHER WINTER SPORTS, BUT ALSO INCREASING THE NEED FOR EFFECTIVE HEATING SOLUTIONS TO MAINTAIN COMFORTABLE INDOOR ENVIRONMENTS. THE COMBINATION OF SNOW, WIND, AND FRIGID AIR CAN MAKE THE WEATHER FEEL EVEN COLDER, ESPECIALLY DURING STORMS, ADDING TO THE TREACHEROUS NATURE OF THE REGION.

IN SUCH CONDITIONS, USING A HIGH-EFFICIENCY HEAT PUMP, LIKE THOSE MANUFACTURED BY HELIOTHERM, BECOMES ESSENTIAL FOR BOTH RESIDENTIAL AND COMMERCIAL PROPERTIES. HEAT PUMPS OPERATE BY EXTRACTING THERMAL ENERGY FROM THE ENVIRONMENT, AND ADVANCED SYSTEMS LIKE HELIOTHERM'S ARE DESIGNED TO FUNCTION EVEN IN EXTREME COLD, WHERE CONVENTIONAL HEATING SYSTEMS MAY STRUGGLE. THEIR AIR-TO-WATER AND GROUND-SOURCE HEAT PUMPS ARE PARTICULARLY EFFECTIVE IN MAINTAINING INDOOR WARMTH, AS THEY ARE ENGINEERED TO PROVIDE RELIABLE HEAT, EVEN WHEN OUTDOOR TEMPERATURES ARE WELL BELOW FREEZING.

ENERGY EFFICIENCY IS ALSO A KEY FACTOR. HEATING SYSTEMS HAVE TO WORK HARDER IN SUCH EXTREME CLIMATES, WHICH CAN LEAD TO HIGHER ENERGY CONSUMPTION. HELIOTHERM'S HEAT PUMPS, KNOWN FOR THEIR ECO-FRIENDLY DESIGN AND HIGH EFFICIENCY, REDUCE ENERGY USAGE AND OPERATING COSTS WHILE ENSURING A CONSISTENT AND COMFORTABLE INDOOR TEMPERATURE. FOR PLACES LIKE WILDSCHÖNAU, WHERE WINTER HEATING IS NON-NEGOTIABLE, THE IMPORTANCE OF INVESTING IN TOP-TIER SYSTEMS LIKE HELIOTHERM'S CANNOT BE OVERSTATED. THEY NOT ONLY KEEP BUILDINGS WARM BUT ALSO REDUCE THE ENVIRONMENTAL IMPACT OF HEATING IN A REGION WHERE SUSTAINABILITY IS INCREASINGLY IMPORTANT.



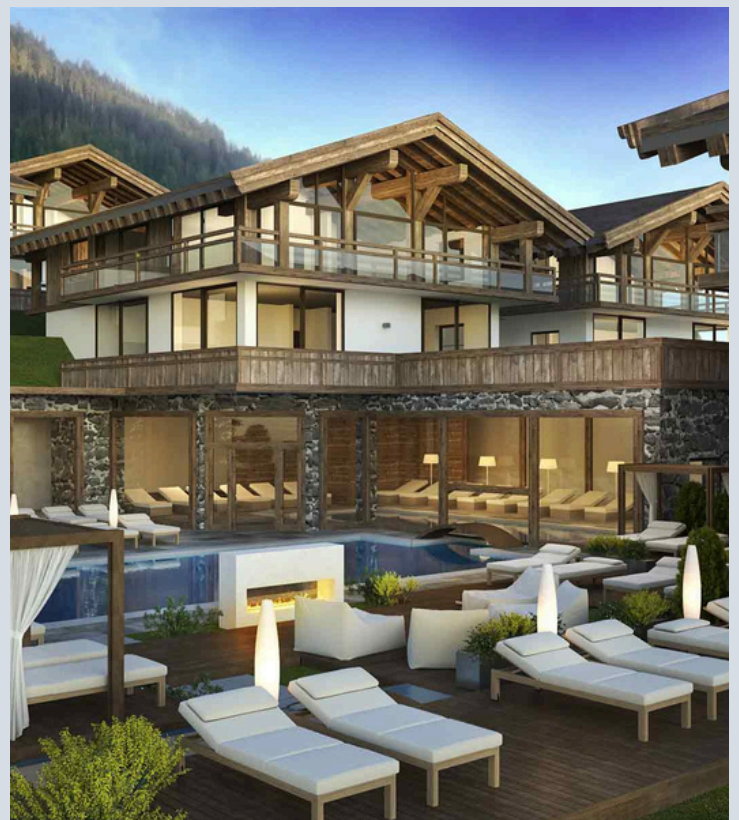
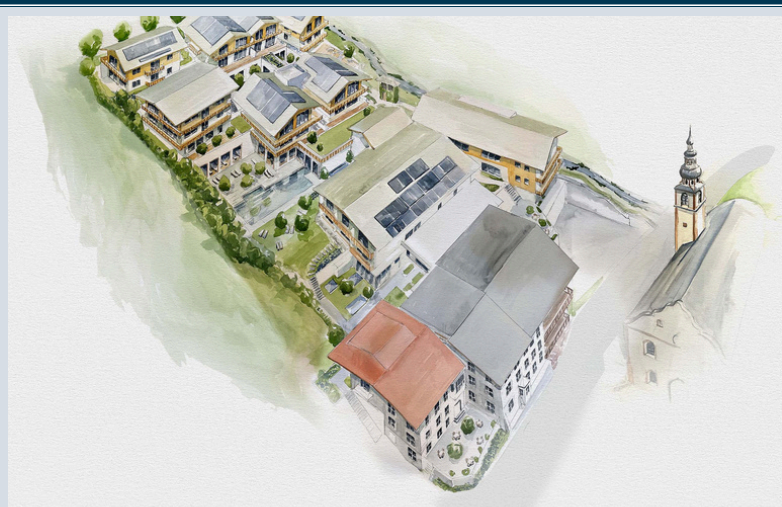


MOUNT MED RESORT

THE RESORT

Mount Med Resort in Tirol

A spectacular hotel project in the Kitzbühel Alps is causing a sensation! A flagship meeting place of history, zeitgeist, health and joie de vivre, the Mount Med Resort in Tirol's Wildschönau's terraces is gently embedded in its natural mountain surroundings. At the heart of this high-end health resort lies a unique health fusion concept.



BOILER ROOM

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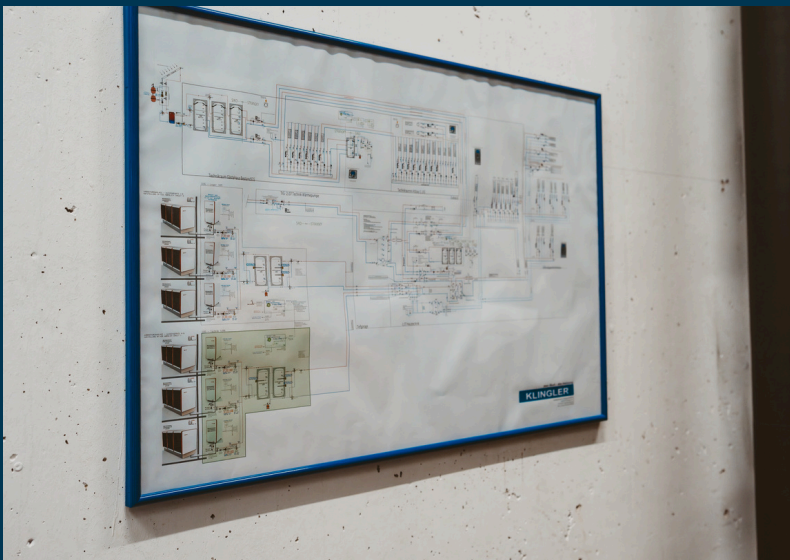
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