

CASE HISTORY

Tennis Club Morbegno

Champion-Level Thermal Comfort and Energy Efficiency

Tensile structures and repurposed industrial warehouses, often used as sports facilities, present a unique challenge in climate control. The lack of thermal insulation and harsh winter temperatures demand innovative solutions to ensure a comfortable environment while optimizing energy consumption.

It is in this type of structure that Impresind provides a range of solutions designed to deliver optimal climate comfort in every season.





- 600 m² surface area;
- Maximum height of 12 meters;
- 2 indoor padel courts for all-weather play.

The Amateur Sports Association Tennis Club Morbegno, located in Morbegno (SO), features a single-layer tensile structure housing 2 padel courts, as well as tennis and soccer fields, both indoor and outdoor.

TCM

Tennis Club Morbegno



THE CLIMATE CHALLENGE OF TENNIS CLUB MORBEGNO: BITTER COLD, THERMAL DISPERSION, POOR INSULATION, AND HIGH ENERGY COSTS

The single-layer tensile structure of the Tennis Club, while ideal for hosting padel courts and other sports facilities, suffers from poor thermal insulation.

This makes it challenging to maintain a consistent temperature, especially during the harsh winter months typical of mountainous regions. This created the need for a heating system capable of rapidly warming the space and operating only when in use, to **minimize energy costs and optimize resource efficiency**.

- A suitable solution for a poorly insulated tensile structure with ceilings exceeding 12 meters, offering rapid and remote management capabilities.
- Quickly achieve the ideal temperature on the padel courts.
- Reduce energy consumption and operating costs.



Before



After

THE SOLUTION: TUB ONE, MODULAR HEATING TAILORED TO YOUR NEEDS

To address these challenges, Tennis Club Morbegno chose TUB-ONE, the radiant heating system that efficiently and sustainably achieves the desired temperature on the two padel courts in a short time, offering complete flexibility.

- **1 RCF 80/100 unit**, with the burner positioned outside the tensile structure to maximize interior space and ensure safety.
- **Installed at a height of 8 meters**, perfect for avoiding interference with gameplay while ensuring uniform heating without drafts.
- **Modulating technology**, allowing precise power adjustment based on specific heating needs.
- **Remote control capability**, enabling staff to quickly and intuitively turn the system on and off as required.



THE RESULTS: COMFORT AND EFFICIENCY FOR ATHLETES AND FACILITY MANAGERS

After the installation of Tub-One, Tennis Club Morbegno experienced numerous benefits:

- **Rapid Heating:** Within minutes of activation, the padel courts reach the ideal temperature for playing.
- **Energy Cost Reduction:** The system operates only when needed, leading to significant savings in energy consumption.
- **Temperature Uniformity:** Athletes enjoy a comfortable environment without drafts or cold spots.
- **User Satisfaction:** Enhanced comfort has positively impacted players' experiences, boosting their loyalty and engagement.

WHY CHOOSE IMPRESIND'S TUB-ONE?

The **Tub-One system** is a **highly efficient and customizable technology**, ideal for sports centers and facilities with complex volumes, where achieving thermal comfort quickly, cost-effectively, and efficiently is essential.

- **Improved Energy Efficiency and Reduced Consumption:** Optimizes energy use to lower costs.
- **No Heat Stratification at the Ceiling:** Delivers heat only where it's needed.
- **Environmentally Friendly:** Operates with a low environmental impact.
- **Flexible, Modular, and Reusable:** Designed to adapt to the needs of any challenging space.





Want to Optimize Energy Costs and Always Enjoy the Perfect Temperature?

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climate comfort and guaranteed energy savings.
All year round!**

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