

COOL-FIT

Cost-effectively preserving produce with pre-insulated plastic piping

Customer reference: Hungerbühler Fruit Farming,
Neukirch, Switzerland

COOL-FIT delivers energy savings of around 1000 Euros per year compared with post-insulated metal piping.

Smart piping for environmental and economic sustainability

Controlled atmosphere storage naturally extends the shelf-life of agricultural produce. Based in Neukirch, Switzerland, Hungerbühler Fruit Farming was looking to minimize maintenance requirements on their new produce storage facility's cooling system. They found their match with GF Piping Systems and, in the process, became part of an important milestone.

Project background

Long-term preservation of produce is essential to meeting year-round customer demand for local, high-quality fruits and vegetables. Hungerbühler Fruit Farming teamed up with Isolcell, a world-leader in advanced controlled atmosphere technologies to preserve food quality, to increase their produce storage capacity by 150 tons. Hungerbühler's high standards required a solution that not only met demanding expectations in terms of performance but also aligned with their commitment to environmental and economic sustainability.

Selected technical solution

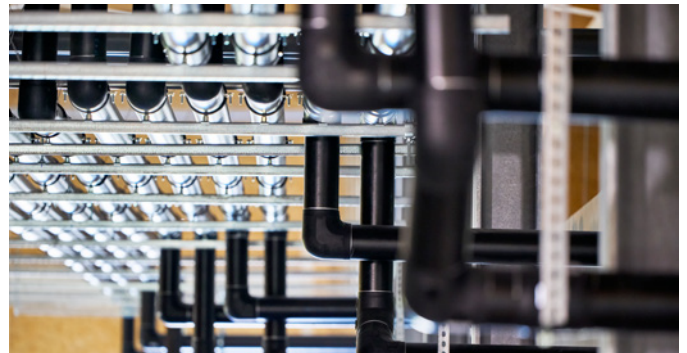
Confident that COOL-FIT zero heat dissipation and maintenance piping solution would meet the customer's requirements, Francesco Fiorese, Area Sales Manager, GF Piping Systems set out to convince the team at Isolcell of its benefits. "What I enjoyed most about this project was convincing all stakeholders of the benefits that COOL-FIT offers in terms of installation and energy savings," he said. When all was said and done, 600 meters of pre-insulated plastic piping and 100 fittings were installed, delivering cold water to 15 individual temperature-controlled storage cells as the secondary cooling loop of a 300-KW industrial cooling solution.

Achieved improvement

For Isolcell, the partnership with GF Piping System's paid off early in the process. "The collaboration with GF was crucial for us," says Marco Gobetti, Project Manager at Isolcell. "They assisted us from early stage of plant design phase to the training of the installers who would install it." The main dividends for the end customer will, however, accrue throughout the solution's lifetime: With the elimination of heat dissipation and corrosion, the power-efficient COOL-FIT piping system delivers annual energy savings of 1000 Euros compared to post-insulated metal piping along with virtually zero maintenance.



The temperature-controlled storage facility naturally extends the availability of high-quality produce.



The 600 meters of piping in Hungerbühler Fruit Farming's cooling facility include a major milestone: the millionth meter of COOL-FIT piping.

Customer benefits

- **Environmentally and economically sustainable industrial cooling solution for the preservation and storage of agricultural produce**
- **Close partnership with GF Piping Systems, from plant design to training the installers**
- **Zero heat loss and corrosion resulting in low operational expenses compared with conventional post-insulated metal piping**

Where next?



Visit our webpage to get in touch with your local specialist:
www.gfps.com/our-locations

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