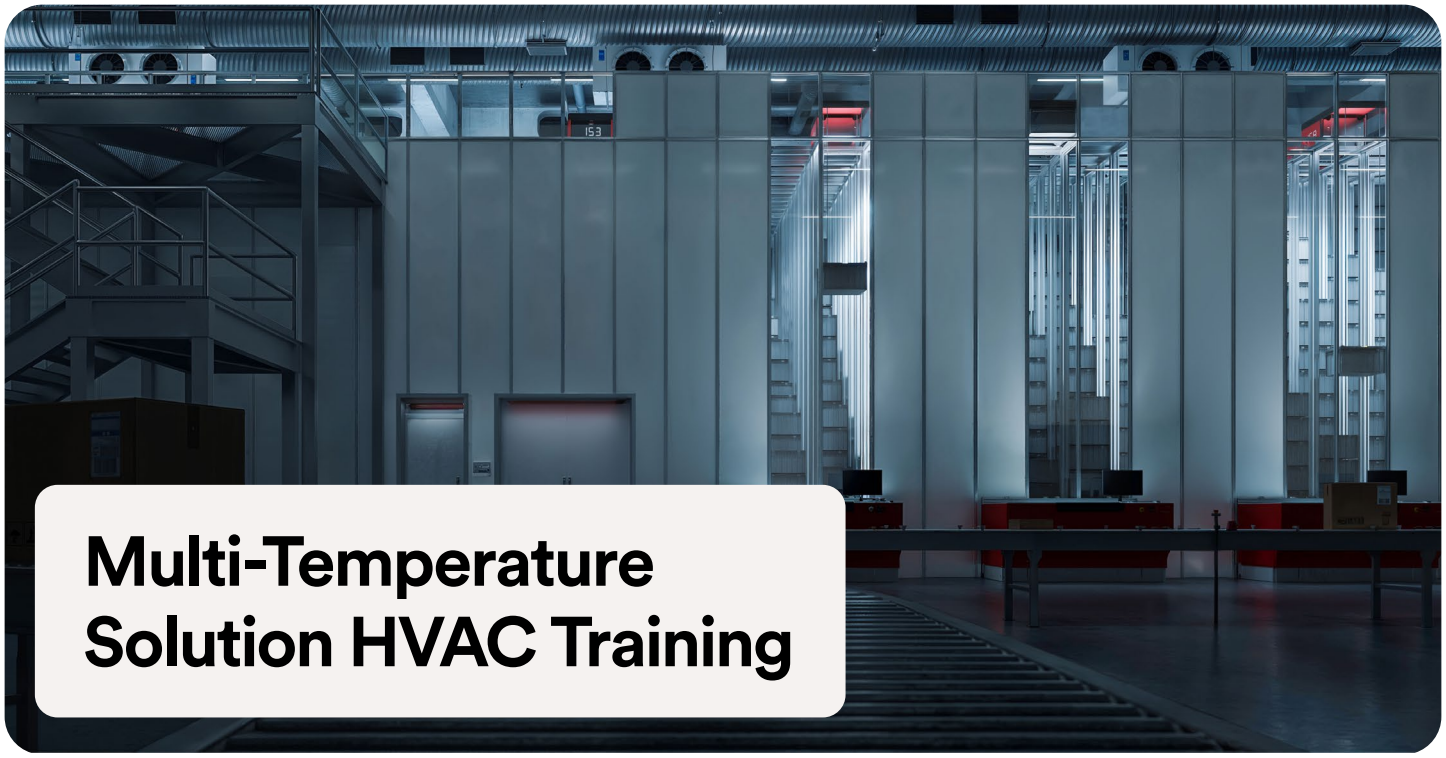


Multi-Temperature Solution HVAC Training

Why this training?

In our evolving industry, integrating the AutoStore system with a Multi Temperature Solution (MTS) is a significant step forward. Comprehensive training for our partners and subcontractors is vital to ensure smooth operation. This training equips them with the expertise to understand and implement the MTS effectively, considering its unique design.

Our program

Who is this for?
AutoStore partners and their preferred HVAC installers who will integrate and install the MTS.

What do you get?
- In-depth knowledge and experience.
- Certification and access to AutoStore documentation.

How to sign up?
Contact your AutoStore partner sales manager.

Frozen Module:
You will gain the necessary knowledge of how our frozen module is designed, operated and maintained. In addition, you will learn about the HVAC equipment, the air distribution network and the special AutoStore components.

About the MTS:
You will gain the necessary knowledge of how the MTS is designed, operated and maintained. In addition, you will learn about the HVAC equipment, the air distribution network and the special AutoStore components.

Solution Spotlight:
We will provide our knowledge and experience on how to adapt an AutoStore system to account for the MTS. Additionally, you will be able to see a live and running MTS.

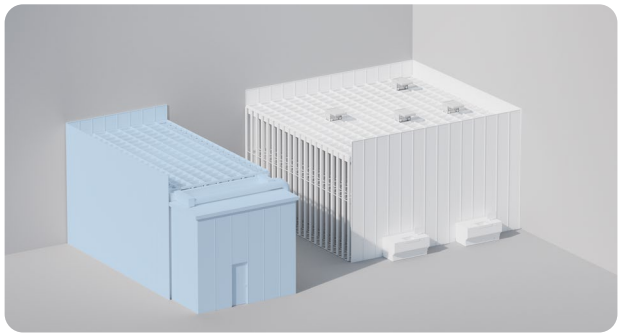
Contact us:

Innovation Hub
Husøyvegen 264, 4262 Avaldsnes

Email us: academy@autostoresystem.com

Core benefits

- **Better working environment** for human operators, as goods picking is done at chilled temperature (1°C to 6°C)
- **Reduces energy consumption** by up to 40% (compared to the same amount of inventory in separate frozen and chilled warehouses)
- **Easy Brownfield Installation:** Can utilize existing warehouses made for chilled or frozen storage
- **Low System Complexity:** The Grid track and Robots operate at chilled temperature and do not require modifications to the system equipment to support the Frozen Module



Standard* Frozen Module Requirements

- Freezing Chamber: An attached, separately dedicated mechanical room containing HVAC equipment
- Only available with the 16-level Bin Grid (330 Bins)
- Occupied footprint of 12.1 m X 5.6 m (65 m2)
- Installation within a 1°C (35.6°F) to 6°C (42.8°F) chilled temperature environment
- Chilled environment surrounding the frozen area cannot exceed 50% relative humidity (- 6.5°C or 20.3°F dew point)
- Minimum 2300 chilled Bins per Frozen Module to prevent overcooling the Robots (assumed 80/20 bin distribution).
- Chilled storage room air coolers hung from the ceiling should not be placed directly above the frozen Grid.

Standard* Frozen Module Capabilities

- Fixed Grid Footprint: 19 (X-narrow edge) by 8 (Y-wide edgecells)
- Max available Storage Cells: 19 X 6 (equivalent to 13 Bin stacks of 330 mm height Bin)
- 50% holes required.
- Maximum 1425, 330 mm Bins (50% holes included). Storage Temperature: -25°C to -18°C
- Several identical standard Frozen Modules can be installed if more storage capacity is needed

*Standard: Fixed geometric (footprint and height) offering at the point of launch