

Slurry ice used as secondary refrigerant for a meat processing plant

Client: Jura-Fleisch Neumarkt, Germany

Project Description:

Two ORE-50 MaximICE units are used at a German meat plant to pump slurry directly to the loads which include 34 evaporators in cold rooms, cold stores, display cabinets, air conditioners for offices, airhandling units for production rooms, condensers of freezers, and flake ice machines.

Project Scope:

- ▲ 109 TR (385 kW) peak load
- ▲ 3,800 sq. meters processing area
- ▲ 380 TR-HR of ice storage (agitated)
- ▲ 2 x 34 TR (2 x 120 kW) installed refrigeration capacity
- ▲ Refrigerant: ammonia

Project Financial Summary:

- ▲ 12% premium cost compared to a brine installation
- ▲ Return on investment: 2.2 years



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