REFRIGERATION DESIGN AND CONTRACTING
THE UNDISPUTED LEADER IN REFRIGERATION

With a team of more than 120 refrigeration engineers, designers and contracting field specialists, our team works closely with other Stellar disciplines to deliver innovative and energy-efficient systems that exceed client expectations. Our unparalleled refrigeration contracting experience includes:

- More than 1,000 Refrigeration Systems Installed Over Nearly Three Decades
- Extensive Knowledge of Ammonia, CO2 and Freon
- Engineered and Built the World’s Largest CO2 and Ammonia Cascade System
- Designs that Balance Initial Cost and ROI from Energy Savings
- Expertise in Condensation Control and Air Balance for Food Safety

Working in conjunction with a client’s team, Stellar designed and installed the world’s largest cascade ammonia system for a 365,000-square-foot food processing facility.

SELF-PERFORMED SERVICES:

**DESIGN**
- Condensation and Air Balance Studies
- Energy Audit and Analyses
- Preliminary or Full Design Packages
- Refrigeration Engineering

**CONTRACTING**
- Ammonia Refrigeration Systems
- Automation
- Cascade CO2 and Ammonia Systems
- Fabrication & Installation
- Modular Systems
- Prefabrication
- System Renovations
ADVANCED AUTOMATION AND CONTROLS FOR PEAK PERFORMANCE

STELLAR CONTROL SYSTEMS ARE CUSTOMIZED TO EACH CLIENT’S SPECIFIC NEEDS AND PROVIDE:

- Automatic System Redundancy
- Energy and Water Reduction Solutions
- Gas Detection and Alarming Interlock System for Compliance With All Code Requirements and Regulations
- Preventive and Predictive Solutions
- SCADA to Inform Operating Decisions
- Status Reports, Trends Analysis, Alarm Logs, Energy Management Data

SMALL DETAILS ADD UP TO BIG ENERGY SAVINGS

OUR EXPERTS PERFORM THOROUGH ENERGY ANALYSES TO DELIVER THE MOST EFFICIENT SOLUTIONS FOR OUR CUSTOMERS THROUGH:

- Air Handling Considerations
- Automation and Controls
- Compressor Sizing and Sequencing
- System Flexibility
- Types of Refrigeration Systems
- Variable Frequency Drives (VFDs)

For more information on Stellar’s comprehensive refrigeration capabilities, contact Todd Allsup, Vice President, Sales, at 904.899.9339 or tallsup@stellar.net.