

DESIGN. BUILD. SUCCESS.



INNOVATIVE
REFRIGERATION SYSTEMS, INC.



Designing safe, energy efficient, reliable & cost effective ammonia refrigeration systems, cascade refrigeration systems, blast freezer applications & specialty roof top units.

DESIGN

Ammonia Refrigeration
Ammonia/CO₂
Built Up and Modular Systems
Industrial Freon Systems
Rooftop Units
Controls Engineering
Electrical Engineering
Power Distribution
Panel Control
Energy Saving Solutions
Banana Rooms
Process Safety Management
Chemical Sensing and
Ammonia Entrapment
Water Treatment Solutions

BUILD

Rigging
Welding
Refrigeration Piping
Insulation
Power Wiring
Control Wiring
Commissioning

SUCCESS

Maintenance
24 Hour Technical Support
Labor Only
Inspection Only



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(540)941-1999

ENGINEERING SERVICES

- 5 Year Mechanical Integrity Inspection
- Ultrasonic Non-Destructive Testing
- 3 Year PSM/RMP Compliance Audit
- 5 Year Process Hazard Analysis
- 5 Year EPA RMP Submission
- Hazard Assessment
- IIAR-9 Gap Analysis
- Refrigeration Systems SOP's
- Lockout/Tagout (LOTO) Procedures
- Remote/On-Site SOP Training
- Process/Block Flow Diagram
- Material & Energy Balance
- Ammonia Charge Calculation
- Relief System Calculation
- U-1 Data Form Acquisition
- Valve Tag Index
- Leak Loss Calculation
- Ventilation System Calculation
- Verification, Modification, & Creation of P&ID's
- PSM Program Creation