-ISECO-

SPECIALIST refrigeration consultancy

design verification

energy efficiency

risk assessment

refrigeration system design

News & Reports

Overview	Experience	Plant Services
Plant Safety	Environmental	Awards
Projects		

1 10,000

Commercial Refrigeration Development Safety Audit Check List Ammonia Piping Stress Analysis





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Overview

ISECO Consulting Services is recognised as Australia's leading specialist consultancy in industrial refrigeration.

The success of the consultancy business has been underpinned by solid engineering base with a practical approach to problem solving and the application of the highest professional standards to obtain the best results for its clients.

Capabilities

Established in 1990, ISECO s founder Ray Clarke has 40 years experience in the refrigeration industry. Ray has held a number of senior posts with large refrigeration companies both in Australia and overseas in North America and Europe. Ray is past national president of AIRAH.

His team of professional engineers has the combined experience to undertake and manage anything from the simplest of tasks to complex plant design and evaluation.

Our Approach

We offer a total project approach working closely with end users. We can provide support for multi-disciplinary project teams of Architects, Structural Engineers and others. We also offer design and drafting services for contractors and manufacturers.





Experience

Over the last 16 years the company has been engaged in over 500 projects across a broad spectrum of industries, mainly in food production and storage.

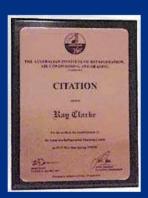
Meat & abattoirs
Poultry processing
Cheese & dairy
Fish processing
Fruit & vegetables
Distribution centres
Commercial and
supermarkets

Cold storage
Beverages
Process cooling
Chemical
Mining
Road and rail link
cross docks

Our Project Services

Production Evaluation & Analysis
Refrigeration Plant Development
Detailed System Design
Preparation of Tender Documents
Tender & Quotation Analysis
Project Budgets
Project Management
Claims Verification & Approval
Project Documentation
Cool Room Panel & Doors
Industrial air conditioning design
Ventilation and wash down systems
Chilled water and glycol reticulation
Design verification and sign off
QA Documentation





Awards

"The technical effort and perpetual assistance/directions given by ISECO has ...turned around this to an excellent results with a satisfied client"

WALTER Construction Group Limited

"On behalf of our mutual client I am very pleased to be able to commend you on your performance during the planning, delivery and commissioning of the Stapylton Qld Refrigerated Warehouse Project"

APP Project Management



Winner of the 2003 Excellence in Refrigeration Award

ISECO Consulting Services offers independent consulting and project management to refrigeration users in the food, production and processing industries.

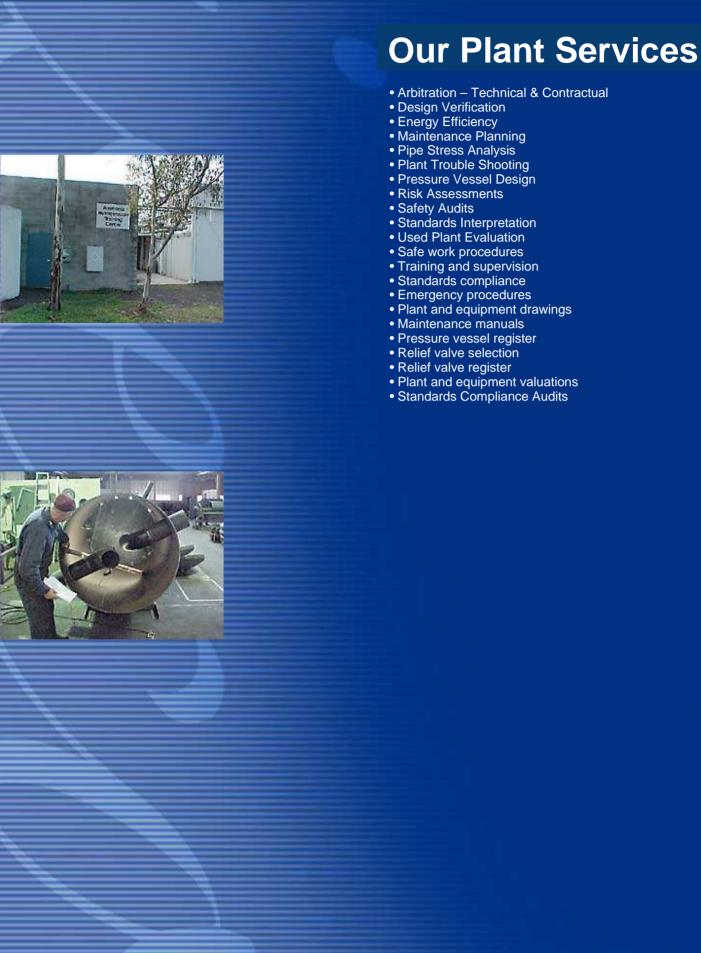
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Risk engineering plant safety

Plant safety and compliance

- Code compliance
- Detectors
- Respirators and chemical suits
- Pressure vessels
- Relief valves

Training and authorities

- Ammonia emergency trainingCo-ordination with authorities
- Environmental monitoring spills
- Safety data sheets
- Injury response

Risk management structure typical profile

- Emergency procedures manual Fire Ammonia leak Hazardous chemicals etc
- Control organisation response team structure and responsibility
- Check list Emergency numbers Services and personnel
- Response resources Sprinklers, and hose reals Detection and alam systems
- Evacuation **Procedures** Responsibilities Escape routes Alarm response





Environmental Engineering

Energy

Plant design for minimum energy usage Commissioning monitoring to attain design conditions

Plant duty optimisation for design conditions for minium energy

Refrigerant Selection
 Selected to consider environmental interests
 Occupancy considerations
 Energy usage
 Containment
 Detection

Water
 Usage
 Disposal
 Treatment
 Carry Over

 Oil and Chemicals Selection Disposal Spillage Treatment Clean up

 Secondary Coolants Selection
 Pump Energy
 Health and Safety
 Corrosion
 Spillage
 Treatment
 Clean up

 Sub Floor Design Ventilation Thermal Effect Monitoring Energy Control Pollution







Commercial Refrigeration Development

ISECO can offer Custom Engineered Solutions that Match Your Needs.

- Compressor & Plant Controls
- Supermarket Installations
- Packaged Plant Rooms
- Chilled & Frozen Product Storage
- Specialized Requirements
- Documentation
- System testing
- Compliance review

For further information contact ISECO



Energy Audits Services

What is an Energy Audit?

An Energy Audit is a stock take of energy consumed on your premises.

When do you undertake an Energy Audit?

- When your bills have escalated.
- When there is a suspicion of energy inefficiencies.
- As part of an Energy Management plan

What will we do during an Energy Audit?

- Identify the purpose of the Energy Audit.
- Define the three levels of Energy Audits.
- Investigate energy usage
- Establish an inventory of equipment.
- Explain the benefits.

What are the outcomes of an Energy Audit?

- Locate energy inefficiencies
- Improved efficiency
- Achieve cost savings
- Provide the users an Energy management plan