



Refrigeration Developments
and Testing Ltd

Design, development and optimisation

A complete service from concept to final validation

- ✓ Design
- ✓ Develop
- ✓ Test

1. Design

- A design service to identify the key issues surrounding a new design, find the best options and incorporate them into a design package.

2. Develop

- Develop the design into something tangible, build a prototype and optimise performance.

3. Test

- Test to prove performance of equipment to a BS/EN/ISO standard and obtain accreditation.

Design services include:

- Design of novel prototypes
- Redesign of domestic and commercial refrigerators
- Redesign and optimisation of retail display cabinets
- Reducing energy consumption in refrigeration system
- Development of mathematical models

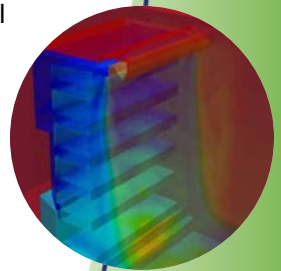
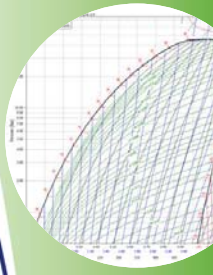
Development and optimisation:

- Optimise design of refrigeration equipment and systems
- Advice on component selection, refrigerant charge, safety
- Energy minimisation and temperature optimisation
- Development of prototypes and proofs of concept

Testing:

We can provide the following services:

- EN23953 retail display cabinet testing - integral or remote cabinets.
- EN441 commercial cabinet testing - integral or remote cabinets
- Calculations for compliance with ECA (Enhanced Capital Allowance) scheme
- Testing of domestic refrigerators
- Refrigerant performance testing
- Development/improvement of cabinet performance
- Energy consumption optimisation
- Development and specification of refrigerated cabinet test facilities and related equipment
- Bespoke tests in 'non standard' conditions
- Witness testing



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