



# Design, development and optimisation

**A complete service from concept to final validation**

- ✓ Design
- ✓ Develop
- ✓ Test

## 1. Design

Identify the key issues surrounding a new design

## 2. Develop

Develop the design and optimise performance

## 3. Test

Test to prove performance and obtain accreditation

### Design

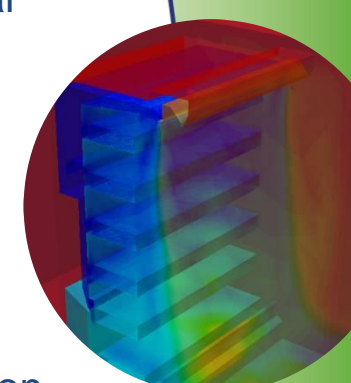
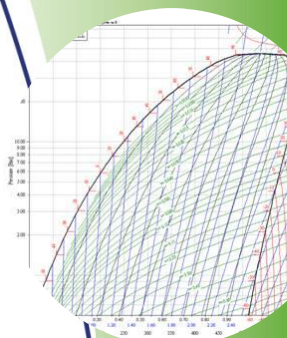
- Design of novel prototypes
- Redesign of refrigerators
- Development of mathematical models

### Develop

- Refrigeration system optimisation
- Component selection
- Refrigerant charge optimisation
- Refrigeration safety
- Energy minimisation
- Temperature optimisation

### Test

- Testing commercial, professional and domestic refrigerators
- Refrigerant performance testing
- Development/improvement of cabinet performance
- Energy consumption optimisation
- Bespoke tests in 'non standard' conditions
- Witness testing



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