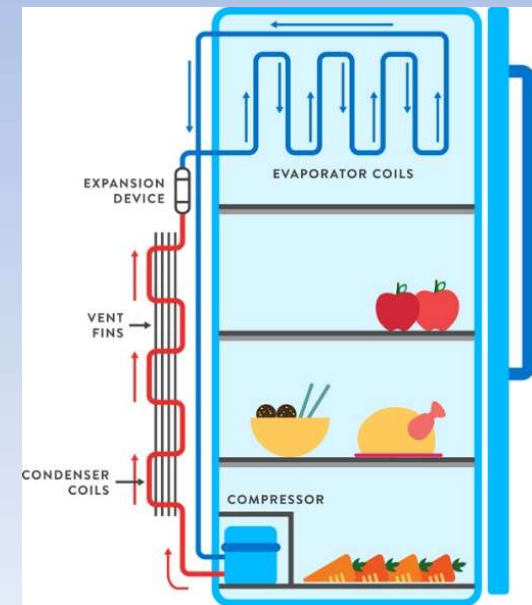
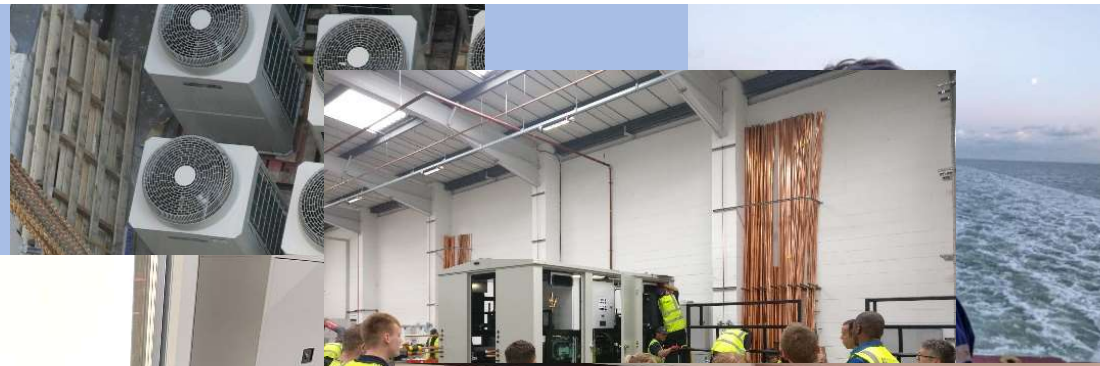
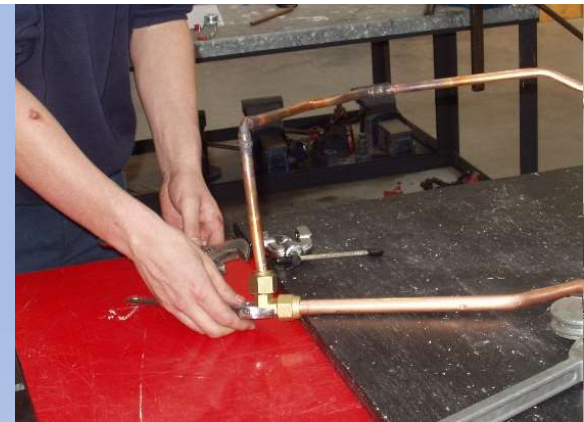


# Refrigeration, air conditioning and heat pump engineering careers



Science Technology Engineering Maths – STEM

**What kind of  
people become  
Engineers?**



# I am an engineer. And I work in ..

Name :

Job :

Company :

Specialism :

Education :

Add picture of  
you at work



# What does an Engineer do?

Engineers apply scientific principles to analyse, design, invent, code, build, and create to **solve problems** and make the world a better place. One of their most important tools is their own **creativity**.

**There are lots of  
different of types  
of Engineer**

## Chemical Engineer



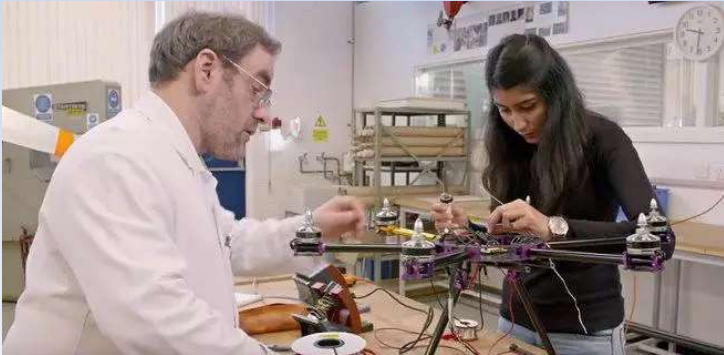
## Mechanical Engineer



## Electrical Engineer



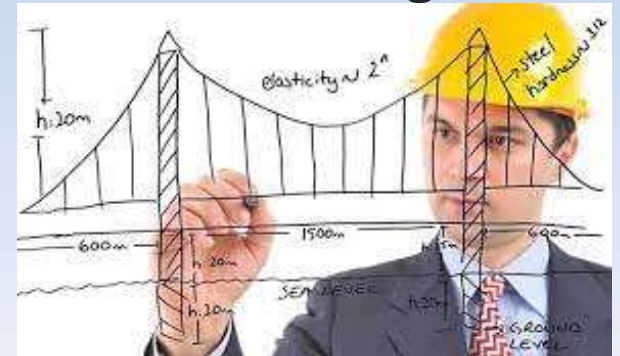
## Aerospace/Aeronautical



## Civil Engineer



## Structural Engineer





**Biomedical Engineer**



**Robotics Engineer**



**Marine Engineer**



**Software Engineer**



**Materials Engineer**



**Manufacturing Engineer**



# Can engineering help save the planet?

**Energy storage**



**Heat recovery**



**Clean Water**



**Heat Pumps**



**Green energy**



**Reducing Food Waste**



# The role of refrigeration, air conditioning and heat pumps

- We don't make domestic fridges.
- We make the big refrigeration and air conditioning equipment used in supermarkets, offices, shops or big industrial applications
- How much of your local supermarket has frozen or refrigerated cabinets and fresh fruit or meat that needs to be kept at cold?



**Why do I love my  
job in  
refrigeration?**

**FANTASTIC  
FRIDGES.com**

- ✓ No two days are the same.
- ✓ The work is interesting – I get to travel and work in different locations with different people and use maths and science in a practical way to help provide solutions
- ✓ I get to address real world challenges, help customers reduce energy and protect the environment
- ✓ There are lots of different types of jobs and roles with good training and career development opportunities
- ✓ The sector is growing and there are lots of job vacancies (and good pay and benefits)

# Some of the types of jobs in RACHP

**Sales Engineer**



**Process Engineer**



**Marketing and Strategy**



**Applications Engineer**



**Design Engineer**



**Technician Engineer**



# Different routes into RACHP careers

## T Levels

- Building Services T level with RAC Units
- Study at School/College
- Includes Work Experience with an employer

## Apprenticeships

- Level 3 Engineering Technician Apprenticeship
- Earn while you learn
- Mix of college and work-based learning

## Degrees

- Study maths, engineering, building services, environmental engineering
- BSc, BEng, MSc and Post Graduate study

## Employment

- Find an entry level job with a local employer
- Study relevant qualifications and training