Handling Fluorinated Gases and Ozone Depleting Substances

PRESENTATION OF THE PROJECTX-FINAL LEVEL 1.

- Be able to identify basic systems, terms, principles, units and how these relate to theory and thermodynamics of vapour compression cycles and refrigerants
- Be able to identify the causes and effects of global warming and climate change
- Be able to identify causes and effects of ozone depletion
- Be able to identify stationary refrigerant, air conditioning and heat-pump system components, functions and leakage risk
- Be able to identify the hazards and safe working practices for the installation, commissioning and handling of refrigerants
- Be able to fabricate and examine pipework
- Be able to undertake refrigerant charging, leak checking and record keeping
- Be able to undertake recovery of refrigerant and oil and prepare for disposal

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The development work starts in the workshop when the student uses the equipment to gradually build the unit.

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Further progress is being made and final product is being tested in the location where it will eventually be mounted

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The final product ready to be used.

Photographs of equipment showing stages of development from left to right

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