



# MARINE REFRIGERATION

**In-house course:** Marine Refrigeration

**Equipment/Facilities:** iLearn module + Virtual Classroom

**Certification:** OSM

**Regulations/Industry Best Practice reference:**

- MarPol Annex VI Regulation 12
- STCW 2010

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## SCOPE & PURPOSE

This training is made to comply with the STCW 2010 Part A chapter III/1 Marine engineering at the operational level and Part A chapter III/2 Marine engineering at the management level.

## LEARNING OBJECTIVES

At the end of this training, trainee will be able to:

- Identify the four major components of Refrigeration system
- Understand PT Chart and its purpose
- Understand the Pressure – Enthalpy Diagram
- Adapt Montreal Protocol and EPA
- Understand the electrical control of refrigeration system
- Modify the superheat of refrigeration system
- Understand the proper way of charging and discharging of refrigerant

## Entry Standards

- The course is open to all Marine Engineers/ Electrical officers.
- Must have taken Marine Refrigeration eLearning as pre-requisite to this course

**COURSE DURATION** (*Training hours indicated does not include offline activities/ or exercises*)

Virtual Class : 8.0 hours