

# H914 – Turbocharging Senior for Technical Staff

This training is targeted to end user who operate TPL platform turbochargers. Course develops items like: basic maintenance as well as cartridge concept. Included a workshop session with operational exercises.

## Learning objectives:

Upon completion of this course, the participants will have an understanding of turbocharging basics and TPL installation on four stroke diesel marine applications, with reference to operation and first level maintenance. Understanding of turbocharging basics on four stroke diesel marine applications, with reference to interaction between engine and turbocharger, design criteria and operational influencing parameters will be provided.

## Contents:

- Turbocharging principles
- TPL- A/C service concept
- TPL- A/C Monitoring in operation
- TPL- A/C Cleaning in operation
- Turbocharger cartridge concepts
- TPL- A/C Disassembly and assembly (workshop session)
- Main dimensions and measurements, tightening torques
- Interaction between engine and turbocharger
- Influence of ambient conditions on turbocharger
- Surging
- HFO operation
- Loads on turbocharger components
- Rating plate and design criteria (SIKO)

## Methods:

Classroom lectures and workshop session.

**Duration:** 4 days

## Student profile:

Marine Engineers and Superintendents.

## Prerequisites:

None

**Venue:** Genoa, Italy

## Additional information:

Minimum 6, maximum 8 participants;  
PPE (Safety Shoes) are required to enter the workshop.

