# Length 80 hours (10 days)

## **Objective**

This course is intended to educate those engineering officers interfacing of gas turbine engines aboard modern merchant marine vessels. It attempts to bring together the various engineering disciplines underlying the design of the gas turbine engine with its marine applications. It is appropriate for those engineering officers holding a steam or motor or gas turbine unlimited horsepower license. Each student who successfully completes this course will be able to discuss and identify with confidence the various components and systems of a typical marine gas turbine propulsion plant.

#### This Course is USCG Approved and STCW Compliant. The course certificate will state:

"Any applicant, who has successfully completed our Gas Turbine (STRCTR-208) course and presents our certificate: has satisfied the training requirement of 46 CFR 11.502(b)(4) inlieu of service for adding the Gas Turbine Propulsion mode to an existing national engineering officer endorsement. This course may only be used once for an Increase-in-Scope of a National Engineering Officer endorsement. Applicants must complete the National Engineering Endorsement examination requirements of 46 CFR 11.201(J). AND has demonstrated completion of the National Assessment Guidelines TASKs listed below. Applicants who have successfully completed this course are not required to present completed Records of Assessment for these tasks when applying for STCW endorsement 1. NVIC 17-14 OICEW TASK Nos.: 1.1.D; 4.3.B; 4.3.E and 4.3.H 2. NVIC 15-14 CE/2<sup>nd</sup> EO TASK Nos.: 1.3.A; 1.3.B; 1.3.C; 1.3.D; 3.3.A and 7.1.C"

### <u>Scope</u>

This course is intended to meet USCG requirements as listed above in the USCG Approved and STCW Compliant Course Certificate section.

### Entry standards

Student minimum prerequisites are:

- In possession of a valid Merchant Mariner Credential (MMC)
- Proficient in the English language

#### Please be prepared for class with the following:

• No extra class material required

#### **Simulators and Training Tools**

• Kongsberg Desktop model G22 LM2500 Gas Turbine Power Plant

### **Teaching Facility**

STAR Center, Dania Beach, Florida

