CERTIFICATE OF COMPETENCE

This certificate is issued to:

MARCO ALBERTO HERRERA CASTRO

For having completed the course:

PROFICIENCY IN TUGBOAT MANEUVER IN SUPPORT OF SPM BOUY – FSO/FPSO OPERATIONS

The course is part of the Tugboat Handling Simulator – Maneuver Training Course, which is recognized by the Nautical Institute for the purposes of Continuing Professional Development (CPD).

Objective

The participant will be competent to demonstrate knowledge, understanding and competence for the control of maneuvers of marine tugboat operations in oil & gas terminal (SPM Bouy, FSO & FPSO) following OCIMF guidelines for single point mooring of tankers .

Topics

- Purpose of the SPM Bouy – FSO / FPSO
- Components of the SPM facilities
- Anchoring system of SPM facilities
- Swivel system
- Preparation of the facility for tanker mooring
- Tanker berthing maneuver to the SPM facility
- Tugboat maneuver to maintain the tanker's position during the offtake operation
- Danger zone of the tanker during the offtake operation
- Operational safety
- Risks associated with berth, positioning, and unberthing maneuvers of the tanker at the SPM facility
- Terminal-tanker-tugboat communication
- Best practices
- Maneuvering exercises in different scenarios at the SPM facility in a NAUTIS / VSTEP simulator

Course delivered period
07/07/2026 – 09/07/2026

Hour duration
16 hrs.

Place Issued
Mexico City, Boluda Training & Simulation Center

Expiration date
09/07/2029

Director de Operaciones
Ing. Jorge Fidel Vivero Troncoso

Instructor
Juan Francisco Márquez Lara
Registration Mexican Labor Authority (STPS)
MALJ680920CZ50005

RECOGNISED FOR CPD

The Nautical Institute

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