



ROV

ROV INTRODUCTORY COURSE | ROV PILOT TECHNICIAN LEVEL 2



REGISTERED MEMBER AND
APPROVED ROV TRAINING
PROVIDER BY INTERNATIONAL
MARINE CONTRACTORS
ASSOCIATION (IMCA) :



NETHERLANDS MARITIME UNIVERSITY COLLEGE (NMUC)
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ROV PILOT TECHNICIAN LEVEL 2

• ROV INTRODUCTORY COURSE

COURSE OVERVIEW

ROVs are widely used in the oil and gas, and marine sectors to accomplish tasks in underwater environments that are often too deep or too dangerous for human divers. ROVs are nothing without their pilots. An ROV pilot technician handles the operation, maintenance, and repair of an ROV and its system.

NMUC's ROV Pilot Technician course is a comprehensive training program designed to cultivate skillful, competent, and market-ready future ROV pilot technicians. The course is structured to blend theory with hands-on exercises, emphasizing practical training elements. It encompasses all the skills required by the industry and meets IMCA requirements.

ROV CORE MODULES

IMCA Basic Module

- UNDERWATER INDUSTRY INDUCTION
- OFFSHORE INDUSTRY SAFETY CULTURE
- ROV SPREAD TERMINOLOGY
- ROV BASIC DESIGN AND DEVELOPMENT
- ROV PERSONNEL COMPETENCY MATRIX
- ROV INSPECTION, MAINTENANCE & TROUBLESHOOTING
- ROV SPREAD MANAGEMENT SYSTEM & TECHNICAL AUDIT
- ROV DIVE PLAN & PILOTING
- ROV PROJECT INTERGRATION & PROJECT CASE
- ROV INSPECTION REPAIR & MAINTENANCE
- HIGH VOLTAGE POWER DISTRIBUTION FOR ROV
- FIBRE OPTICS FOR ROV PERSONNEL
- ROV SIMULATOR FOR ROV PILOT TECHNICIAN
- TROUBLESHOOTING FOR ROV PERSONNEL

NMUC Advance Module

- ROV PRE MOBILIZATION PREPARATION
- ROV MOBILIZATION & DEMOBILIZATION
- ROV OFFSHORE OPERATION - LAUNCH & RECOVERY
- ROV PILOTING & MISSION PLANNING
- TROUBLESHOOTING FOR ROV PERSONNEL

CANDIDATE REQUIREMENTS

- The course is specifically designed for individuals new to the ROV industry and aligns with IMCA standards.
- Candidates are eligible if they possess either of the following:
 - Relevant technical knowledge or work experience, preferably in fields such as electronics, electrical engineering, mechanics, hydraulics, or related disciplines.
 - A recognized qualification, such as Malaysian Skill Certificate (SKM) Level 3 or national skill certificate in a relevant technical field.

COURSE OUTCOMES

- Recognize the key elements of Remotely Operated Vehicles and manage underwater ROV operations.
- Integrate and deploy Remotely Operated Vehicles while implementing the LEAN Concept in the offshore work ecosystem.
- Seamlessly work with online collaboration platforms and tools.
- Plan, execute, inspect, and improve the provision of offshore ROV operations.

DURATION

Twenty days (20) of classroom-based theoretical, practical, and simulator training

Optional :

- ROV Fiber Optic Technician
- High Voltage Awareness & Safety
- Bosiet with Travel Safety by boat
- First Aid with AED
- Working at Heights
- Wirelock Resin Socketing

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