Pathway to ROV – 101 essentials

Date: 1st September 2025

Duration: 10 days (excluding weekend)

Cost: £3,900 inc VAT

Location: UHI North, West and Hebrides, Fort William

Course Overview:

This course provides foundational knowledge and hands-on experience in the core systems that power and control modern subsea ROVs. The training focuses on three primary technical domains: Electrical Systems, Hydraulic Systems, and Networking/Data Communications. By the end of this program, participants will have the skills needed to support, maintain, and troubleshoot core ROV systems in line with IMCA requirements. There will be written exams testing theory along with practical assessments involving fault finding and system interpretation.

Learning Objectives:

- Understanding of ROV industry
- Types of ROVs
- Career progression
- Understand the basic principles of electricity, fluid power, and data transmission
- Identify and describe key components within ROV systems
- Interpret schematics and system diagrams
- Perform basic fault-finding and troubleshooting procedures
- Perform basic manoeuvring, depth control, and station-keeping of a Seaeye Falcon ROV
- Understand key practices of a safe working environment
- Fundamental understanding of planned maintenance procedures

Outcome:

On successful completion of the course, candidates will be awarded a course completion certificate from UHI North, West and Hebrides and be issued with an IMCA ROV Pilot Log Book.

Target Audience:

Individuals with a technical background seeking a career as an ROV Pilot or Technician with experience outlined within IMCA R002.

Prerequisites: One or more of the following along with a successful short interview by our trainer -

- Recognised trade qualification in Electronics/Electrical, Hydraulic or Mechanical.
- Nationally recognised higher education with at least 1 year's trade experience
- If none of the above apply then certain circumstances allow for evidenced extensive industry experience.

For more information or to apply for a place on the course: Email enterprise.nwh@uhi.ac.uk