



SUSTAINABLE BLUE ECONOMY PROFESSIONAL

ROV Technician

ROV Technicians operate, maintain, and repair ROV systems used in underwater environments. They pilot ROVs for inspections, repairs, and data collection in sectors like oil and gas, scientific research, and underwater construction. Their work is crucial for safe and efficient underwater operations, supporting environmental monitoring and subsea project success.



JOB DUTIES

- Pilot the ROV in coordination with vessel operators;
- Prepare and test ROV systems before and after dives;
- Operate ROV cameras, sonar, navigation systems, and other ROV tools to perform underwater tasks;
- Conduct routine and preventative maintenance on ROV systems;
- Clean and rinse the ROV after each dive to prevent corrosion;
- Document dive records, including video, audio, and data logs;
- Work with engineers to modify and upgrade ROV capabilities; and
- Communicate technical information accurately and clearly.



EDUCATION

An undergraduate diploma or degree in a related field including:

- ROV Technology;
- Electrical, Electronics, or Mechanical Engineering/Technology;
- Marine Technology; and
- Mechatronics.

Certifications are often essential or highly beneficial:

- ROV Pilot Certification; and
- Marine Emergency Duties (MED) Certification.



TECHNICAL SKILLS

- ROV piloting;
- Routine & preventative maintenance;
- Navigation using sonar and cameras;
- Manipulation of underwater tools;
- Hydraulics knowledge; and
- Electrical systems repair.



PERSONAL & PROFESSIONAL SKILLS

- Effective communication
- Team collaboration
- Problem-solving
- Attention to detail
- Adaptability to underwater conditions
- Stress management



WHERE TO WORK

ROV Technicians work in industries like subsea oil and gas, research, and construction, where they support remote operations for exploration, maintenance, and data collection. They are crucial for maintaining safety and operational standards in these sectors:

**Oil and Gas Companies | Marine Research Facilities | Salvage Operations
Telecommunication Companies | Offshore Construction Projects
Defense and Security Agencies | Environmental Consulting Firms
Aquaculture Operations**



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