

# An Introduction to Offshore Renewables

## Topic Overview

Drawing upon the knowledge gained over the last 50 years in the offshore industry; University of Strathclyde and Global Underwater Hub have joined together to deliver a foundation level course that provides unique insight into this exciting new sector. Understanding the business and technical aspects of the offshore renewable energy sector will provide delegates with underpinning knowledge of this growing global sector as we adapt to a Net Zero future. Delegates who will benefit from this course will range across professionals from industry as well as government organisations, financial and legal institutions.

## Course Organisation

The course will be delivered by experienced personnel from across the energy sector and address the commercial and technical lifecycle of offshore renewable energy assets. The course will be delivered virtually, with interactive sessions offering the opportunity for delegates to ask questions and discuss learnings. In particular, visual components will be included to enhance delegates appreciation of the industry.

## Content Details and Schedule

### 1st Day

- Business Framework
- Background
- Regulatory Frameworks
- Safety and Environment
- Cost and Economics PM – Engineering for the Offshore Environment
- Resources & Locations
- Marine and Environmental
- Structures

### 2nd Day

- Operating in the Offshore Environment
- Design, Manufacture & System Integration
- Installation
- Integrity Management, Inspection and Life Extension
- Decommissioning and Re-purposing PM – Future Opportunities
- Data
- Digitalisation
- Hydrogen & CCU