

# **OFFSHORE SUPPORT INDUSTRY**

## **AIM**

To ensure a thorough knowledge and understanding of the Offshore Support Industry  
To develop relevant communication skills

## **VESSELS**

- Origins and influences on offshore vessel design, emergence of dedicated industry needs, relevance of differing geographic requirements
- Vessel types and design, differing characteristics and equipment requirements, evolution in response to changing market requirements, effect of environmental issues
- Fleet profiles/development, global geographic distribution of industry influence, reasons for development of specialist sector skills for vessel design and construction

## **OIL AND GAS BUSINESS**

- Exploration and related activities including surveying requirements and drilling activities, Jackups, semi submersibles, drillships, Tender rigs
- Construction relating to installations, platforms, pipelines, umbilicals, well heads and infrastructure, risers, moorings and associated requirements
- Production and platforms (fixed and floating), FPSO's, FSU's, offtake/loading buoys, shuttle tankers and other production phase units, production drilling, field enhancement
- Maintenance and De-commissioning work, other related tasks and issues

## **WORLD REGIONAL MARKETS**

- Breakdown of regional markets, geographic coverage, relevance of vessel types and numbers, effects of remote locations
- Regulatory regimes, cabotage and crewing aspects
- Geographic influences, effect of regional/local conditions
- Political aspects, environmental issues

## **CHARTERING MARKETS**

- Supply and demand, factors affecting the markets, global and local influences, effects of fiscal regimes, political, national and other influences, subletting
- Spot and term markets, relevance and optimal use, variations in commercial and operational practices
- Role of the Broker, methods of working, legal, tactical and ethical aspects, differing markets, sale & purchase, newbuilding, bareboat, lease purchase, scrapping
- Types of Charterers and Owners, Contractors and logistics companies as principals

## **WORKSCOPES**

- Runs and Scope of work, capabilities of vessels and their systems, IMO requirements
- Cargoes and specialised requirements/differing work roles, pipe carrying, anchor handling, towage and salvage, support work, standby duties, survey work, sub-sea

work, diving support, ROV support, heavy lift, rig moves

- Marine logistics

## **OFFSHORE CONSTRUCTION**

- Pipeline installations – rigid/flexible, risers/umbilicals, cable installation
- Accommodation units
- Platform installation, heavy lift/derrick barges and other types
- FPSO installations, mooring systems, suction anchors, subsea manifold/template installations
- Well head installations and subsea infrastructure
- Alongside mooring, DP, mooring systems, gangway connections

## **CONTRACTS & COMMERCIAL ASPECTS**

- Contract features, maintenance days, termination provisions, substitute vessels, liquidated damages, sub-letting, profit share mechanisms
- The Knock for Knock principle
- Indemnities, Hold Harmless agreements
- Charter forms used, industry charter forms available, relevant differences, other Contracts

## **HSE & SECURITY**

- HSE environment, safety management
- Legislative requirements, compliance procedures, security issues and requirements
- Hazardous Cargoes, categories, characteristics
- Vessel audits, industry standard format, surveys, incident reporting

## **OSV MANAGEMENT & OPERATIONS**

- The nature of OSV management
- Propulsion systems, anchor handling, cargo handling systems
- Stowage of dry and liquid bulk products, tank cleaning, deck cargoes, special handling and hazardous cargoes
- Technical developments, vessel improvements, environmental changes

## **GENERAL**

- Factors for change in the offshore industry, technology, vessel size and design, environmental effects and legislation
- Taxation, Crewing and experience levels, insurance
- Offshore industry terms and abbreviations