

# **AZUR OFFSHORE LTD PETRONAS - COURSES**

## **COURSE D OIL INDUSTRY PROJECT MANAGEMENT & ECONOMICS**

A TWO DAYS Course for Project Managers, Project Engineers, Cost engineers, Procurement Managers, etc.....

### **DAY ONE**

**08.15** Videos & coffee

**08.45** Course Welcome

#### **09.00 D-L1 INTRODUCTION TO THE MANAGEMENT OF EXPLORATION & PRODUCTION**

- Legal Framework for Exploration Activities
- Licence Block System
- World Examples
- Financial Basis
- Concessionary Arrangements
- Production Sharing Contracts
- Field Partners
- Block Unitisation

#### **10.00 D-L2 PROJECT MANAGEMENT - ORGANISATION**

- Principles of Management
- Oil Industry Projects
- Project Phases and Organisation
- Project Teams
- Project Management – Professional Bodies

**11.00** Break

#### **11.15 D-L3 INTERFACES WITH AUTHORITIES**

- Government Legislation
- Development Plan Approval
- Operational and Safety Legislation
- Certification / Verification
- Design Codes and Standards

#### **12.15 D-L4 PROJECT MANAGEMENT - PLANNING METHODS**

- Engineering Planning Blocks
- GANTT Charts
- Network Charts
- Combined Charts
- Time Management

**12.45** Lunch

#### **13.45 D-L5 PROJECT MANAGEMENT - PROCEDURES / PLANNING**

- Project Procedures

- **Project Planning and Scheduling**
- **Progress Monitoring / Reporting**
- **Planning Levels**
- **Contractor Reporting**
- **Quality Assurance**

**14.30 D-L6 PROJECT MANAGEMENT - TEAM LEADERSHIP / TEAM ACTIVITIES**

- **Leadership**
- **Delegation**
- **Motivation**
- **Appraisal and Feedback**
- **Presenting**
- **Problem Solving**

**15.00 Break**

**15.15 D-L7 MANAGEMENT OF EMERGENCIES & CRISIS**

- **Risk Communication**
- **Emergency Response Planning**
- **Communications During Crisis**
- **Example of a Company Exercise**

**16.15 D-L8 ENVIRONMENTAL ISSUES**

- **Legislation**
- **Company Standards**
- **Oil Spills**
- **Produced Water Discharges**
- **Gas Flaring**
- **Environmental Impact Assessments**
- **Examples**

**17.30 Questions and Answers followed by Close of Day One**

## **DAY TWO**

### **08.45 D- L9 MANAGEMENT OF DECOMMISSIONING**

- National and International Regulations
- Operational Planning
- Examples
  - Jacket Removal
  - Subsea Equipment
  - Pipelines
  - Wellheads
- Subsea Cutting Methods

### **9.45 D-L10 PROJECT MANAGEMENT - STEPS IN FIELD DEVELOPMENT A - INITIAL BASIS OF DESIGN & FEED STUDY**

- Development Options
- Development Philosophy
- Field Characteristics and Production Profile
- Floating and Subsea Production Systems
- Operational Requirements
- Key Interfaces
- Decommissioning
- Laws, Codes and Standards

**11.00 Break**

### **11.15 D-L11 PROJECT MANAGEMENT - STEPS IN FIELD DEVELOPMENT B - CASE STUDIES**

- Small Tie-Back Field
- Small FPSO Field Development

**12.30 Lunch**

### **13.30 D-L12 ECONOMIC CONCEPTS, EVALUATION METHODS & FIELD ASSESSMENTS**

- Main Economic Concepts
  - Assets, Time Value of Money, Inflation
- Economic Evaluation Criteria
  - Pay Out, Rate of Return (ROR), Net Present Value (NPV)
- Economic Risk Analysis
- Life Cycle Cost Analysis
- Cost Estimation and Development Plan Selection

### **14.30 D-L13 EXAMPLES OF GOVERNMENT / INDUSTRY COST REDUCTION FIELD DEVELOPMENT APPROACHES**

- Government Cost Reduction Measures
- Examples
  - Functional Specifications
  - Supplier Documents
  - Standard Contracts
  - Simpler Regulations
  - Prequalification Procedures

- **Development Approaches for Small Fields**
- **Supply Chain**
- **Innovation and Technology**

**15.15 Break**

**15.30 D-L14 PROCUREMENT ACTIVITIES**

- **Procurement / Contracting Process**
- **EPIC Contracts**
- **Partnerships**
- **Contract Bidding and Bid Evaluation Approaches**
- **Project and Financial Management System (PROFIM)**

**17.0 QUESTIONS AND ANSWERS**

**17.15 Presentation of attendance Certificates and Close of Course**