

# AZUR OFFSHORE LTD

## PETRONAS - COURSES

### COURSE A - INTRODUCTION TO OFFSHORE PRODUCTION

A ONE DAY Course for Project Managers, Project Engineers, Reservoir and Drilling Engineers, Cost Controllers, etc...

#### DAY ONE

08.15 Coffee and Videos

08.45 Course Welcome

#### **09.00 A-L1 GLOBAL ENERGY REVIEW AND SUBSEA / FLOATING PRODUCTION SYSTEMS FUTURE**

- World Energy Data
- Oil, Gas and LNG
- Deepwater
- Future Developments
- Global Review of Subsea and Floating Production Systems
- S E Asia / Australia Region Review

#### **10.15 A-L2 REVIEW OF FIXED PLATFORMS (.....)**

- Design and Types (Jackets, TLPs, SPARS)
- Installations
- Operation and Maintenance
- Topsides Processing Systems
- Decommissioning

11.00 Break

#### **11.15 A-L3 INTRODUCTION TO FLOATING AND SUBSEA PRODUCTION SYSTEMS**

- Background and General Trends in Offshore Production
- Review of Fields developed with Floaters and Subsea Production Systems
- Influence of Pressure, Temperature and Reservoir Chemistry on Production Systems
- Deepwater Requirements

12:45 Lunch

#### **14.00 A-L4 INTRODUCTION TO OFFSHORE EXPLORATION AND RESEVOIR ENGINEERING**

- Overview of Geology and Reservoir Formations
- Seismic Data Collection and Analysis
- Reservoir Engineering
- Formulation of Drilling Programme

#### **14.30 A-L5 INTRODUCTION TO OFFSHORE DRILLING**

- Drilling Rigs /Jack-ups / Drillships
- Basis Drill Rig Components and Equipment
- Marine Drilling Components
- Deepwater Drilling
- Horizontal and Extended Reach Drilling
- Drilling Costs
- Deepwater Drilling

15.45 Break

**16.00 A- L6 INTRODUCTION TO PROJECT PHASES AND COSTING**

- System Design Optimisation
- Cost Phases and Methodology
- Cost Examples (Small and Large Projects)

**16.45 DISCUSSION SESSION - QUESTIONS AND ANSWERS**

17.15 Presentation of attendance Certificates and Close of Course.