



DEMS

Beyond Engineering

Subsea Controls Course



Subsea Specialist Course 1

Course	Subsea Introduction and General Awareness
Trainer(s)	Mohsen Shavandi

Topic	Day 1 Morning	Day 1 Afternoon	Day 2 Morning	Day 2 Afternoon
Introduction and Overview				
Field Economics/ Architecture				
System Configuration				
Introduction to Well Design				
Introduction to Drilling				
Introduction to Completions				
Xmas Tree Concepts				
Templates and Manifolds				
Risers and Umbilical's				
Tie-Ins				
Production Control Systems				
Workover Systems				
ROV Intervention Systems				
Subsea Codes and Standards				
Subsea Valves				
FAT, PVT, SIT				

Subsea Specialist Course 4

Course	Subsea Controls
Trainers	Rhodri Morgan

Topic	Day 1 Morning	Day 1 Afternoon	Day 2 Morning	Day 2 Afternoon	Day 3 Morning	Day 3 Afternoon
Design Criteria						
System – Electric or Hydraulic						
System – Multiplex Electro Hydraulic						
Topside Equipment						
Subsea Equipment						
Operation of System						
System Interfaces						
Fluid Types						
Intervention of Systems						
Inspection, Repair, Maintenance						
Obsolescence						
Future Developments						