



DEMS

Beyond Engineering

Subsea Integrity Management, Life Extension & Obsolescence 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 7

Course	Subsea Integrity Management
Trainers	Eric Allen, Bente Leinum

Topic	Day 1	Day 1	Day 2	Day 2	Day 3	Day 3
	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
Historical Review						
Role of Subsea Equipment in Major Accident Hazards						
Equipment Integrity and Failure Modes						
Risk Assessment and Nodal Analysis						
IM Planning						
Inspection, Monitoring & Testing						
Integrity Assessment						
Mitigation, Intervention & Repair						
Condition Monitoring						
Life Extension						
Information Management						
Case Studies						