



DEMS

Beyond Engineering

Subsea Materials & Corrosion 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 3

Course	Subsea Materials and Corrosion
Trainers	Rune Andreassen, Fei Tang

Topic	Day 1 Morning	Day 1 Afternoon	Day 2 Morning	Day 2 Afternoon	Day 3 Morning	Day 3 Afternoon
Basic Metallurgy						
Steelmaking						
Material Manufacturing						
Material Testing						
Fabrication – Forming						
Failure Analysis						
HISC						
Fabrication – Welding						
Corrosion and Corrosion Control						
Materials - Pipeline Applications						
Materials - Subsea Equipment						
Materials - Bolting						