



DEMS

Beyond Engineering

**Subsea Technology Advancement –
Evolution of Subsea Equipment &
Components Course**

Subsea Specialist Course 1

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| 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 9

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| Course | Subsea Technology Advancement – Evolution of Subsea Equipment and Components |
| Trainers | Mohsen Shavandi, Dag Erlend Andersen |

| Topic | Day 1 Morning | Day 1 Afternoon | Day 2 Morning | Day 2 Afternoon | Day 3 Morning | Day 3 Afternoon |
|---------------------------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|
| Introduction and Overview | | | | | | |
| Offshore Terminology and Installation | | | | | | |
| Reservoir Engineering | | | | | | |
| Drilling Systems | | | | | | |
| Subsea Engineering | | | | | | |
| Pipeline | | | | | | |
| Materials | | | | | | |
| High Pressure – High Temperature | | | | | | |
| Deepwater Technology | | | | | | |
| Decommissioning/ P&A | | | | | | |
| Computers in Offshore Technology | | | | | | |
| Arctic and Cold Water Applications | | | | | | |