



COURSE CATALOG 2021

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Famor Drilling and
Well Control Services (FDS)



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General Information

The Famor Drilling & Well Control Services (FDS) established under supervision of Aberdeen Drilling School and adhering to Aberdeen Drilling School's international standards. This document explains technical aspects of training courses offered by Famor Drilling & Well Control Services under supervision of RelyOn Nutec/Aberdeen Drilling School and support of our valuable partners such as Kingdom Drilling, Merlin ERD, Wellideas and Triton to enhance personnel professional knowledge and practical capabilities of upstream sector in oil & gas industry. All mentioned courses are prepared and arranged based on latest international standards and regulations in drilling & completion industry.

Training Delivery Methods

We consider different approaches for training delivery based on clients' targets, time constraints and desired way of learning. We are able to tailor and customize our courses through all delivery methods; Classroom-based Training & Workshops (CRB), Instructor-led Virtual Experience (ILVE), Self-paced Virtual Experience (SPVE), Virtual Workshops, Self-study & Assessment (SSA) and Blended Learning.

■ Classroom-based & Workshops

Our most common and well-known way of training are reinforced by interactive presentations, videos, Mathcad & Excel sheets, group discussion and workshops. Also, we consider our drilling simulator, hands-on-models and engineering software as one of the best tools to provide exciting training courses.



Workshop



Classroom-based Training

■ Virtual Training

According to new era of learning, market demand has been changed. We and our partners adopted ourselves by arranging Virtual Instructor-led and Self-paced trainings to provide our clients with same training qualities and promises as we made before;

- Famor Instructor-led Virtual Experience (ILVE) trainings utilize high-tech international platforms such as GoToTraining, GoToMeeting and Adobe Connect to deliver specific courses. Subject matter experts will lead training sessions with live and interactive presentations using virtual whiteboards, sheets and other e-learning tools. These courses are featured by online and offline student support.
- Famor Self-paced Virtual Experience (SPVE) trainings are prepared and tailored by technical teams from United Kingdom and The Netherlands under supervision of RelyOn Nutec, Kingdom Drilling and other industrial expertise. Self-paced courses are conducted through learning management systems (LMS) such as KnowHow and get updated in predetermined intervals. This type of learning is fully time flexible and could be done anywhere, at any time and without any deadlines.



Instructor-led Virtual Experience



Self-paced Virtual Experience

Self-study & Assessment

This type of learning needs highly collaborative participants; attendees need to study given course materials in predetermined duration, fulfill their tasks and question sheets. During this phase, Famor Subject Matter Expert (SME) will follow up learning process and conduct Q/A sessions. In this session, participants will send their questions and problems and then SME will arrange to answer all questions in time-efficient way. This process will be continued to cover all desired topics; Finally, assessment session will be planned and held. This could be as a classroom exam, online exam or either self-assessment exam.



Self-study & Assessment

Blended Learning

Blended learning utilizes all mentioned training approaches and provide high quality, cost-effective and partial-time-flex learning based on predetermined programs for participants. Also, customization could be get easily fitted within this approach.



Blended Learning

Training Disciplines

Famor developed various fields of training subjects to empower engineering and operational personnel with updated standards and technologies all across the globe. These trainings subjects are not restricted to following topics; we provide any on-demand trainings suitable for our clients and customers based on internal and external case studies.

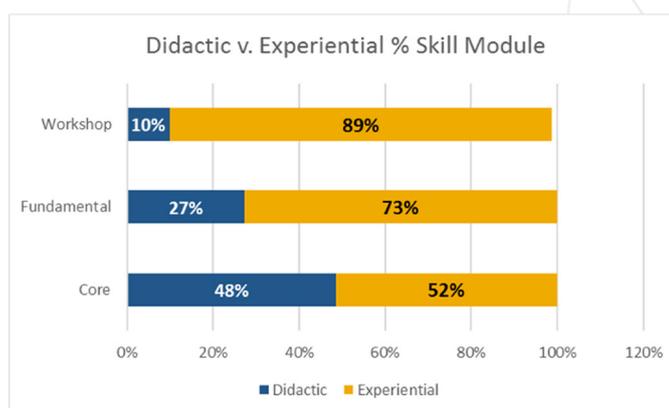
We separate our training programs in 8 disciplines;

- Well Construction & Technology Training Program
- Geo-science & Subsurface Training Program
- Reservoir Engineering & Production Training Program
- Well Control Assurance & Drilling Well Control Training Program
- Drilling Units & Vessels Training Program
- Safety in Upstream Sector Training Program
- Management & Analysis in Upstream Sector Training Program
- Technical Role-specific Training Program

Training Skill Modules

Training courses provided in this proposal are defined based on following level of skills;

Didactic vs. Experiential



Core Module			
Narrated Slideshow	29%		48%
Reading Assignment	10%		
Videos	3%		
Online Learning Module	7.37%		
		Experiential	
PRE	11%		52%
POST	12%		
Exercise + Interactive Ex	12%		
Quiz	16%		
Virtual ILT Class	0%		
Fundamental Module			
Narrated Slideshow	21%		27%
Reading Assignment	0.58%		
Videos	0.62%		
Online Learning Module	5.27%		
		Experiential	
PRE	6%		73%
POST	7%		
Exercise + Discussion	18%		
Quiz	8%		
Virtual ILT Class	34%		
Workshop Module			
Narrated Slideshow	0%		10%
Reading Assignment	9%		
Videos	0%		
Online Learning Module	0%		
		Experiential	
PRE	4%		89%
POST	0%		
Exercise	31%		
Quiz	0%		
Virtual ILT Class	54%		

Well Construction & Technology Training Program

Essential Oilfield Knowledge

Description	Duration
Drilling Engineering & Operation	5 Days – 25 hrs
Essentials of Well Integrity	2 Days – 10 hrs
Plug & Abandonment	2 Days – 10 hrs
Basic Oilfield Calculations	3 Days – 15 hrs
Drilling, Completion and Workover Calculations	4 Days – 20 hrs

Oilfield Practices

Description	Duration
Drilling Fluid, Circulation Systems & Solid Control: Principles & Technology	4 Days – 20 hrs
Drilling Waste Management & Solid Control	4 Days – 20 hrs
Cement Slurry Design & Operation	3 Days – 15 hrs
Best Cement Practices & Cement Evaluation	5 Days – 25 hrs
Casing & Tubular Design	5 Days – 25 hrs
Tubular Handling & Running Operation	5 Days – 25 hrs
Casing Recovery Methods	2 Days – 10 hrs
Well Integrity Workshop	3 Days – 15 hrs
Drillstring & BHA Design	5 Days – 25 hrs
Bit Selection & Hydraulics	3 Days – 15 hrs
Drilling Best Practices	4 Days – 20 hrs
Integrated Conventional Well Engineering & Design Technology	5, 15 & 21 Days
Directional & Horizontal Drilling Engineering	5 Days – 25 hrs
Advanced Directional & Horizontal Drilling Workshop	8 Days – 40 hrs
Wellhead Selection Workshop	5 Days – 25 hrs



Description	Duration
Completion Engineering & Technology	5 Days – 25 hrs
Coiled Tubing Operation & Technology	4 Days – 20 hrs
Slick Line Operation & Technology	4 Days – 20 hrs
Wire Line Operations	5 Days – 25 hrs
Artificial Lift & Technology	5 Days – 25 hrs
Artificial Lift Analysis: Candidate Selection & Design	5 Days – 25 hrs
Electric Submersible Pumps ESP: Design & technology	4 Days – 20 hrs
Gas lift Technology	4 Days – 20 hrs
Well Stimulation Applied Knowledge & Practices	5 Days – 25 hrs

Oilfield Specialties

Description	Duration
Integrated HPHT Well Planning & Design Technology	5,15 & 21 Days
Integrated Deepwater Well Planning & Design Technology	5,15 & 21 Days
Stuck Pipe Prevention & Fishing Avoidance	5 Days – 25 hrs
Fishing, Milling & Side-tracking	5 Days – 25 hrs
Managed Pressure Drilling (MPD) Techniques & Operation	5 Days – 25 hrs
MPD Candidate Selection & Solutions	5 Days – 25 hrs
Extended-Reach Wells & Drilling Considerations	5 Days – 25 hrs
Advanced ERD Well Engineering & Design	12 Days – 60 hrs
Multilateral Technology: Analysis & Design	6 Days – 30 hrs
Drilling Optimization: KPIs & Benchmarking	6 Days – 30 hrs
Casing While Drilling (CWD) Technology	3 Days – 15 hrs
Multilateral, Horizontal & Extended-Reach Completion Technology	5 Days – 25 hrs
Multistage Hydraulic Fracturing	5 Days – 25 hrs

Geo-science & Subsurface Training Program

Description	Duration
Fundamentals of Geomechanics & Wellbore Stability	5 Days – 25 hrs
Mechanical Earth Modelling; 1D & 3D Model Construction	5 Days – 25 hrs

Reservoir Engineering & Production Training Program

Oilfield Practices

Description	Duration
Applied Reservoir Engineering	5 Days – 25 hrs
Reservoir, Fluids and Rocks Calculations	4 Days – 20 hrs
Heavy Oil Resources	4 Days – 20 hrs
Gas Reservoir Engineering	5 Days – 25 hrs
Production Engineering & Operation	5 Days – 25 hrs
Enhanced Oil Recovery Concepts & Considerations	5 Days – 25 hrs
Operational Aspects of Well Test	3 Days – 15 hrs
Well Test Design & Analysis	5 Days – 25 hrs

Oilfield Specialties

Description	Duration
Advanced Reservoir Engineering & Analysis	10 Days -50 hrs
Reservoir Engineering Workshop & Simulation	3 Weeks – 150 hrs
Unconventional Reservoirs & Production Engineering	8 Days – 40 hrs
Production Logging & Interpretation	5 Days – 25 hrs
Advanced Well Test Analysis: NFRs, HFRs & ...	10 Days -50 hrs
Subsea Production Systems & Technology	3 Days – 15 hrs
Production & Storage Tech: FDPSTO, FPSO, FSO & Oil Terminals	3 Days – 15 hrs
Carbon Capture & Storage: New Era in EOR	5 Days – 25 hrs

Well Control Assurance & Drilling Well Control Training Program

Description	Duration
Drilling Well Control: Introductory Level	4 Days – 20 hrs
 Drilling Well Control: Driller Level (with Simulator)	5 Days – 25 hrs
 Drilling Well Control: Supervisor Level (with Simulator)	5 Days – 25 hrs
 Advanced Well Control (with Workshop)	5 Days – 25 hrs
 Enhanced Well Control (with Workshop)	5 Days – 25 hrs
Well Intervention Pressure Control: Introductory Level	4 Days – 20 hrs
Well Intervention Pressure Control: Operator Level	4 Days – 20 hrs
Well Intervention Pressure Control: Supervisor Level	4 Days – 20 hrs
Well Control Assurance Training (WCA-T)	8 Days – 40 hrs
Task Force Commander Training (TFC-T)	6 Days – 30 hrs

Drilling Units & Vessels Training Program

Description	Duration
 Jack-up MODU (with Simulator)	3 & 2 ,1 Days
 Semi-submersible MPDU (with Simulator)	3 & 2 ,1 Days
 Dynamic Positioning: System, Principles & Design (with Simulator)	3 & 2 ,1 Days
 FPSO Operations (with Simulator)	3 & 2 ,1 Days
Rig Equipment Inspection	5 Days – 25 hrs

Safety in Upstream Sector

Description	Duration
 IADC RigPass (SPVE)	8 hrs
HSE in Drilling, Completion & Well Intervention Operations	5 Days – 25 hrs
 Abrasive Wheels Awareness (SPVE)	0.5 hr
 Confined Space Entry & Rescue (SPVE)	1 Day
 Confined Space Entry (SPVE)	1 hr
 Environmental Awareness (SPVE)	0.5 hr
 Excavation (SPVE)	1 hr
 H2S Awareness (SPVE)	0.5 hr
 H2S Respiratory Protection Awareness (SPVE)	1 hr
 Lifting Operation & Lifting Equipment (SPVE)	0.5 hr
 Scaffolding (SPVE)	1 hr
 Transportation of Goods by Sea (SPVE)	1.5 hrs
 Transportation of Goods by Air (SPVE)	1 hr
 Manual Handling Awareness (SPVE)	0.5 hr
 Manual Handling (SPVE)	0.5 hr
 Work at Height (SPVE)	1 hr
 Fall Protection (SPVE)	0.5 hr
 Hazard Awareness & Identification (SPVE)	1 hr
 Hazard Communication Awareness (SPVE)	0.5 hr
 Emergency Response & Evacuation (SPVE)	0.5 hr
 Fire Awareness (SPVE)	1 hr
 Fire Prevention & Extinguishing (SPVE)	0.5 hr
Fire Awareness (GWO)	0.5 hr
First Aid (GWO)	2 Days
Permit to Work (SPVE)	0.5 hr
Personal Protective Equipment (SPVE)	0.5 hr



Management & Analysis in Upstream Sector Training Courses

Description	Duration
Drilling Project & Risk Management	5 Days – 25 hrs
Advanced Drilling Project & Risk Analysis	10 Days – 50 hrs
Well Cost & Forecast	3 Days – 15 hrs
Reservoir Management	5 Days – 25 hrs
Managing Loss Time/ Loss Time Avoidance Workshop	5 Days – 25 hrs
Integrated Field Development Planning	5 Days – 25 hrs
Petroleum Finance and Accounting Principles	5 Days – 25 hrs

Technical Role-specific Training Courses

Description	Duration
Rig Mechanic Technical	5 Days – 25 hrs
Rig Electrician Technical	5 Days – 25 hrs
Roustabout Technical	5 Days – 25 hrs
Floorman/Roughneck Technical	5 Days – 25 hrs
Derrickman/Pumpman Technical	5 Days – 25 hrs
Driller Technical	5 Days – 25 hrs
Assistant Driller Technical	5 Days – 25 hrs
Toolpusher/Rig Manager Technical	5 Days – 25 hrs
Barge Master Technical	5 Days – 25 hrs
Offshore Installation Manager Technical	5 Days – 25 hrs

Note

All mentioned topics are available as CRB, ILVE, SPVE and BL learning approaches. But SSA approach is not applicable for all kind of trainings. Also, preparation time should be considered in case of changing default delivery approach of training. (CRB to SPVE e.g.)





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