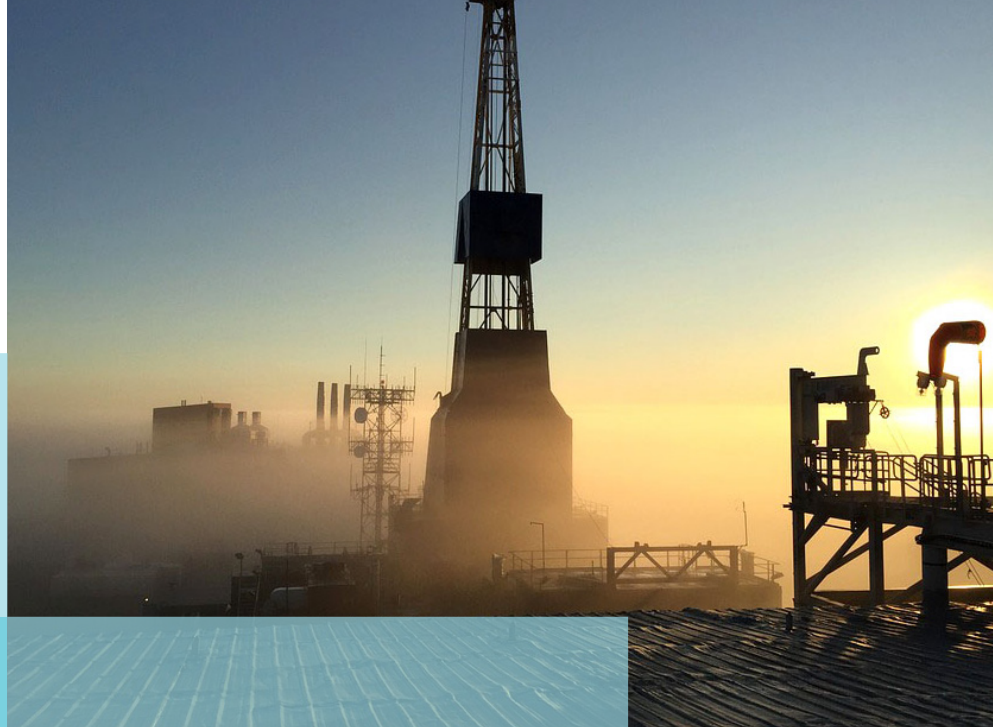


2019 COURSES

Muscat 23 – 27 SEP

Kuala Lumpur 28 OCT – 1 NOV



Advanced Well Cementing

Course Overview

Cementing is a critical function in well construction and maintenance. It is required to understand cement and additive chemistry, as well as lab procedures, placement and evaluation methods. After the completion of the course, the participants will be able to design, supervise the execution and perform cement job evaluation.

The course is covering the design, execution and evaluation of primary cementing such as cement and cementing additive selection, laboratory testing, cement placement, gas migration control, long term cement zonal isolation, cement bond log evaluation as well as remedial cementing (plug & squeeze). Case histories in complex environment such as deepwater, HPHT and horizontal wells will also be studied.

The participants will practice job design exercises, cementing calculations, as well as evaluation methods of cementing jobs using actual well data. Demos and case histories of cement design and software will be performed.

The course is designed for

**Drilling / Completion /
Production / Intervention
Engineers**

Well Site Leaders and
Superintendents

**Service Company
Technical, Operation
and Field Management
Personnel**

Drilling / Completion /
Production / Intervention
Managers

**Persons responsible
for all aspects of well
construction and operation**

Personnel responsible for all
aspects of well construction
and operation

Book here

www.esandaengineering.com
training@esandaengineering.com



Course outline

Introduction to Primary & Remedial Cementing

Objectives of Well Cementing

Characterization of API Cements

Cement Additives and Functions

Laboratory Testing, Equipment & Procedures

Rheology of Cementing Slurries

Flow Regimes & Mud Removal

Cement Spacers

Centralization & Pipe Movement

Cement Placement Simulators

Mechanical Properties of Well Cements

Cement Integrity Simulators

Formation Fluid Migration Prevention

Cementing for High Pressure and High Temperature (HPHT) Applications

Cementing for Deepwater Applications

Cementing for Horizontal Well Applications

Loss Circulation Prevention while Cementing

Cementing Equipment and Casing Hardware

Cementing Calculations

Cement Job QA/QC and Evaluation

Cement Bond Log Interpretation

Plug Cementing

Squeeze Cementing

Course instructor: Emmanuel Therond

Emmanuel Therond has more than 28 years experience in wells cementing technical and operation management. His current interests include zonal isolation and well integrity, loss circulation, cementing procurement and technology deployment.

Emmanuel has held senior technical and management positions for 20 years in a major service company and 8 years for an international oil company.

He has a wide experience working internationally with permanent field assignments in North Africa, West Africa,

the Middle East, the North Sea and the United States. Emmanuel has worked in a variety of Land, Offshore, Deepwater, HPHT, Horizontal, Unconventional and Well Abandonment projects.

His strong field experience, coupled with R&D engineering background, make him an ideal development professional in the industry.

Emmanuel is passionate about sharing personal knowledge and experience and motivated by achieving tangible results successfully as a team.

He has authored and co-authored several technical papers and holds nine patents to date. He was also representing his company as voting member at the API Cementing sub-committee.

Emmanuel holds an engineering degree (Diplôme Grande Ecole) from the Ecole Nationale Supérieure des Arts et Industries de Strasbourg, France.

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