

## Well Construction

Reference : FDE-E

### Who should attend

Fresh Drilling Engineers, Directional drillers, MWD&LWD engineers, Drilling Supervisors who want to improve their drilling knowledge. Fresh Engineers and new people in the drilling jobs would have an excellent start here.

### Instructor

Fawzi KERAANI

### Duration

5 days

### Location

Monastir

### Language

English

### Fees / Trainee

1 400 DT



**Fawzi KERAANI**

## Course Content

### BHA Design:

Design a Proper BHA for each well; choose the right drilling tools, taking in consideration the BHA behavior whether it will build or drop or both.

### Well Plan:

Design the well trajectory in order to hit all well targets with a minimum cost in the safest environment.

### Drilling Tools:

Explain all the drilling equipments that could be part of the BHA and the role of each of them and their potential value that could be added if used.

### Deflection Methods:

Explain the classic deflection methods namely the stabilizers on the rotary assemblies, the VGS, the motor and the RSS Systems, choose the appropriate system for each section drilled taking in consideration previous wells drilled and the client requirements.

### Bit Design:

Explain all types of bits and their designs and the effect of each feature they have to be able to understand their expected behavior when drilling down hole..

### Bit Selection:

The bit selection is a key factor to drilling success; it would affect the drilling vibrations, the ROP, the sliding efficiency. Selecting the right bit for the right application could be a decision that saves time and cost. DDs, Drilling supervisors, LWD/MWD hands and drilling engineers have to closely evaluate old bits and their history in the field and decide with bit they have to choose for the each section on the next well..

### Directional Drilling:

Understand the well trajectory, the maths involved in surveys calculations. Choose the right drilling parameters to be able to safely drill a well with an optimal ROP without deviating from plan or colliding with previous wells drilled.

Graduated from ENI-Sfax as Materials Engineer. 10 years in the field with Schlumberger as MWD, LWD Engineer and Directional Drilling engineer. Worked on latest advanced drilling technologies mainly in the Gulf area. He is Instructor in OGIM in 2013.