

A photograph of an offshore oil rig at sea. A flare on the left is emitting a bright orange flame. The rig's complex steel structure, including cranes and platforms, is visible against a blue sky with scattered clouds. The word 'Transocean' is visible on a part of the rig.

Drilling/Well Engineering & HSE

2 Days Fundamental Course

“We Aspire to Enrich Your Knowledge, Facilitate Job Placement and Interview Preparation of Your Career in Oil & Gas Industry”

Course Date: Once in a Month

Location: Ativo Plaza,
Bandar Sri Damansara,
Kuala Lumpur

**THINK PLUS
ACADEMY**

Course Outline:

Day 1 – Introductions to Drilling / Well Engineering

Video (20 mins)

Slide Presentation (78 Slides)

20 min. Video on Introduction to Drilling / Well Engineering (Shell / NAM).

Preparations & Permits, Environmental Regulations

Locations based on Seismic Surveys & other Factors

Mobilization of Rigs

Drilling Systems – Rotating, Hoisting, Circulating, Power & Supports

Casing of Hole & Cementing

Protection – Blow out Preventers (BOPs)

HOUSEKEEPING

Slide Presentation on Introduction to Drilling / Well Engineering

Insights into Costs, HSSE Hazards / Impacts, Consequence of Mistakes – Lives! Costs & Image!!

Avoid Blowouts & All Incidents especially Serious ones!

Drilling Units & Capabilities.

Drilling Rig Organization.

Types of Drilling Bits – Roller Cones, PDC.

Cellar, Conductor, Drill Top Hole, Run Surface Casing (Functions), Cementing.

Blowout Preventers.

Drill next Sections, Production Casing & Wellheads.

WELL CONTROL

CEMENTING

DIRECTIONAL DRILLING

Day 2 – Health, Safety / Security & Environmental

Videos & Slide Presentations on Health, Safety / Security & Environmental

Hazards & Effects Management Process (HEMP)

Prevention of Hands & Fingers Injury

Review of Incidents – Lessons Learnt



Who should Attend ?

- Anyone who wants to join offshore operations and drilling services
- Anyone who has less than 3 years of experience in the oil and gas industry.
- Certificates, Vocational, Diploma and Degree Holders in Petroleum and Geology related subjects are encouraged to participate

