



**Asia Masters Center**

# WELL ARCHITECTURE & EQUIPMENT



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## WELL ARCHITECTURE & EQUIPMENT

### ➔ Course Objective

- calculate different casing strings using the Drilling Data Handbook,
- select the right position of casing shoes,
- calculate the stress applied to the casing pipes,
- select the casings as per the constraints encountered while drilling,
- choose the right wellhead with regard to the casings used.

### ➔ Target Audience

- Young engineers, tool pushers, supervisors, other professionals involved or interested in well architecture.

### ➔ Course Outline

- **DRILLING & CASING PROGRAM**
- Role of casings.
- Parameters to be considered to determine well architecture:
- Well type.
- Pore and frac pressures.
- Completion, lithology.
- Different types of casings:
- Surface.
- Intermediate.
- Production.
- **WELLHEAD**
- Different elements.
- Wellhead assembly sequences.



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### ➤ **CHARACTERISTICS OF CASINGS**

- Geometric, physical and mechanical properties of the pipes, the connections.
- Use of Drilling Data Handbook.

### ➤ **SHOE POSITIONING**

- Hypotheses to be considered, casing point - Kick tolerance.
- Casing point - Kick tolerance.
- *Examples and exercises.*

### ➤ **CASING STRING CALCULATION**

- Principles and assumptions to remember for the different strings.
- *Stress cases study:*
- *Collapse.*
- *Burst.*
- *Tension.*
- *Triaxial study.*
- *Safety factors.*

### ➤ **The Feature Of Asia Master Training And Development Center**

- we pick up the customer from the airport to the hotel.
- we give the participant training bag includes all the necessary tools for the course.
- Working within groups to achieve the best results.
- All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
- We can assist you in booking hotels at discounted prices if you wish to book through us.
- We offer the certificate from Asia Masters Center for Training and Administrative Development.

➔ **The Cost Of The Training Program Includes The Following:**

- 1) Scientific article on flash memory.
- 2) Training Room.
- 3) Training.
- 4) Coffee break.
- 5) The training bag includes all the tools for the course.

**Price (USD)**

**Communicate with the training department  
to know the participation fees**

➤ **There are offers and discounts for groups**

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**Account name: Asia Masters Center SDN. BHD**

**Bank account number: 80-0733590-5**

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