

## *Safe Systems of Work in Gas Operations*

### *Course Outline:*

#### *Day 1: Health, Safety and Environmental Management.*

- Process Safety Management (PSM)
- Learning from incidents
- Hazards inherent in oil and gas
- Risk management techniques used in the oil and gas industries
- Work permit systems
- Safety Reports

#### *Day 2: Process Safety & standards*

- Mechanics of failure
- Safe containment of hydrocarbons
- Plant operation and maintenance
- Start-up and shut down
- Fire hazards
- Work in gas hazards and standards

#### *Day 3: Risk Assessment Techniques*

- Framework for risk assessment
- Hazard and Operability Study 'HAZOP'
- The Bow-tie model
- Inherent Safer design
- Safety Integrity Level 'SIL'
- Hazardous Area Classification

# EXPERT

EXPERT & PROFESSIONAL EXCELLENCE FOR TRAINING & CONSULTATIONS

## **Day 4: Fires, Explosions and Emergency Response**

- Fire and explosion in the oil and gas industries
- Types of fire & explosions
- Fire and explosion risk analysis
- Fire and explosion protective systems
- Emergency Plans and response

## **Day 5:**

- Recent technologies in safe workplaces
- Best practices
- Incidents prediction tools
- Usage of Ai in safety

<b>Location</b>	<b>Conrad Hotel</b>
<b>Start Date</b>	<b>14 July 2024</b>
<b>End Date</b>	<b>18 July 2024</b>
<b>Fees Before Discount</b>	<b>3500 \$</b>
<b>Special Discount</b>	<b>20% (To Nominate Four Participants)</b>
<b>Fees After Discount</b>	<b>2800 \$</b>