



Structural Steel Design for Oil & Gas Industry

18 - 22 Aug 2024
Cairo (Egypt)



Structural Steel Design for Oil & Gas Industry

Ref.: 15627_317734 **Date:** 18 - 22 Aug 2024 **Location:** Cairo (Egypt) **Fees:** 3500 **Euro**

Course Content:

- **Steel Properties and Grades**
 - **Steel Properties**
 - **Structural Shape Selection**
- **Structural Design Philosophy**
 - **Limit State Design and Allowable Stress Design**
 - **Commonly Used Codes and Standards**
- **Loading and Load Assessment**
 - **Dead and Live Load**
 - **Wind and Environmental Load**
 - **Load Conditions and Combinations**
- **Beam and Frame Analysis**
 - **Bending Moment and Shear Calculations**
 - **Truss Analysis**
- **Structural Member Design**
 - **Considerations for Member Selection**
 - **Member Check and Unity Ratio**
 - **Deflection Check**
 - **Member Failure Modes and Solutions**
- **Connection Design**
 - **Welded Connection**



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- **Bolted Connections**
- **Design of Bearing Stiffeners**



**Registration form on the :
Structural Steel Design for Oil & Gas Industry**

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