



## Structural Steel Design for Oil & Gas Industry

29 Sep - 03 Oct 2024  
Manama (Bahrain)



# Structural Steel Design for Oil & Gas Industry

**Ref.:** 15627\_317755 **Date:** 29 Sep - 03 Oct 2024 **Location:** Manama (Bahrain) **Fees:** 5500 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 :  
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