

# RATHEESH GOPALAN

## OFFSHORE STRUCTURAL ENGINEER



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### Professional Profile

- ❖ Highly effective and competent Structural Engineer with more than three years of Hands on experience in the Oil and Gas industry.
- ❖ Knowledge in design engineering activities of FPSO topside structures ,Fixed platforms and Pipe racks design.
- ❖ Handled offshore and Onshore Projects
- ❖ Exposure to EPC and client business area.
- ❖ Team player with high integrity, driven and technically competent with a keen sense for business. Excellent communications skills with outstanding ability to motivate teams and to work with all organizational layers effectively.

### Areas of Expertise

- ❖ Offshore Fixed Platforms (Topsides)
- ❖ Offshore structure (Topsides resting on FPSO)
- ❖ Onshore Pipe racks
- ❖ Connection Design
- ❖ Quality Management

### Software Skills

- ❖ Structural analysis and Designing Software: SACS, STAAD Pro.
- ❖ Navis works and SP3D review for interface with different disciplines.
- ❖ Other: AutoCAD, MATHCAD, STAAD Offshore, MS Office Package.

### Standards Familiar with

- ❖ American
- ❖ Indian
- ❖ European

### Career Summary

Offshore Structural Engineer ▪ July 2013 - Present

Saipem India Projects Pvt. Ltd ▪ Chennai , India

Structural Analysis & Design of steel structures, inter departmental co-ordination, Co-ordination with the drafting work as per project schedule & requirement, checking of drawings, preparation of calculation notes etc.

### Key Project Experience

#### 1) AL-Zour Refinery Project (Detailed Engineering)

- ❖ Year -December 2016 – Till Date
- ❖ Client –KNPC
- ❖ Location-Kuwait
- ❖ Area of Responsibility-Working as Design engineer. Work includes in place analysis, Preservice analysis and Seismic analysis of Pipe rack using STAAD pro V5.i software, Connection design for the pipe racks and preparation of calculation notes.

#### 2) KAOMBO FPSO Project (Detailed Engineering)

- ❖ Year- Nov 2014-Nov 2016
- ❖ Client- TOTAL
- ❖ Location-Angola

- ❖ Area of Responsibility –Working as Design Engineer. Work includes in place, Transportation, Design of secondary structure and Blast Analysis for the Pipe Rack using SACS software.  
The design of secondary structures in Module which includes Handling structures, Joist, Plate, Equipment supports, Stair Tower, Pipe supports and Tertiary access platforms.  
Coordination with other engineering disciplines for the detail engineering of structure.  
Coordination with drafting team for the preparation of drawing & checking of drawings.  
Preparation of standard design spreadsheets.  
Review of vendor documents for interfacing.

### **3) YAMAL LNG PROJECT (Detailed Engineering)**

- ❖ Year- March 2014-Nov 2014
- ❖ Client-TOTAL
- ❖ Location-Yamal
- ❖ Area of Responsibility-Working as Design Engineer .Work includes In place analysis, transportation analysis and design of Secondary structures in AGR-02 module and prepared calculation note for the AGR-02 module.

### **4) BADAMYAR PROJECT (Proposal)**

- ❖ Year -Feb 2014-March 2014
- ❖ Client –TOTAL
- ❖ Location-Singapore
- ❖ Area of Responsibility-Working as Design Engineer .Work includes lift analysis of WHP Jacket.

### **5) ONGC C Series (Detailed Engineering)**

- ❖ Year –July 2013 –Feb 2014
- ❖ Client –ONGC
- ❖ Location –Mumbai High
- ❖ Area of Responsibility- Working as Design Engineer .Work includes Lift Analysis and Transportation Analysis for the Topside. Involved in main connection designs.(Beam to Beam. Ring plate design, Gusset plate Design).

### **Personal Skills**

- ❖ Initiative and willingness to take risk.
- ❖ Perseverance and Flexibility
- ❖ Creative Thinking
- ❖ Critical Thinking
- ❖ Awareness of One's Personal Knowledge, Skills and Attitudes
- ❖ Curiosity and Lifelong Learning
- ❖ Time and Resource Management

### **Education**

Mar Athanasius College of Engineering ,MG University, India  
Completion Date: May 2013 ▪ Bachelor of Technology in Civil Engineering (80%\_First class with Distinction)

### **Personal Details**

DOB:16/08/1991  
Languages: English, Malayalam, Hindi, Tamil  
Nationality: Indian

**Achievements**

Volunteering for BHUMI (NGO) by undertaking the role of English tutor to children at an orphanage in Chennai.

**References**

Available Upon Request