

DEEPAK K N

Offshore Structural Engineer



ADDRESS

Near Al Arab mall,
Al Taawun
Sharjah, UAE

MOBILE

+ 971525969509
+ 919995492242

EMAIL

deepakkn85@gmail.com
Skype ID: deepakkn85

PROFESSIONAL SUMMARY

An Engineering post graduate with excellent experience in the structural design and project management. Possess strong technical knowledge in offshore Installation engineering and construction engineering and a keen desire to achieve greater heights through a career, where I can utilize my skills and knowledge in an efficient manner for the overall growth of the organization as well as my professional fulfillment.

KEY COMPETENCIES

- ❖ **9+ years** of experience in **marine and offshore design/installation**
- ❖ **Inquisitiveness to learn** and grasp as much of any situation
- ❖ **Positive Attitude** and adaptable to changes
- ❖ **Leadership and Trust** ,Self-Driven, **sets high benchmark**
- ❖ Articulates with ease, **people driven** and committed to deliver results
- ❖ Inspires positive change, and **leads by example**
- ❖ **AISC,API-RP-2A,DNV,ASME**
- ❖ Ability to prioritize tasks with **high degree of flexibility** with time bound action

WORK EXPERIENCE

OFFSHORE STRUCTURAL ENGINEER-T&I SAIPEM SpA (on contract)

01/2021 to Present
Sharjah, UAE

- Tie-in spool Lift analysis for various sizes. Concrete Mattresses and sleepers lift rigging checks, sea fastening analysis for stanchions.
- Flex reel lift rigging check and buoyancy tank plate design analysis.
- Iluc garage frame designing and analysis. Laydown head check.

Projects & Exposure

- **LTA-35 Water injection facilities and shallow water pipelines for marjan increment**
Client: **Aramco Overseas Company B.V (Saudi Aramco).**

PROJECT ENGINEER-STRUCTURAL TERMINAL SUBSEA SOLUTIONS (TSS MARINE)

01/2020 to 08/2020
Abu Dhabi, UAE

- Lift rigging of anchor piles/chains and structural arrangement checks required for project.
- Procedure development and Engineering review for Anchor pile installation and chain lying.
- Scheduling of offshore installation plan and check list. Arranging the vessel layout plan.
- Collaborate with contractor and sub-contractors for smooth project execution.

Projects & Exposure

- **Replacement of TB-3 Mooring System (Anchor piles and Chains)**
Valentine Maritime (Gulf) LLC (VMGL), Abu Dhabi, UAE.
Client: **ADNOC OFFSHORE, UAE.**

PROJECT STRUCTURAL ENGINEER SUPREME HYDRO ENGINEERING PVT. LTD (SHEPL)

01/2019 to 10/2019
Mumbai, INDIA

- Controlling of engineering activity as per client updates and effectively communicates with offshore team and check fabrication works are carried on time to meet project objectives.
- Lift analysis and rigging report review and procedure preparation for the installation of Riser Tie-in spools. Design checks, review of 8" Riser and J-tube installation outrigger platform
- Make sure construction hazards and risks are fully considered. Initiate and manage the project continuous improvement processes.
- Lift rigging check approval for barge bumper, stabbing pin installation. Assist for cable laying and hot tapping engineering and procedure.

PROFESSIONAL STRENGTHS

- **Offshore Lift analysis** and lift rigging checks for risers, spools and other structures.
- **Yard visits onshore/offshore** during installation and overseeing the fabrication work as required.
- **EPMC for pipeline installation** (offshore and onshore) and piping for EPIC work
- **FEA analysis**- knowledge of Analysis and design software.
- **Design calculations** and **fabrication drawing checks** of structures.
- **Quality check** of engineering deliverables (Reports, Drawings).
- **Project planning** and execution comprising engineering teams, semi-skilled teams.
- **Fabrication and Installation** work and personnel handling.
- Production engineering & process planning and control with exposure in ERP software.
- **Multi project management**-prioritizes and executes tasks in high pressure situation

PERSONAL DETAILS

Indian Citizen
DOB: 3rd, July, 1985

PASSPORT DETAILS

Passport No: P 8249344

UAE DRIVING LICENSE

Yes, valid till 2024

Projects & Exposure

- **Neelam Re-Development project (NRDP) and Bassein Development 3 well platform & pipeline project (BD3WPP)**
L&T Hydrocarbon Engineering, India
Client: **ONGC (Oil and Natural Gas Corporation)** , India.

PROJECT/STRUCTURAL ENGINEER ADVANCED ENGINEERING SOLUTIONS (AES)

06/2016 to 12/2018
Kochi, INDIA

- EPMC for EPIC pipeline installation (offshore/onshore) and piping work. Coordinate and handle project activity not limited to Engineering, design, safety and other onsite issues.
- Design and analysis of 20m gangway and to check structural integrity during lifting (Installation) along with lift rigging checks for the pontoon.
- Lift analysis and rigging report preparation for the installation of 6" and 12" Riser Tie-in spools.
- Monitoring the site preparation activity for pipeline pull and doubling of pipe with proposing mitigations and solutions to resolve problems.
- Approving lift plan and ensuring relevant personnel during the installation of Marine Loading Arm (MLA, 2no.s) at offshore unloading jetty.
- Check on shore pipeline installation (incl. OFC cables), erection of receiving station launcher, valves and other piping work with hydro test.
- Ensuring contractor produces appropriate execution documents in a timely manner and check for approval. Review look ahead schedules & ensure it is communicated well.
- Reviewing site activities for potential contractual / claims problems. Maintain records of site activities and check Contractor records for accuracy.
- Review Detail Engineering Documents/ Drawings with Project scheduling and controlling of engineering activities based on the project objectives.
- Carry out inspection, surveillance witnessing of contractor activities, ensuring records are maintained, including as-built data.
- Scope of work is carried out without any significant HSE incidents.

Projects & Exposure

- **PMC and Design review of "OSTT JETTY - SS JETTY SUB SEA PIPELINE PROJECT"** with D'APPOLONIA Mumbai Office (Subsidiary of **RINA, ITALY**)
Client: **HPCL (Hindustan Petroleum Corporation Ltd.)** India
- **Neelam Re-Development Project for B-173AC segment**, Lift and rigging analysis
SHEPL, L&T Hydrocarbon Engineering, India
Client: **ONGC (Oil and Natural Gas Corporation)** , India.
- **Design, construction and commissioning of pontoon** at K-Boat
SECO (Southern Engineering Company) Kenya
Client: **KPA (Kenya Ports Authority)** Kenya.

STRUTURAL ENGINEER – Offshore Installation VALENTINE MARITIME (Gulf) LLC

10/2013 to 06/2016
Abu Dhabi

- Lifting and upending analysis
 - ✓ Lift analysis for risers, spool, and Piggable wye.
 - ✓ Checking, reviewing of the prepared drawings.

ACADEMIC PROJECTS

- “Scattered acoustic pressure field inside closed multilayered structures”
- A **One-year FEM** project done at **NPOL**-Naval Physical and Oceanographic Laboratory (**DRDO**).
- Various multilayered structures are modeled and analysis is done to determine the pressure field for a given set of frequency range using finite element / boundary element code, **PAFEC**.

IT SKILLS

FEM software

- STADD PRO, SACS, GRLWEAP, PAFEC, ANSYS

Design software

- Pro-E, AUTO CAD, MATHCAD

Languages

- C, C++

LANGUAGE SKILLS

- English
- Malayalam
- Hindi
- Tamil

CERTIFICATIONS

Non-Destructive Testing

- ASNT-Level 2 (UT, PT, RT, MT)

- Lifting, Rigging Report and Padeye and rigging details calculation
 - ✓ Feasibility study for lifting, rigging checks of Jackets, Topsides, PLEM, bridges, Pile as stipulated in guidelines/code.
 - ✓ Checking and issue of rigging details, Lift Drawings.
- Structural analysis of Frames and barge structures.
 - ✓ Structural check of Mono Rail arrangement, Testing frames.
 - ✓ Structural check of working platform, Pig protector frame, A-frames.
 - ✓ Under deck support and strengthen check. Review the construction Drawings.
- Design, calculation and fabrication drawing checks of pull heads.
 - ✓ -Shorepull/Laydown/Emergency laydown heads of various sizes (6", 8", 12", 14", 18", 20", 26", 36" and 48" pipelines).

Projects & Exposure

- Satrah Al Razboot Field Development project (SARB)
ADMA-OPCO (Abu Dhabi Marine Operating Company) now **ADNOC OFFSHORE ABU DHABI**
- Mumbai High North Re-Development phase III Pipeline Project
OIL AND NATURAL GAS CORPORATION LIMITED (ONGC) INDIA
- Project Installation work under C-26 cluster and B-173AB well head Platform
OIL AND NATURAL GAS CORPORATION LIMITED (ONGC) INDIA
- EPC - surface facilities at hail field development Project
ABU DHABI OIL COMPANY (JAPAN) LTD ABU DHABI
- Al Shaheen field Pipeline Installation project
MAERSK OIL QATAR (MOQ) QATAR

STRUCTURAL ENGINEER

GREEN PALM MARINE CONSULTANCY

03/2013 to 09/2013

Kochi, INDIA

- Handling of various projects and engineering deliverables as per the client update.
- To lead and work with the engineering teams for timely completion of project.
- Lifting and upending analysis, Lift rigging checks and calculations

PROJECT ASSOCIATE

DEPARTMENT OF SHIP TECHNOLOGY CONSULTANCY-DESCON

Cochin University of Science and Technology

11/2010 to 2/2013

Kochi, INDIA

- A challenging R&D Project for Japanese ship classification society, **CLASS NK**.
- To develop Inland Vessel Structural Rules/codes and Regulations based on new vessel design.
- Calculations based on codes and standards as stipulated by classification societies Bureau Veritas, Germanischer Lloyd, Indian Register of Shipping, Class NK, and Lloyd's Register.

EDUCATION

2008 - 2010

Department of Ship Technology, Cochin University of Science and Technology, Kochi. INDIA

Master of Technology Degree in Computer Aided Structural Analysis and Design

2003 - 2007

Hindusthan college of engineering and Technology, Anna university, Tamilnadu. INDIA

Bachelor of Engineering - Mechanical