

# PAWAN KUMAR PATHAK



**Position Applied:** Senior Piping Engineer/Designer  
**Experience:** 15 Years Experience in Shipbuilding and Oil & Gas industry  
**Email:** pawan301@gmail.com  
**Mobile Number:** +91-8147578783  
**Nationality:** Indian  
**Sex:** Male  
**Passport Number:** R7623662

## TECHNICAL QUALIFICATION:

Bachelor of Mechanical Engineering, Year 2005

## EXPERIENCE

- Work experience in Oil & Gas industry, worked on offshore facilities such as, FPU, FPSO's and Marine facilities such as Oil Tanker, Anchor Handling, Tug, Seismic Survey Vessel, Muti purpose barge, Ro-Pax Passenger, Naval Vessel. I have performed different roles and responsibility in different projects.
- Worked in the engineering phase of the project and were involved in reviewing the documentation related Piping System specification as per the client project specification.
- Experience in commissioning phase of the project and was involved in preparing & reviewing commissioning Documents.
- Liaise with vendor, contractor, and project team to meet the project schedules.  
ECR (Engineering Change request) during any modification/changes to be carried out in system.
- Areas of Expertise  
Knowledge of class rules and regulations of classification society ABS, BV, DNV-GL, IRS, SOLAS, MARPOL.  
Familiar with piping codes and standards like ASME, Shell, API, JIS, ASTM, DIN,  
Software skills like PDMS, Aveva Marine, Auto-cad, Cadmatic, Foran, Tribon.  
Good communication skill to deal with Engineers, Client and Yard people.  
Experience in project planning and scheduling of work & execution of work as per planning and requirement of project.  
Sea trial experience of different ships that I have worked.  
To prepare the technical specification of Equipment, Bulk material order,  
Prepare Project piping standard, Pipe specification, Piping treatment required for special piping system as per the environment.  
Experience in commissioning of different piping system.  
Piping pressure drop calculation using soft-ware Pipe-flow.

## Major Projects

- **Obbola PM2 Project, Client-Voith since January 2021 to till date, Project Lead, Expert Global Solutions Pvt. Ltd. Pune, India**

Job Responsibilities: Responsible for preparation of arrangement drawing, Isometric drawing, MTO for different Piping systems as per project standard. Reviewing specifications for piping systems.

**Working Software:** PDMS

**Standard Followed:**

**Obbola PM2:** Standard used API, ASME, ASTM.

- **Shell Whale FPU Project since August 2019 to July 2020, Piping Engineer, Sembcorp Marine Ltd. Singapore**

Job Responsibilities: Responsible for reviewing specifications for piping system, Review and comments the Vendor drawings and documents, to model the Pipe and Pipe support, to prepare the Piping layout drawings. Piping support drawing.  
To prepare the Engineering warehouse database for piping system.

**Working Software:** Aveva Marine

**Standard Followed:**

**Shell Whale:** Shell standard, Designed by Jacob Engineering.

- **Karish & Tanin FPSO Project since Feb 2019 to July 2019 – Hull and LQ Engineer, Sembcorp Marine Ltd. Singapore**

Job Responsibilities: To model the HULL and LQ piping support, to prepare the piping support drawing. To liaise with different discipline to meet the project requirement and troubleshoot the interference issues.

**Working Software:** Aveva Marine

**Standard Followed:**

**Karish & Tanin :** Designed by Technip FMC, Standard used ASHRAE, ASME, ASTM, API.

- **Shell Vito FPU Project since July 2018 to Jan 2019, Piping Engineer, Sembcorp Marine Ltd. Singapore**

Job Responsibilities: Responsible for reviewing specifications for piping system, Review and comments the Vendor drawings and documents, to model the Pipe and Pipe support, to prepare the Piping layout drawings. Piping support drawing.  
To prepare the Engineering warehouse database for piping system.

**Working Software:** Aveva Marine

**Standard Followed:**

**Shell Vito:** Shell standard, Designed by Jacob Engineering.

- **Harbour Tugboats, Oil Tankers since – July 2017 to Jun 2018, Lead Outfit Engineer, SeaTech Solution International Pvt. Ltd. Mumbai, India**

Job Responsibilities: Leading the team of piping engineer and modeler to and put effort in completing the project on time, to send the drawings to Class and Owner approval. Preparing variation order in case of change in basic design by estimating man-hour need to change the 3d model and for production drawings. Checking the 3d model to review whether it is according to class and owner specification requirement and following Solas and Marpol rules.

**Working Software:** Foran

**Standard Followed:**

**Harbour Tug and Oil Tanker:** Designed by Seatech Integrated Technology Pvt. Ltd  
Standard used JIS, API.

- **DP2 ROV Vessel, TATA Plant Design and NDC DIYINA RIG Since – Feb 2014 to May 2017, Lead Outfit Engineer, Conceptia Software Technologies Pvt Ltd. Bangalore, India**

Job Responsibilities: Leading the team of engineer and modeler to get complete the project on time. Prepare Technical document for Equipment purchase like Pump, OWS, STP, valves, Pipe fittings etc. for different project. Interacting with client on project status and changes in basic design and its effect on 3D Model. Preparing variation order in case of change in basic design by estimating manhour need to change the 3d model and for production drawings. Checking the 3d model to review whether it is according to class and owner specification requirement and follow Solas and Marpol rules. Conducting inhouse training for fresher. Attending meeting with yard and owner. Visiting yard in Dubai to support production team for repair vessel.

**Working Software:** Tribon, PDMS

**Standard Followed:**

**DP2 ROV Vessel & NDC DIYINA RIG:** Standard used API, ASME, ASTM.

- **Offshore Survey vessel, Since - Feb 2012 to Aug 2013, Piping Engineer/Supervisor, Oakwell Engineering International Pvt. Ltd. Thailand**

Job Responsibilities: Site Supervision and implementation of the job as per drawing and specification of the project. Preparing the spool fabrication schedule according to priority. Supervision of workshop activities and assigning the work to pipe fitters and welder after discussion with workshop supervisor. Allocation of works among different Piping Supervisors. Maintaining the status of various test pack preparation, Submission to QC and test approved from QC, Owner and Class. Attending weekly progress meeting with project department and Owner. Attending Hydro Test of different Piping system during commissioning stage.

**Working Software:** Foran

**Standard Followed:**

**Offshore Survey vessel and Seismic Survey Vessel:** Standard used API, ASME, ANSI.

- **Seismic Survey Vessel, since – Feb 2012 to Aug 2013 Piping Engineer/Supervisor, Oakwell Engineering International Pvt. Ltd. Thailand**

Job Responsibilities: Site Supervision and implementation of the job as per drawing and specification of the project. Preparing the spool fabrication schedule according to priority. Supervision of workshop activities and assigning the work to pipe fitters and welder after discussion with workshop supervisor. Allocation of works among different Piping Supervisors. Maintaining the status of various test pack preparation, Submission to QC and test approved from QC, Owner and Class. Attending weekly progress meeting with project department and Owner. Attending Hydro Test of different Piping system during commissioning stage.

**Working Software:** Foran

**Standard Followed:**

**Offshore Survey vessel and Seismic Survey Vessel:** Standard used API, ASME, ANSI.

- **Amphibious Ship, Naval Project, Since – Jun 2010 to Jan 2012 Outfit Engineer, Singapore Technologies Marine Ltd. Singapore**

Job Responsibilities: To review the basic design drawing, to prepare the schedule of piping details drawings, to prepare the BOM, to model the piping system like Engine service and ship utility system. To prepare detail layout drawings of piping system, to prepare the isometric spool drawings of piping system. Attended sea trial as a representative from Marine system.

**Working Software:** Tribon

**Standard Followed:**

**Amphibious Ship:** Standard used API, ASME, ASTM.

- **Louis Dreyfus Armatures, RO-PAX 1200 Ferry, Since – Jun 2008 to May 2010 Outfit Engineer, Singapore Technologies Marine Ltd. Singapore**

Job Responsibilities: To review the basic design drawing, to prepare the schedule of piping details drawings, to prepare the BOM, to model the piping system like Engine service and ship utility system. To prepare detail layout drawings of piping system, to prepare the isometric spool drawings of piping system. HVAC ducting modelling and layout drawing of accommodation and cargo area. Discuss the technical issues with Owner, production and inter discipline Engineers. On-board visit to provide the solution to the production related issues with production counterpart and contractor.

**Working Software:** Tribon

**Standard Followed:**

**RO-PAX 1200 Ferry:** Standard used API, ASME, JIS.

- **Anti-Submarine Warfare, Since – Jan 2006 to May 2008, JSM Technologies Pvt. Ltd. Pune, India**

Job Responsibilities: To prepare the as-built drawing based on on-board drawing mark-up. To prepare the nesting plan for structural part of the Ships. To model the piping and outfit equipment, equipment foundations, cables. To build up the 3D database of pipe fittings and valves.

**Working Software:** Tribon

**Standard Followed:**

**Anti-Submarine Warfare:** Standard used API, ASME, ASTM.

I, hereby declare that the above furnished details are true to the best of my knowledge.

**PAWANKUMAR PATHAK**

Engineer – Piping