

AJITHKUMAR.S

OBJECTIVE& SUMMARY

- To obtain my challenging career in the field of Design & Detail Engineering in Static & Package Equipment of Oil & Gas, Petrochemical industry.
- Having 5 years' experience in oil & gas engineering in Mechanical Design and Review Detailing of static Equipment Like pressure vessels (KO DRUM, 2 & 3 Phase separator, MXBed, Deaerators, storage vessel, Blow down tank, Rich ammine vessels) ,Heat exchangers (Shell & tube BEM,AEM, AEL,BEL), Basket Strainers, Filtration pressure vessel.
- Exposure in Thickness calculation & Rating selection for Nozzle Flanges in pressure vessels, Review GAD, Prepare Mechanical calculation, BOQ, Technical Proposal, Vendor Data sheet Review.

PROFESSIONAL EXPERIENCE

1) M/s. BGR

BGR TECH engineering private limited, Chennai.

(Aug 2023 to till date).Mechanical & static, Equipment Design Engineer.

Key Responsibilities

- Prepare the Mechanical calculation in PV- Elite for pressure vessels &(Heat exchangers as per HTRI report).
- BOM preparation for Work orders.
- Design the Static & Package Equipment as per data sheet (Pressure vessel & Heat Exchanger (shell & tube, Air cooled Heat Exchanger) As per ASME sec 8 Div-1, TEMA, API 12K.
- Attend the KOM with client \customer.
- Technical Discussion/clarification with vendor, sub-contractors.
- Prepare Technical specification (TDC) For procuring Materials like plates, pipes, Flanges, Fitting, Tube sheet.
- Allocate the works to Engineers & Draughtsman to prepare GA drawing& Detail drawing
- Experience in Frond end & Feed Engineering department.
- MDC, GA drawing issue to project for client submission approval.

- Data sheet preparation for pressure vessels as per Process Design & Customer specification for Package Equipment.
- Sub Vendor Documents & GA drawing review and approval.
- Submit U-stamp Pressure vessel MDC & GA Drawing for AI approval, Attend U stamp Audits.
- Monitoring all the drawings and documents revision status ShopFabrication Drawings issued to all departments

2) M\s. Sungov Engineering private limited

Chennai(oct.2019 To July 2023) Designation-Static Design Engineer.

- Prepare the Mechanical calculation in PV- Elite for pressure vessels & Basket Strainers.
- BOM preparation for Work orders.
- Design the Equipment's as per data sheet (Pressure vessel & Heat Exchanger (shell & tube, As per ASME sec 8 Div-1, TEMA.
- Technical Discussion/clarification with vendor, sub-contractors.
- Prepare Technical specification (TDC) for procuring Materials like Plates, pipes, Flanges, Fitting, Tube sheet.
- MDC, GA drawing issue to project for client submission approval.

LIST OF PROJECTS WHICH ARE HANDLED IN SUNGOV:

- Supply of Strainers for with amine treating unit at Numaligarh Refinery Expansion Project (EPC Contractor: ThyssenKrupp Industrial Solutions (India) Private Limited).
- Supply of knock out drums pressure vessels Numaligarh Refinery Expansion Project (EPC Contractor: ThyssenKrupp Industrial Solutions (India) Private Limited)
- Knock out Drum 1500x 12mm Thick from Indian Oil Corporation Limited.
- Supply of Active carbon filter with steam tracing pipeline [ACF], IOCL Projects.
- Shell & Tube Heat exchanger Class "R" Type BEM From SANMAR
- U-STAMP (ID 2000 X 32mm thickness) vessels of IOCL Rich ammine flash Drum fromTechnip vendor.

- U-STAMP (ID 1500 X 50mm Thickness) 3 Phase Separators From AEH (Allied Energy hydrocarbon).
- Package Equipment Water Bath Heat treater For softened water as per API 12K From CAIRN INDIA
- Storage Vessel for Diesel For CAIRN INDIA.
- Supply of Dual media filter (DMF) for client Bharath Petroleum Corporation limited.
- Supply of Simplex Basket strainers with U" stamp. Polymer for Saudi Basic Industries Corporation (SABIC)
- Supply of Simplex Basket strainers, NRPS Simplification for Petroleum Development Oman (PDO),

STRENGTH

- Good knowledge of Oil & Gas field of Static equipment & Piping.
- Sound knowledge of Manual and software Design calculations
- Able to work on multi projects at time
- Ability to handle a team and able to work under pressure independently
- Sound knowledge of International Codes like ASME SEC.8 Div.1 ASME Sec.II Part A & D, ASME B16.5, B16.47, B16.11, B16.9, B16.20 etc., ANSI, ASTM, etc.
- Sound knowledge of materials like below
 - Carbon steel Plates, Pipes, Forgings, castings & Fittings like SA516 Gr.60/70, SA106 Gr.B, SA105, SA266, SA179, SA234, SA350 LF2 CL2
 - Austenitic Stainless-steel Plates, Pipes, Forgings and Fittings like SA-240, SA-312, SA-182, and SA-403. Etc.
- Good working Experience in Specification of EIL, IOCL, NRL, ADNOC.
- Sound knowledge in Project BOM preparation.

SOFTWARE SKILLS.

1. PV-Elite.
2. Auto cad.
3. HTRI.

EDUCATION

- B.TECH in Mechanical Engineering with first class (DR.M.G.R Educational Research University) Madhavavoyal Chennai -2023.
- DME- Diploma in Mechanical Engineering with first class (Sri Nalallaghu polytechnic college.) Puzhal Chennai-2018.

PERSONAL DETAILS

Name : S.Ajith Kumar

Date of Birth: 19/12/1999

Sex: Male

Father's Name: K. Srinivasan.

Location: Chennai

Marital Status: Single

Religion & Nationality: Hindu & Indian

Language: Tamil & English