

Position Title: Static Equipment Engineer

Reporting to: Engineer

Job Purpose: Experience in Detail Engineering and supervision on construction site.

PMT (Project Management Team), PMC (Project Management Consultancy) and Procurement activities (Preparation of Mechanical Data Sheets, Mechanical Calculations, Equipment Specifications, Material Requisition, Technical Bid Evaluation, Technical Recommendation, Purchase Specification, Review of Vendor Data & Drawings), for Static Equipment & Packages in the field of Oil & Gas projects.

He/she is responsible for the quality and integrity of the Static Equipment of the SGCCUP facility and involves him-/herself with the day to day activities of the EPC Contractor by defining interfaces, resolving queries and interpreting owner requirements.

Project Status: Start of EPC phase. PMC will relocate to Design offices for the detail engineering of the Execution Phase, after which team will relocate to Uzbekistan (in Karshi) for the construction, commissioning and start-up stages. . .

Key Responsibilities:

- ✓ Supervise Contractor's activities with regards to quality and schedule of the project.
- ✓ Review, comment and approve deliverables produced by Contractor-PMC-SGCC. The Documents/Deliverables for review/approval including Project Specifications, Mechanical Data Sheets, Material Requisitions, Technical Bid Evaluation Reports, Vendor Data and Drawings.
- ✓ Review Contractor's Deviation/Concession List for its acceptance or rejection.
- ✓ Attend various meetings, workshops like P&ID Review, HAZOP, HAZID, 3D Model Review, HFE etc.
- ✓ Coordinate with Contractor and the SGCC Line Department in order to resolve issues and concerns.
- ✓ Attend FATs for various equipment and packages at vendor's shop at domestic and overseas locations.
- ✓ Visit project site for verifying and closure of punch-list created during FATs.

Major equipment handled

- ✓ Pressure Vessels: Reactors, Distillation Columns, Strippers, Deaerators, Separators, Filters, Drums.
- ✓ Heat Exchangers: Shell and Tube, Plate and Frame,
- ✓ Shell and Plate, Air Fin Coolers.
- ✓ Fired Heaters – Primary Reformer, Charge Heater, Hot Oil Heater.
- ✓ Boilers: Water Tube D-Type Boiler, Waste Heat Boiler.
- ✓ Flares: Ground Flares, Elevated Flares, Finger Flares.
- ✓ Storage Tanks: Large Atmospheric Storage Tanks to API 650, Double Wall Refrigerated Ammonia Tank, Small Pressure Storage Tanks to API 620.
- ✓ Pig Launchers and Receivers.

- ✓ Mechanical Packages: Glycol Dehydration, Nitrogen Generation, Instrument Air Generation, Chemical Injection, Vacuum System, Produced Water, Diesel Centrifuge, Fuel Gas, Potable Water Maker
- ✓ Scope can be adjusted depending on applicant's experience level.
- ✓ Clarifying OWNER Scope interpretations for the Licensors and EPC Contractor, thus ensuring consistency of the relevant process units to the overall plant philosophies and standards, including local requirements.
- ✓ Ensure EPC Contractor process engineering work are implemented and completed in accordance with the scope, schedule and other contract requirements with quality of high standard and integrity.
- ✓ Developing an understanding of the overall plant to enable the assessment of impacts on the overall plant by decisions taken with the process unit's static equipment for which he/she is responsible.
- ✓ Develop input into Engineering Track Quality plan and identify critical areas for design verification consideration.
- ✓ Attending all process reviews, safety and risk reviews relevant to the specified units and to comment based on sound engineering competence
- ✓ Reviewing all technical documentation relevant to the specified units for quality, consistency and compliance to OWNER requirements.
- ✓ Ensuring that actions emanating from the technical reviews are addressed timeously and effectively to ensure that technical intent and integrity is maintained, with minimal cost and schedule impact.
- ✓ Give inputs in reviewing and evaluating any cost and schedule proposals received from the EPC Contractor and respective VENDORS involved with EPC scope.

Education and expertise degree:

- ✓ Engineering or related degree (Must);

Codes and Standards

- ✓ Pressure Vessels and Pressure Parts: ASME Sec VIII Div.1 and Div.2, PD 5500, NACE 0103, 0175.
- ✓ Heat Exchangers: API 660, API 661, API 662, TEMA.
- ✓ Fired Heaters: API 560, API 530, API 535.
- ✓ Boilers: ASME Sec 1
- ✓ Flares: API 537, API 521, ASME STS-1.
- ✓ Storage Tanks: API 650, API 620, API 653, API 2000.
- ✓ Pig Traps: ASME Sec VIII Div.1 (UG35) and Div.2 (Part 4, 4.8) for Quick Opening Closures.
- ✓ Hull Equipment: DNV, NMD, SOLAS, LSA

Related experience required:

- ✓ Minimum of 10 - 12 years of project execution experience of large scale projects.
- ✓ Large / complex / international project experience.
- ✓ Experience in the chemical / petrochemical project environment
- ✓ Experience from the owner side as opposed to EPC or EPCm experience is preferred. However, both would be an asset.

- ✓ Experience in working with large EPC contractors.
- ✓ Execution experience is essential.
- ✓ Experience in working in a multi-cultural environment.
- ✓ Experience in technical reviews (PFD, P&ID, HAZOP, 3D Model) of large, complex facilities is essential.
- ✓ Special aspects
- ✓ International project management environment.
- ✓ Challenging schedule

General abilities:

- ✓ Well versed in English language, able to review and comment on technical documentation in English (must)
- ✓ Well-developed initiation, coordination and integration skills.
- ✓ Systematic and procedural.
- ✓ Good analytical and judgment skills.
- ✓ Dedicated with strong work ethics, enthusiastic and positive.
- ✓ Working in a multi-cultural team.
- ✓ Conflict management and resolution.
- ✓ Good communication, networking & negotiation skills.
- ✓ Ability to build and maintain relationships.
- ✓ Function Technical Skills
- ✓ Knowledge of the relevant project implementation models

Function Technical Skills

- ✓ Knowledge of the relevant project implementation models

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As member of International Project Management Association (IPMA), Austrian Association of Consulting Engineers (ACA, FIDIC & EFAC), Austrian Society of Engineers & Architects (OIAV) it is our self-conception that clients' will receive first class service in the fields of the company's activities

General information:

HJK Consulting Engineers core values are represented by

- ❖ **Clients Come First**
- ❖ **Diversity**
- ❖ **Expanding the Art of the Possible**
- ❖ **Integrity**
- ❖ **Partnership**

- ❖ **Respect for the Individual**
- ❖ **Shaping the Future**
- ❖ **Stewardship**
- ❖ **The Strategic Perspective**
- ❖ **Value Delivered**