

Position Title: Lead Instrumentation and Controls Engineer

Reporting to: Project Manager

Job Purpose: The PMC Lead Instrumentation and Controls Engineer supports the Lead Instrumentation and Controls Engineer in all technical activities and supervision on construction site. Perform Project Management Consultancy (PMC) services in the role of Instrumentation and Controls Engineer for oil & gas and petrochemical projects. The responsibilities shall include the review of Engineering Contractor's design work / deliverables and provide necessary comments / approval, while fully meeting COMPANY's requirements by assuring quality deliverables in a timely manner. He/she is responsible for the quality and integrity of the Instruments and Control systems 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-stages.

Key Responsibilities:

The Core Units Lead Process Engineer will be responsible for:

- ✓ Monitors and manages the works carried out by Engineering Contractor during FEED and Detailed Engineering phases, which includes review of deliverables, attending meetings, monitoring resource levels, compliance to codes and standards and Company specifications.
- ✓ Scope can be adjusted depending on applicants 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.
- ✓ Assist Project Manager on activities on the technical track, including inputs as needed in feedback reports as dictated by the Lead Process Engineer.
- ✓ Developing an understanding of the overall plant to enable the assessment of impacts on the overall plant by decisions taken with the process units for which he/she is responsible.
- ✓ Interface Management – between individual Utilities & Offsite units, and external Licensors.
- ✓ 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.
- ✓ Responsible for process assumption and risk register for specified units.
- ✓ Give inputs in reviewing and evaluating any cost and schedule proposals received from the EPC Contractor and respective VENDORS involved with EPC scope.
- ✓ Provides technical advice and support to the operation group, in order to ensure that the plants integrity and long term availability are maintained, areas of concern are identified by the appropriate party and optimum / cost effective solutions are adopted
- ✓ Coordinates, supervises and evaluates technical studies and special investigations carried out by third party including OEMs of Field Instrumentation (transmitters, valves, gauges etc.)/DCS/ESD/FGS/PLC/SCADA/MMS, establishing adequacy, upgrading, replacement requirements, etc.\
- ✓ Participates in vendor drawing reviews and assists in resolving technical issues raised during FAT/SAT testing
- ✓ Verifies of scope of work for any new modifications, new packages and review Contractor's proposals.
- ✓ Provides on-site engineering consultation, as applicable, during construction, pre-commissioning and commissioning stage; full involvement during performance test run for the plant. Witness field inspections, installation, control system power on checks, loop checks, functional checks and SAT.
- ✓ Reviews and provides comments / approval on design deliverables / packages prepared by Contractor, in line with the scope of work requirements, Company's specifications and international codes / standards.
- ✓ Education and expertise degree:
- ✓ Engineering or related degree (Must);
- ✓ A business management qualification (Wish).

Related experience required:

- ✓ Degree in Electronics or Instrumentation Engineering with 10-12 years of experience. Minimum 8 years' experience at senior/lead engineer position. Experience of PMC role is preferred
- ✓ Strong knowledge of Conceptual Design, FEED and Detailed Engineering of Oil /Gas/ Petrochemicals Processing facilities
- ✓ Proficient to the codes and standards in the oil and gas industry i.e. API, BS, ISO, ASME, ANSI, IEC, ISA, IEEE, etc.
- ✓ 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.

HJK Consulting Engineers GmbH is an independent, multi-discipline consultancy service supplier in engineering & manufacturing, process & business consulting, operational services to mining, metallurgical, oil & gas industries, project implementation services (green & brown field, turnarounds), dual vocational training.

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**