

ETHYLENE PROCESS ENGINEER

Scope of Duties

The Process Engineer working within the Technical Services is responsible for Process Engineering, Projects and for ongoing improvement in existing facilities within the Rasco-Libya.

- Work well in a team environment with other technical and operations staff and engineering contractors.
- Key areas of focus for the Process include: providing plant trouble-shooting, optimization and operations support and providing **technical support** to operations team, Monitor plant performance.
- Provides technical service to other departments on a regular basis. Includes identifying problems and submitting reports with recommendations for a reliable and safe solution.
- Provide problem solving service for long term complex difficulties or potential problems. Includes studies related to process problems initiated by him.
- Self motivation - ability to work, organize and complete tasks without direction.
- Excellent communications skills and ability to work with operations, projects, third parties and regulatory agencies.

MAIN AREAS OF RESPONSIBILITY

- Provide timely support to operation in identifying operation-related problems and developing cost effective solutions.
- Review routine test and analysis results from laboratory, identifies and analyses deviations and unusual trends, interprets reasons in terms of operations and submits conclusions to Senior Engineer.
- Process calculation and support to operation as and when required with a high priority. Process analysis, troubleshooting and Plant / Equipment Optimization, on operating facilities.
- Identify new operating philosophies / technology opportunities where possible.
- Generate process design including plant models (Process simulation using ASPEN, HYSYS), process flow diagrams and heat and material balances.
- Reviewing and providing input and benefit / risk recommendations on processing alternatives to meet business objectives for new and revamp projects.

REQUIRED QUALIFICATIONS AND EXPERIENCE

- A Bachelor's / Master degree minimum in Chemical Engineering.
- Minimum of 10 years experience of Process Engineering within petrochemical complexes. Especially in Naphtha Cracking Ethylene plant.
- Knowledge of applicable codes and standards regulations.
- Strong knowledge of Microsoft Office and process simulation software ASPEN, HYSYS.
- Fluent Spoken and Written English.