

Selas Fluid Processing Corporation Job Specification

Job Title:	Systems Engineer
Reports to:	Business Unit Manager- HYCO
Last Updated:	October 2009

Position Summary

As part of an international team, the Systems Engineer is responsible for the conceptual design of a Hydrogen Plant.

Key Areas of Responsibility

<ul style="list-style-type: none"> • The Systems Engineer develops and updates process flow and P&I diagrams. • Clarification of interfaces to package units (reformer, compressors, dosing units, etc.) with regard to process control, safety, instrumentation and tie-in points. • Active participation in HAZOP and Design Review meetings and Incorporation of resulting changes in documentation • Detail work includes, but is not limited to, line sizing of process lines, definition of heat tracing requirements, overall process control requirements, preparation of operating manual • Participation in Fabrication Acceptance Tests in workshop Control System Supplier • Planning of Hand-Over-Systems, pre-commissioning, commissioning and start-up activities. • Responsible start-up manager for pre-commissioning, commissioning, start-up and performance test. • Training of Operators. • Include feedback of lessons learned during engineering and start-up into standard templates of Linde Engineering • Service as Team Leader, as assigned. • Performs other responsibilities associated with this position as may be appropriate

Required Skills

<ul style="list-style-type: none"> • Effective computer skills: Microsoft Office software, Lotus Notes and other Company and discipline-specific software applications, electronic document review (redlining). • Effective communication skills both verbally and written with superiors, colleagues and individuals inside and outside the Company. • Effective analytical and problem-solving skills. • Knowledge of material balance, process engineering, process controls, plant hydraulics and process safety management. • Ability and motivation for project related travel to other LE entities in Germany and India and job sites in the NAFTA region

Education/Experience
<ul style="list-style-type: none">• Position requires a Bachelor's degree in either Chemical or Mechanical Engineering disciplines or license and equivalent experience.
<ul style="list-style-type: none">• Five to ten years relative experience.
<ul style="list-style-type: none">• Minimum two years experience in Hydrogen or Syngas related processes for similar job function.