

Selas Fluid Processing Corporation Job Specification

Job Title:	Piping Engineer
Reports to: (Position):	Chief Mechanical Engineer
Last Updated:	February 2010

Position Summary

The Piping Engineer is responsible for the successful design of piping into the overall plant design.

Key Areas of Responsibility

- The Piping Engineer develops and maintains standard methodology for pipe specifications.
- Reviews the project documents that require evaluation from a technical expert or supervision.
- Reviews engineering tools in the area of piping engineering and design for improvements in overall department performance.
- Actively participates in continuous improvement activities to improve overall department performance.
- Ensures adequate flexibility in critical piping systems.
- Definition of Stress Analysis scope of supply.
- Development of piping specifications (customize/ company standard).
- Performs Stress Analysis using renowned computer software. (CAESAR II)
- Technical coordination with all disciplines related to engineering effort.
- Prepare material requisitions for piping commodities and piping mechanical specialty items.
- Preparation of RFQ, Bid evaluations and coordination with suppliers.
- Interface with Material Control system to ensure commodity purchase.
- Participate in Design Reviews.
- Verification of client specifications and requirements.
- Preparation of all associated lists, i.e. specialty items, piping tie-ins, etc.
- Maintain material/ valve description database up-to-date.
- Develops/ maintains standard specification sheets for engineered items.
- Update of line list and provide necessary input to line list.
- Performs other responsibilities associated with this position as may be appropriate

Required Skills

- Must be skilled in CAESAR II software.
- Working knowledge of International Codes and Standards.
- Complete familiarity with Respective Codes (i.e. B31.3).
- Effective computer skills: Microsoft Office software, Lotus Notes and other Company and discipline-specific software applications.

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| <ul style="list-style-type: none">• Effective communication skills both verbally and written with superiors, colleagues and individuals inside and outside the Company. |
| <ul style="list-style-type: none">• Effective analytical and problem-solving skills. |

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. P.E. preferred.
<ul style="list-style-type: none">• Five years relative plant Piping Engineering experience.
<ul style="list-style-type: none">• Minimum two years experience in Hydrogen or Syngas related processes for similar job function.