

## Selas Fluid Job Specification

<b>Job Title:</b>	Structural Engineer
<b>Reports to:</b>	Chief Structural Engineer
<b>Last Updated:</b>	February 2010

### Position Summary

The Structural Engineer position plans, designs, and supervises construction, maintenance and alteration of structures and facilities.

### Key Areas of Responsibility

- Arrangement, sizing and joining of the elements which together make up the equipment structure. Examples are base plates, foundation anchor bolts, columns, platforms, heater shell including the reinforcing thereof, roofs, floors, supports for equipment such as fans or steam drums, ducts, stacks and the elements supporting the stack
- Calculation of wind, seismic, dead and live loads and the application of these loads to the appropriate equipment elements
- Sizing of structural elements and the design of the means of connecting all elements
- Preparation of drawings which present the design for fabrication and construction by others
- Completion of project tasks in a quality manner, within budget and on schedule
- Performs other responsibilities associated with this position as may be appropriate

### Required Skills

- Working knowledge of applicable technical software programs
- Good interpersonal skills
- Good communication skills both written and verbal

### Education/Experience

- Bachelor's Degree in Civil/Structural Engineering
- Minimum 5 years of related work experience
- Engineer-in-training certificate desired