

**Title:** Senior Designer, Nuclear – Montreal (235B)

**Location:** Montreal

**Company Background:**

Velan Inc. is one of the world's leading manufacturers of industrial steel valves. It is a Canadian public company with over \$400 million in annual sales and 1,700 employees located in Canada, USA, Europe, and Asia.

**Description**

**Purpose of Position:**

- Play a leadership role in the development program of valve designs.
- Establish design parameters to comply with new plant construction requirements.
- Coordinate design activities for standardized designs for new construction requirements.
- Develop qualification programs for valve assemblies based on customer specific requirements.

**Position Responsibilities/Essential Functions:**

- Develop and document the technical bases for designs and design changes.
- Review customer purchase orders, establish technical requirements and exceptions and resolution of technical issues.
- Coordinate design efforts by providing input to CAD designers and reviewing design documents.
- Perform extensive engineering calculations and analyses; generate detailed design reports.
- Generate BOM's (product structures) and other product related documentation.
- Prepare detailed specifications, IOM's and other engineering documents.
- Provide engineering support to the manufacturing group for all design engineering issues, before and during production, including review and disposition of deficiencies and deviations.
- Develop testing parameters and acceptance criteria.
- Be aware of project budget forecast and notify Manager of Engineering of issues potentially impacting it.
- Support in-depth root cause evaluations.
- Develop an understanding of customer needs and issues.
- Support organizational initiatives.
- Provide engineering support as defined by the Manager of Engineering.

**Required Experience and/or Education:**

- B.Sc. degree in Mechanical Engineering or equivalent plus five to eight years working as an engineer or equivalent.
- Solid understanding of mechanical engineering fundamentals, including stress analysis and fluid dynamics.
- Experience with gate, globe, check, ball and triple offset valve designs, including air and motor actuated valves.
- Proficiency in using design engineering software for modeling and analysis (preferably Pro/E, Pro/Mechanica, ANSYS, CFXDesign).
- In-depth understanding of materials especially steels, machining process and mechanical assembly.
- Knowledge of API, ASME and other Codes and standards as they apply to valve design and manufacture, current participation in Code activities is desired.
- Use of broad range of engineering principles and personal experience to develop unique solutions to complex engineering problems.
- RPE desired.

SALARY: 50 to 80K depending on experience.

Please forward your resume to us via our website:

[www.velan.com](http://www.velan.com) or fax: (514) 908-0179

Please indicate reference # 235B

Thank you for your interest in Velan. Due to the larger number of résumés we receive, we will not be able to handle any application by phone. Only candidates selected for an interview will be contacted.