



POSITION DESCRIPTION: CHIEF MECHANICAL ENGINEER

Overview:

This position has overall responsibility for the work performed by the Mechanical Engineering Department, including mechanical equipment design, stress analysis, piping, process plant layout and mechanical building services.

This position reports to the Manager, Engineering.

The incumbent directs the work of professional engineers and technical staff on engineering studies and projects of various sizes and durations. As a leading expert, the incumbent is a key element in the professional profile of the company. The incumbent may have significant business development involvement as well as participation in company strategic planning.

Qualifications and Knowledge:

Registered as a Professional Engineer with a minimum of 10-15 years of relevant experience.

A deep and thorough understanding of the field of mechanical engineering primarily in the mining and metallurgical sector, gained through a combination of design-office and site experience. A knowledge of the interaction with other engineering disciplines and fields of work.

Excellent verbal and written communication skills in English.

Proficiency in the planning and control of work in a multi-project, deadline driven environment

Good understanding of 2D CAD and 3D computer-based plant design applications and techniques.

A deep and thorough understanding of applicable regulatory requirements and industry practices in both North American and international markets.

Extensive knowledge of a variety of standard engineering methods, technologies and computerized design techniques, and of principles and practices in areas of specialization.



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Responsibilities and Duties:

Establishes the scope of work and manhour estimates for proposals and projects.

Reviews and approves key project documents such as Mechanical Design Criteria and engineering estimates.

Plans and controls the work of the department.

Develops and maintains departmental procedures.

Ensures that quality and safety requirements are met.

Coordinates activities with other departments and clients.

Makes decisions and recommendations on highly technical or complex issues, having both short and long-term effects on activities or services in the department. Exercises considerable judgment and initiative in interpreting policy in the planning and implementation of major projects and work assignments.

Provides competent engineering staff for the execution of projects by utilizing methods such as recruitment, training and discipline. Assumes accountability for the quality of mechanical engineering work.

Participates in the preparation of departmental budgets and controls expenditures within those budgets.

Carries out performance evaluations of staff and makes recommendations concerning salaries, staff development and mentoring. Participates in the mentoring of junior engineering staff.

Prepares a succession plan and develops staff accordingly.

Fosters a spirit of enthusiasm, client focus and team building among the staff of the mechanical engineering department.



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Organization:

