



Job Title: Senior Engineer/Metallurgist
Job Number: 3011001
Category: Engineering and Science
Location: Sudbury, Ontario
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Who Are We?

Xstrata Process Support is an independent business within Xstrata providing licensed metallurgical engineering, technology consulting services and expert test work for Xstrata and the global mining industry on a commercial basis. XPS operates four business groups: Process Mineralogy, Extractive Metallurgy, Material Technology and Process Control. Xstrata Process Support based in Sudbury, Ontario, has been in business for over 20 years of which the last five years have been on a commercial platform with a team of 50-60 employees.

Your Opportunity in Extractive Metallurgy!

A rewarding opportunity for an experienced Senior Engineer/Metallurgist now exists in our Extractive Metallurgy Group, which is a team of skilled pyrometallurgists and hydrometallurgists based in Sudbury, Ontario, Canada. We focus on providing support for both the long-term strategic growth and shorter-term plant operational needs of companies requiring expertise in extractive metallurgy. We complement our skills with the knowledge of our XPS partners in the fields of process control, materials technology and process mineralogy.

The group is well equipped to address metallurgical needs through on-site plant support, process modeling and hydrometallurgical and pyrometallurgical test work on both a laboratory and pilot plant scale. Services are offered at a competitive price-to-quality ratio. We can reduce risk and add value to our client's project or operation through:

- On-site plant support for smelters and refineries, e.g. emission abatement strategies (SO₂ etc.), raising throughput capacity, impurity tolerance levels and improving product/metal quality, refractory performance, metallurgical audits, benchmarking, and de-bottlenecking.
- Laboratory and/or pilot scale test work incorporating atmospheric or pressure leaching, fluid bed roasting or smelting, and associated unit operations, to recover base metals from sulphide or oxide ores.
- Flow sheet and process design criteria development for new projects or plant expansions.
- Process simulation/modeling for new or existing metallurgical plants, using Factsage®, Metsim®, ARENA®, COMSOL® for venture style analysis studies for business/custom feed opportunities.



Responsibilities & Accountabilities

The primary functions of the Senior Engineer/Metallurgist are to:

- Write project proposals and market the XPS business
- Manage projects by meeting turnaround (schedule), quality and safety standards
- Supervise and mentor department personnel
- Provide and develop specialized knowledge and expertise for our clients
- Project responsibilities range from laboratory test work to operations support

The Senior Engineer/Metallurgist works closely with the Extractive Metallurgy and Laboratory Manager to plan and implement a wide variety of metallurgical test work projects. S/He will work on projects which can commonly contain a process design, process modeling and laboratory testing component. Under the supervision of the Extractive Metallurgy Manager the Senior Engineer/Metallurgist will be responsible in each project for the financial aspects, cost controls and assessment of competitiveness. The incumbent is also expected to participate in operations plant support which includes a focus on improving safety, process troubleshooting/optimization and metallurgical plant improvement. In this role you are a consultant to Operations project engineers/superintendents and assist in developing schedules and execution of continuous improvement projects. Naturally, we desire you to have extensive knowledge of extractive metallurgy.

Education/Experience/Skills

The ideal candidate will possess:

- A degree in metallurgical, chemical engineering or related degree and/or related experience
- A minimum of 7 years of relevant work experience
- Strong project management skills and the ability to thrive in a dynamic team
- An acute business sense and entrepreneurial spirit
- Excellent problem solving and analytical skills
- Strong knowledge of MS Office Suite or equivalent products
- Excellent verbal and written communication skills
- Proven time management skills and strong attention to detail

Benefits

XPS offers a dynamic team culture, and a competitive remuneration package based on experience and education. In addition, XPS employees enjoy a wide range of excellent benefits, including flexible medical, dental and vision plans, compulsory short and long term disability with life insurance, fitness subsidy and variable compensation incentives.

To apply for this position go to www.xstrata.com/careers Technology Services Group

We thank all applicants in advance. Only those selected for an interview will be contacted.