



Job Title: Principal Engineer/Metallurgist
Job Number: 3011002
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 Principal 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 Principal Engineer/Metallurgist are to:

- Market the existing Extractive Metallurgy services on a commercial platform: win projects
- Develop a new markets and/or new products for Xstrata Process Support
- Manage, supervise and execute project proposal writing, project schedules, quality test work and/or consulting while maintaining company safety standards
- Provide and develop specialized knowledge and expertise for our clients and share his/her existing knowledge with the team (educate and mentor)
- The incumbent ought to envision himself as an independent, self-sustainable consultant able to consult in Operations, while at the same time being supported by access to world-class laboratory assets.

The Principal Engineer/Metallurgist works closely with the Extractive Metallurgy Manager to plan and implement a wide variety of metallurgical test work projects, consulting assignments and business development options. The Principal Engineer/Metallurgist will be responsible in each case for the financial aspects and cost controls of each project and marketing of our competitive products in a global business environment. The incumbent develops and executes products in the field of both metallurgical testing and operations plant support. For the latter it includes a focus on improving safety, process troubleshooting, process optimization and plant improvement. In this role you are a consultant to Operations project or EPCM project and you assist the project owner in developing schedules and execution plans. Naturally, we desire you to have detailed knowledge of extractive metallurgy (pyro- and/or hydrometallurgy).

Education/Experience/Skills

The ideal candidate will possess:

- A degree in metallurgical, chemical engineering or related degree and/or related experience
- A minimum of 14 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 to this job please visit: www.xstrata.com/careers Technology Group

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



Xstrata is a major global diversified mining group, listed on the London and Swiss stock exchanges. Headquartered in Zug, Switzerland, Xstrata maintains a meaningful position in seven major international commodity markets: copper, coking coal, thermal coal, ferrochrome, nickel, vanadium and zinc, with recycling facilities, additional exposures to gold, lead and silver and a suite of global technologies, many of which are industry leaders. The Group's operations and projects span 18 countries: Argentina, Australia, Brazil, Canada, Chile, Columbia, the Dominican Republic, Germany, Jamaica, New Caledonia, Norway, Papua New Guinea, Peru, South Africa, Spain, Tanzania, the USA and the UK.