Rio Tinto

Structural Engineer

Réquisition	R63845
Lieux au Canada	Labrador City, Terre-Neuve-et-Labrador
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Domaine	Gestion des actifs
Statut	Permanent · temps plein

The position

- Expand your influence as a technical leader, leading excellence in engineering, structural integrity, innovation and continuous improvement of key assets and critical infrastructure.
- Get a unique exposure to a wide range of operational and capital projects in an environment where engineers develop well-balanced expertise rather than working in narrow specialties.
- Building a long-term career in Labrador City, Newfoundland and Labrador, a vibrant northern community known for its strong sense of community and unrivalled access to nature and outdoor activities.

In Rio Tinto, we are committed to creating an inclusive and welcoming workplace where everyone feels safe, respected and able to succeed. We actively encourage the applications of women, Aboriginal peoples and people with diverse backgrounds, experiences and perspectives.

We find better ways to provide the materials that the world needs today and in the future. Our values of care, courage and curiosity guide our way of working and treating each other.

We are looking for a structural engineer to provide technical leadership and operational support and to maintain the delivery of engineering projects throughout the operations of Iron Ore Company of Canada.

This role provides an opportunity to influence engineering systems, standards and asset performance while working with a global network of technical specialists. You will work in an integrated system of mine, ore, concentrate, granular, rail and support infrastructure delivery while working with multidisciplinary engineering and operations teams. The role is based in Labrador City, NL. This is a residential role; it is not possible to fly. Resettlement assistance is provided, if applicable.

Reporting to the Superintendent of Engineering Technical Services and working in a stimulating and challenging environment, you will help achieve safe and high quality engineering results in a range of capital and support projects.

Responsibilities

- Provide technical expertise to ensure integration of technical standards, maintenance and operational requirements into project design and implementation
- Design, analyze, examine and stamp structural engineering sets, including technical calculations, drawings and specifications using tools such as STAAD.Pro.
- Conduct and conduct technical reviews of engineering deliverables, ensuring compliance with Rio Tinto standards, regulatory requirements and industry best practices.
- Develop, maintain and govern standards, work practices and structural engineering systems to support coherent and effective project delivery.
- Partner with operations, maintenance and project teams to integrate technical requirements, maintenance considerations and risk mitigation strategies into project design and site improvement.
- Provide technical leadership, mentoring, boarding and training to engineers and team members while promoting engineering excellence and continuous improvement.
- Support the Management of Change (MOC) process, incident investigations, root cause analyses, and risk assessment activities including HAZOP, LOPA, and PHA reviews.

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- Respond to critical structural issues and emerging operational risks, providing engineering expertise in a timely manner to minimize business interruptions and support safe production.

Qualifications

We are looking for someone whose experience aligns with the key requirements below. You do not need to answer all the elements useful to succeed in applying. If you are excited about the opportunity and bring the relevant experience, we encourage you to submit an application.

Requirements

- A commitment to the safety of yourself and your team.
- Bachelor of Civil Engineering with structural specialization, or equivalent combination of relevant qualifications and experience.
- Professional Engineer registration with PEGNL, or eligibility to obtain registration, or Engineer in Training.
- Experience in providing engineering or maintenance solutions in a large-scale industrial, mining, processing or wasteland environment.
- Experience in technical reach, consultants and key stakeholders in multidisciplinary projects.
- Competency using Microsoft Office applications for engineering and project execution activities.

Assets

- Experience in supporting iron ore processing facilities, railway infrastructure and/or port operations.
- Professional Project Management Certification (PMP).
- Work knowledge of STAAD Pro or equivalent structural analysis software.
- Knowledge of Computer-Assisted Design (CAD) in AutoCAD and knowledge of Bluebeam or similar marking software.

Pay and benefits

Be recognized for your contribution, your thought and your hard work, and come home knowing that you have helped the world progress.

- A working environment where safety is always the number one priority
- Professional Development & Education Assistance to Advance Your Technical or Leadership Ambitions
- A competitive base salary that reflects your skills and experience with an annual incentive program
- Relocation support is provided, if applicable
- Continued access to family-friendly health and medical care programs, pension and savings plans
- Attractive share ownership plan
- Leave for all of life’s reasons (vacation/annual, paid parental, sick leave)
- Exclusive employee discounts

Work environment

We are a North American producer and exporter of premium iron ore pellets and high-quality concentrates with average iron qualities above 66%. With a team of more than 2,700 employees, the IOC is committed to providing value and continuity to its customers, employees, communities and shareholders through our unique approach to the port mine, taking advantage of our full integration and fully owned infrastructure to deliver our high-quality concentrates and granules to our customers around the world.

IOC activities include a mine with five operating pits, a hub and a granulation plant located near Labrador City, in the province of Newfoundland and Labrador. We also operate a 418 km railway, the Quebec North Shore and Labrador Railway (QNS&L), which links our operations in Labrador to port facilities owned by the Company at Sept-Iles.

Working in Rio Tinto also means choosing to be part of a recognized company among Canada's top 100 employers in 2026 and among Canada's top employers for youth in 2025.

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About Rio Tinto

Rio Tinto is a major international mining and materials company. It operates in 35 countries and produces iron ore, copper, aluminium, critical minerals and other materials for the energy transition and for people, communities and countries.

Rio Tinto draws on 150 years of mining experience across generations and continents. It looks for innovative ways to supply the materials people need, lower emissions and meet environmental, social and governance standards. Collaborating with partners helps the company solve problems and create opportunities that also benefit communities and countries.

Respect and inclusion

Rio Tinto especially welcomes candidates who are Indigenous, women, members of the LGBTQ+ community, older workers, people with disabilities or people from a range of cultural backgrounds.

Rio Tinto wants employees to feel free to be themselves and to speak up. The company respects every culture and sees differences in perspective as essential to its success. It aims to treat people with fairness and dignity regardless of race, gender, nationality, ethnic origin, religion, age, sexual orientation or any other difference.

Pour retrouver cette offre sur le portail de Rio Tinto, recherchez la réquisition R63845.

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