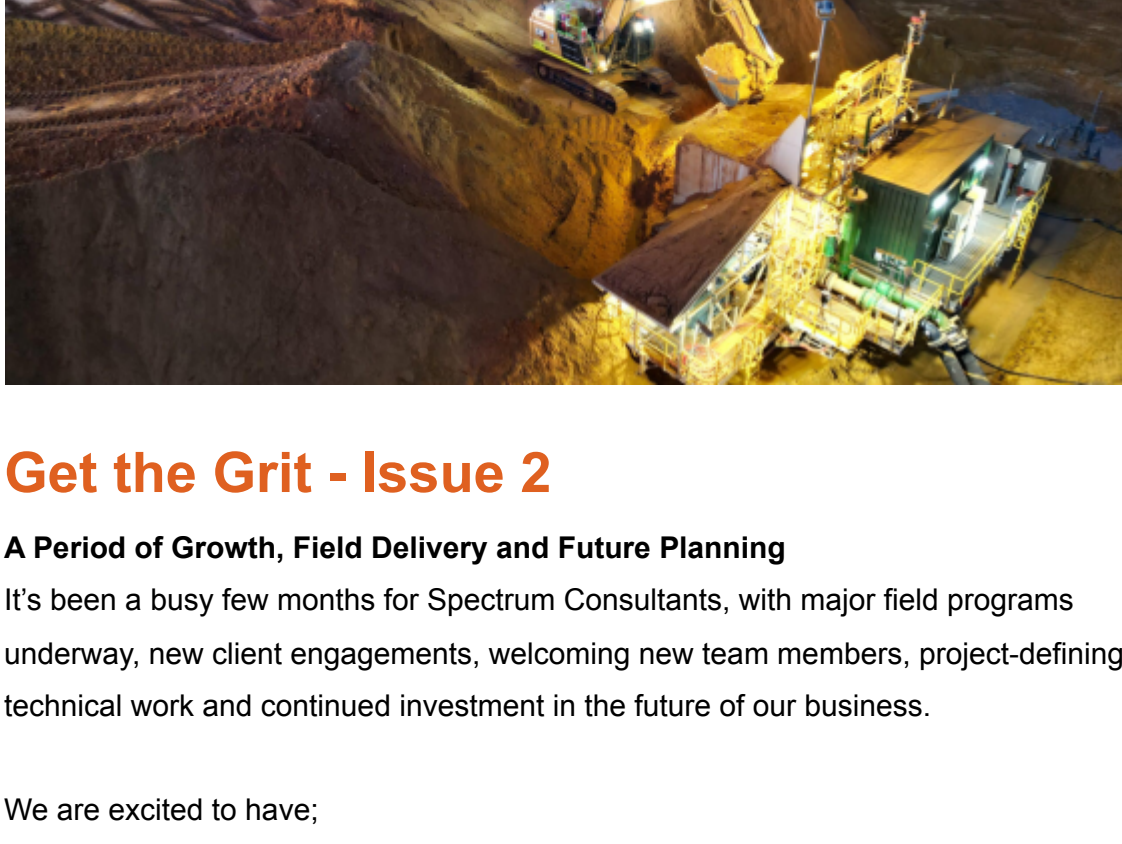




Get the Grit - Issue 2

A Period of Growth, Field Delivery and Future Planning

It's been a busy few months for Spectrum Consultants, with major field programs underway, new client engagements, welcoming new team members, project-defining technical work and continued investment in the future of our business.

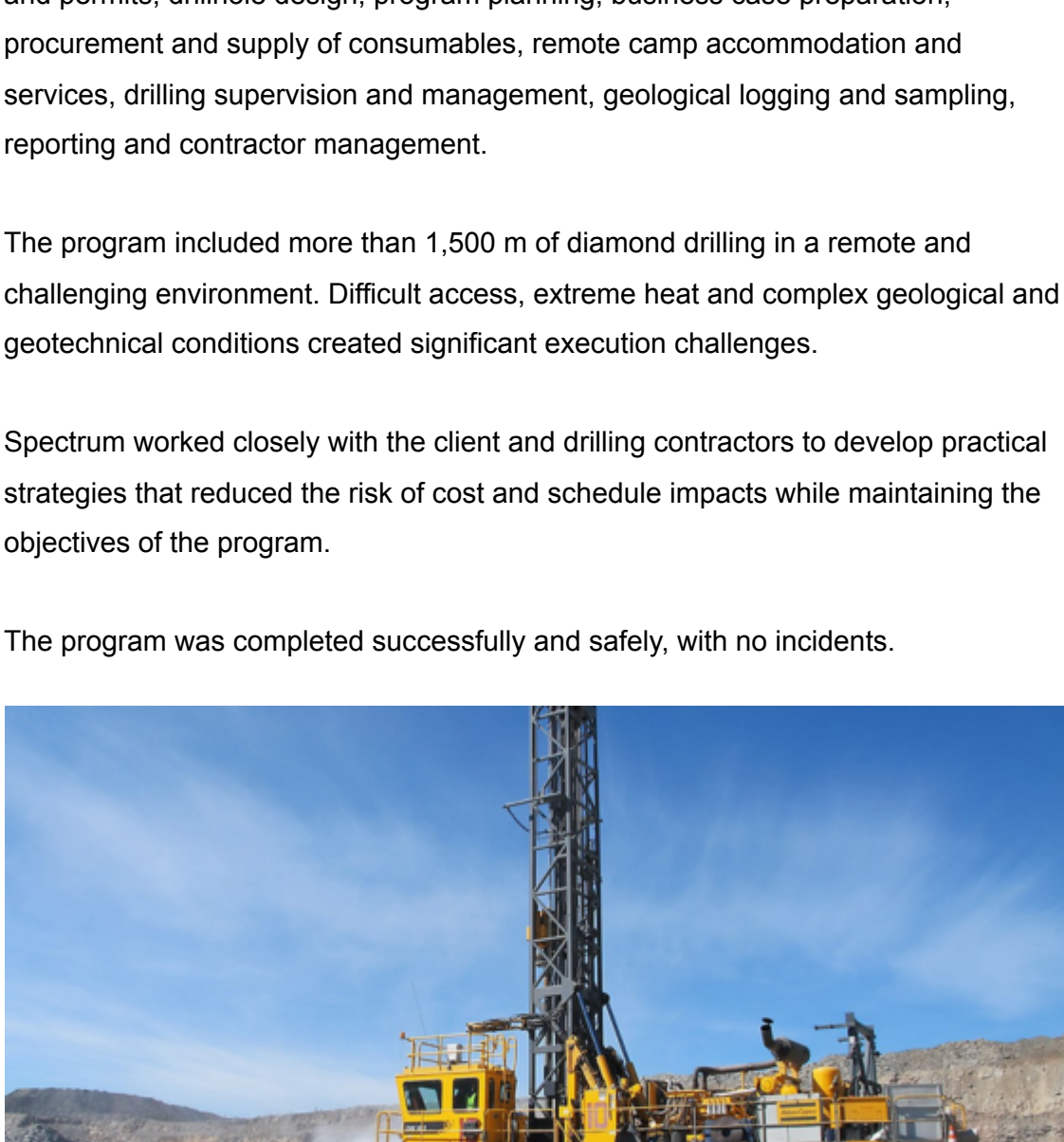
We are excited to have;

- **Kicked off a major geotechnical investigation program** for one of our key clients. The program involves multiple rigs, more than 160 boreholes and 300 test pits, using a range of drilling and sampling methods to characterise foundation conditions for infrastructure including electrical substations, pipelines, sedimentation basins and tailings storage facilities.
- **Completed a strategic business planning session** to define Spectrum's priorities and growth pathway for the next five years.
- Commenced a series of compaction trials for **Eva Copper**. The trials will establish the construction methodology and create a baseline against which continuous improvement can be measured.
- **Engaged with new client Murray Zircon** to provide exploration and geological expertise across its portfolio. Spectrum will support business-level exploration strategy, planning and execution, as well as technical due diligence for M&A opportunities.
- **Welcomed Senior Geologist Matthew Paul** to the team. Matthew joins Spectrum from Magnetite Mines and brings strong expertise in mineralogy, geochemical analysis and Australian mineral exploration legislation and regulation.

As always, we appreciate connecting, and thank you for reading.

Rohan Gleeson

Managing Director & Principal



Featured Project

Auroch Minerals | Arden Project

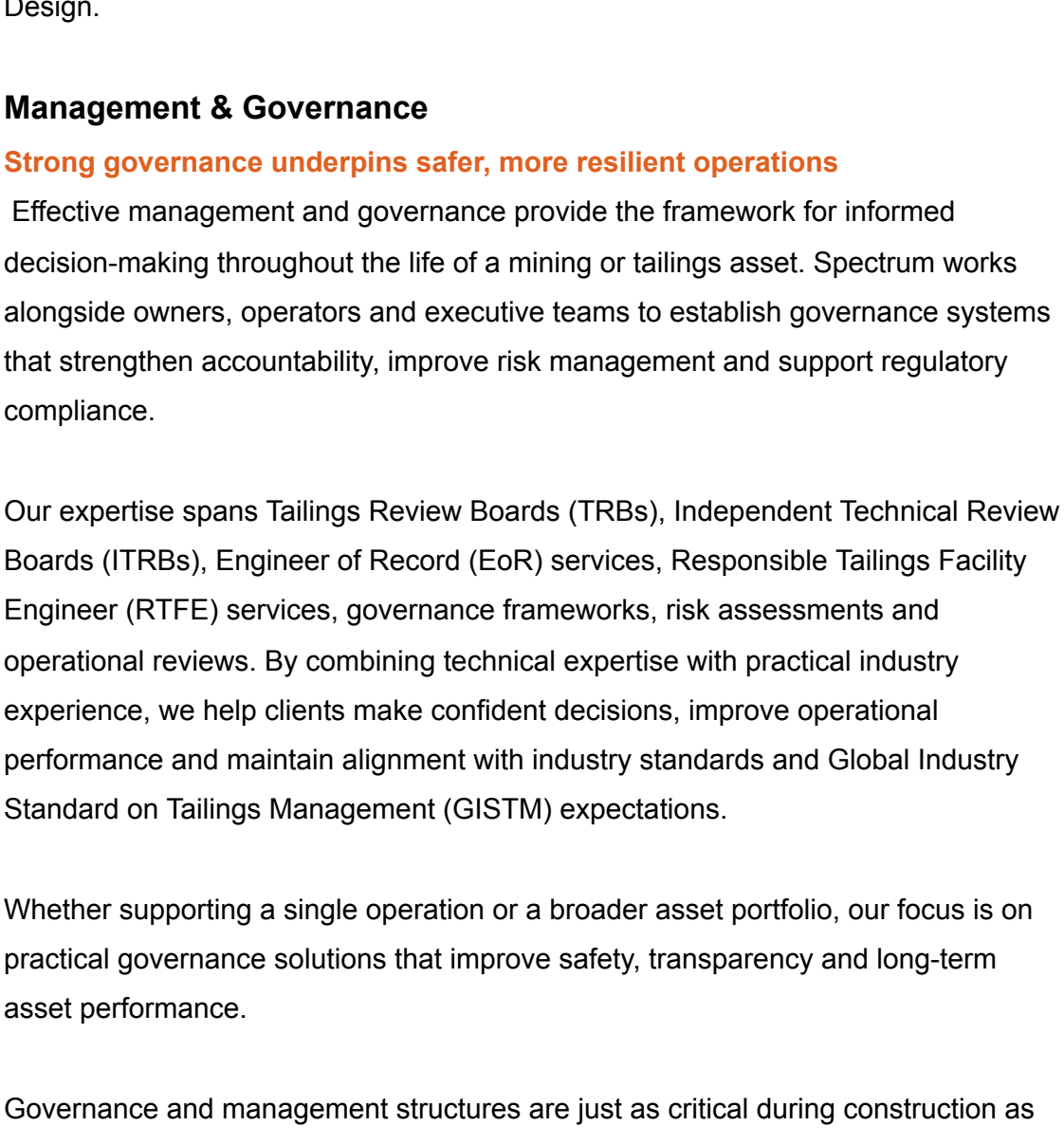
Spectrum delivered the complete exploration program service for Auroch Minerals' Arden Project, supporting the program from early stakeholder engagement and approvals through to drilling, geological logging, sampling, reporting and contractor management.

The scope included stakeholder and access negotiations, First Nations engagement, preparation and submission of South Australian government approvals and permits, drillhole design, program planning, business case preparation, procurement and supply of consumables, remote camp accommodation and services, drilling supervision and management, geological logging and sampling, reporting and contractor management.

The program included more than 1,500 m of diamond drilling in a remote and challenging environment. Difficult access, extreme heat and complex geological and geotechnical conditions created significant execution challenges.

Spectrum worked closely with the client and drilling contractors to develop practical strategies that reduced the risk of cost and schedule impacts while maintaining the objectives of the program.

The program was completed successfully and safely, with no incidents.



From the Field | Industry Insight

Why Rushing Mobilisation Can Create More Risk Than Progress

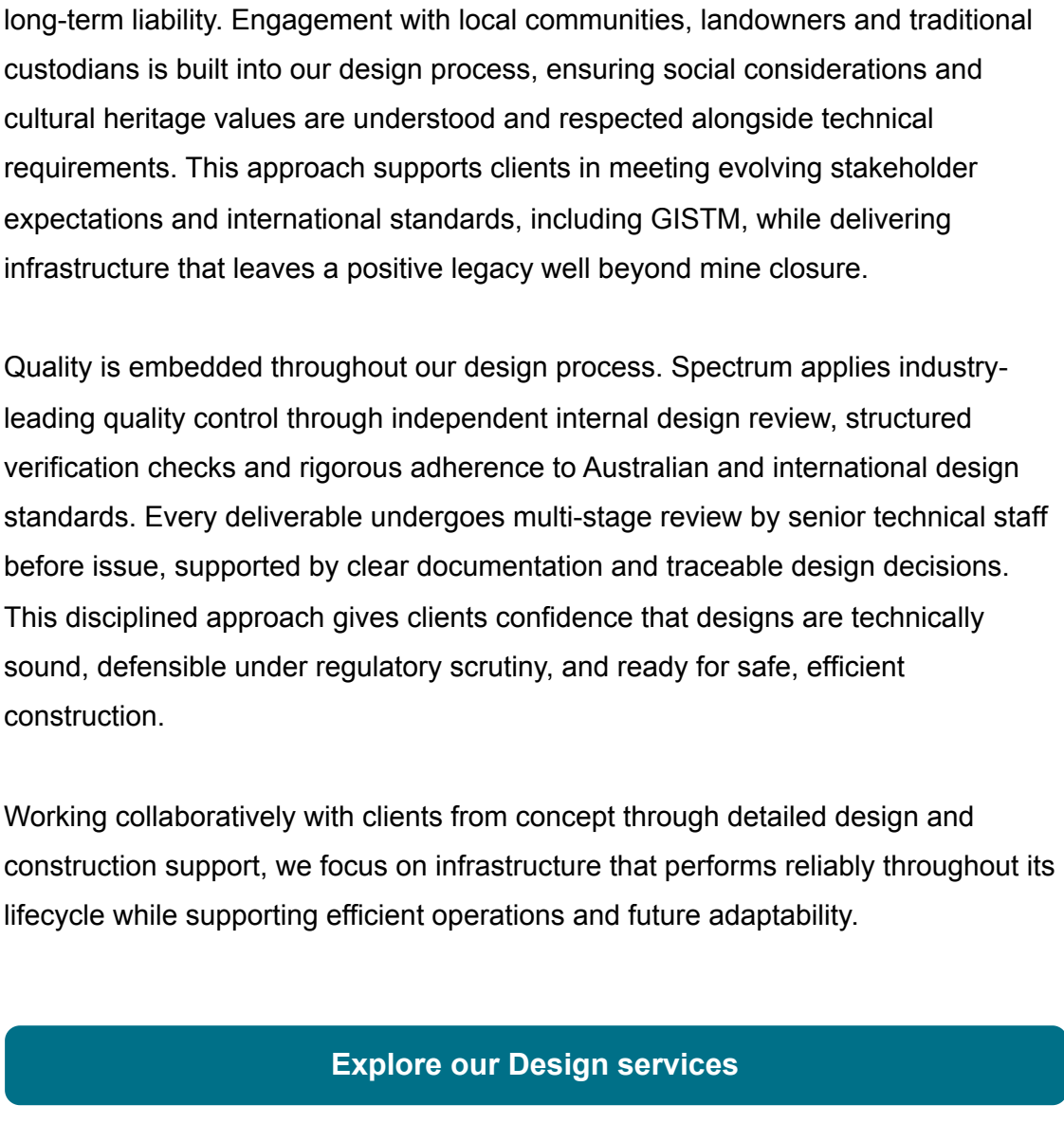
Mobilising drill rigs earlier can look like a quick way to protect schedule, but on complex or mature sites, rushing the planning process can introduce significant safety and commercial risk. Effective drilling programs depend on disciplined planning, permitting and verification before equipment reaches site.

Interactions between drilling activities and underground services can have serious consequences. When planning teams are pressured to shortcut critical checks, the likelihood of missing a safety-critical constraint increases. Experienced drilling managers understand that mobilisation is only productive when the site, approvals, interfaces and controls are ready.

The takeaway: Protecting the planning process, protects safety, schedule and project value.

Spectrum Consultants' Technical Tip

"Before construction begins, assess the spatial coverage and variability of your foundation dataset to identify geotechnical gaps before they become construction risks."



Services Spotlight

After introducing our holistic service offering in Issue 1, this month we're taking a closer look at two areas of Spectrum's capability: Management & Governance and Design.

Management & Governance

Strong governance underpins safer, more resilient operations

Effective management and governance provide the framework for informed decision-making throughout the life of a mining or tailings asset. Spectrum works alongside owners, operators and executive teams to establish governance systems that strengthen accountability, improve risk management and support regulatory compliance.

Our expertise spans Tailings Review Boards (TRBs), Independent Technical Review Boards (ITRBs), Engineer of Record (EoR) services, Responsible Tailings Facility Engineer (RTFE) services, governance frameworks, risk assessments and operational reviews. By combining technical expertise with practical industry experience, we help clients make confident decisions, improve operational performance and maintain alignment with industry standards and Global Industry Standard on Tailings Management (GISTM) expectations.

Whether supporting a single operation or a broader asset portfolio, our focus is on practical governance solutions that improve safety, transparency and long-term asset performance.

Governance and management structures are just as critical during construction as they are once a facility becomes operational. Establishing clear roles, reporting lines and decision-making protocols ahead of operational commencement ensures that risks are identified and managed from first principles, rather than retrofitted once a tailings storage facility (TSF) is already in service. Early governance also creates the audit trail and accountability structures regulators and lenders increasingly expect under frameworks such as the GISTM, reducing the risk of costly rework or compliance gaps later in the asset's life.

Spectrum provides experienced TSF construction project management, working alongside owners and contractors to build governance frameworks directly into the construction phase. This includes defining EoR and RTFE responsibilities, establishing construction quality assurance and reporting protocols, and embedding risk management processes from the outset. By integrating governance into construction delivery, Spectrum helps clients transition into operations with structures already proven, tested and aligned with regulatory and industry expectations - setting the facility up for a safer, more transparent and better-governed life cycle from day one.

[Explore our Management & Governance services](#)

Design

Practical engineering designed for every stage of an asset's lifecycle

Successful projects begin with thoughtful, practical design services. Spectrum provides multidisciplinary engineering and technical design services that balance safety, operational performance and long-term sustainability.

Our team delivers tailored solutions across tailings storage facilities, water management infrastructure, geotechnical earthworks, civil infrastructure and mine waste management. Every design is developed with a strong understanding of site-specific conditions, operational objectives and regulatory requirements, helping create solutions that are technically robust and practical to construct and operate.

What sets Spectrum apart is that our design engineers are boots on the ground. Rather than working solely from behind a desk, our team spends time on site, engaging directly with operations, construction crews and field conditions. This hands-on involvement means designs are grounded in real-world site knowledge, not just drawings and assumptions - resulting in solutions that are more buildable, more practical to operate, and better able to anticipate the challenges that only become apparent in the field.

Environmentally and socially responsible design is central to our approach. We consider closure and rehabilitation outcomes from the earliest concept stages, seeking to minimise environmental disturbance, protect water resources and reduce long-term liability. Engagement with local communities, landowners and traditional custodians is built into our design process, ensuring social considerations and cultural heritage values are understood and respected alongside technical requirements. This approach supports clients in meeting evolving stakeholder expectations and international standards, including GISTM, while delivering infrastructure that leaves a positive legacy well beyond mine closure.

Quality is embedded throughout our design process. Spectrum applies industry-leading quality control through independent internal design review, structured verification checks and rigorous adherence to Australian and international design standards. Every deliverable undergoes multi-stage review by senior technical staff before issue, supported by clear documentation and traceable design decisions.

This disciplined approach gives clients confidence that designs are technically sound, defensible under regulatory scrutiny, and ready for safe, efficient construction.

Working collaboratively with clients from concept through detailed design and construction support, we focus on infrastructure that performs reliably throughout its lifecycle while supporting efficient operations and future adaptability.

[Explore our Design services](#)

The Latest From Spectrum

Planning the Next Five Years

Spectrum has commenced a strategic business planning process with the team at SRD Consulting, focused on building a clear and achievable plan to support the next five years of growth.

That growth is already taking shape across our team, client base and project portfolio. We have recently welcomed Matthew Paul, Ezekiel Traczyk and Michael Middleton to the team, adding further technical capability as demand for our services continues.

We are also expanding the range of projects and clients we support. Along with our Murray Zircon project, our tailings management capability is also continuing to grow. Investigator Resources, owner of the Paris Silver Project, has engaged Adelaide-based engineering consultancy Ammjohn Solutions to support the project, with Ammjohn in turn engaging Spectrum to provide specialist tailings management expertise. The opportunity further strengthens Spectrum's involvement in South Australian resources projects and demonstrates the growing demand for our specialist tailings capability.

Bringing the full Spectrum team into our recent strategic planning session gave us the opportunity to align on where the business is heading, strengthen our shared understanding of priorities and build momentum around the next stage of growth.

For Spectrum, the next five years are about growing deliberately: building the right team, strengthening long-term client relationships, expanding our specialist capability and continuing to deliver practical, technically rigorous outcomes in the field.

Upcoming Industry Event Attendance

Spectrum Consultants is pleased to be attending two upcoming industry events, creating opportunities to connect with peers, share knowledge and stay close to developments across dam engineering, tailings management and governance.

- **ANCOLD Tailings Dams Seminar | 1-3 September | Devonport, Tasmania**
- **ANCOLD 2026 Conference | 26-28 October | Hobart, Tasmania**

If you're attending either event, we'd love to connect and discuss how Spectrum is helping clients deliver safe, practical and sustainable outcomes across the sector.

[Get in touch](#)

Employee Spotlight

Rohan Gleeson, Founder, Managing Director & Principal

A dual-qualified Geologist and Mining Engineer, Rohan has more than 15 years' experience across mining, exploration and geotechnical engineering.

Since founding Spectrum in 2020, Rohan has focused on greenfields exploration, mine start-up, integrated project management and tailings dam management, leading with a practical, technically rigorous approach to deliver safe, efficient and sustainable outcomes across the mining lifecycle.

What does Rohan enjoy most about helping clients solve complex challenges?

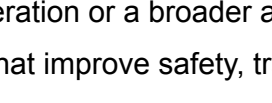
"I think about what's downstream. Mining and tailings projects carry real stakes for communities, the environment and the people downstream. Solving tough problems with clients, unlocking value in an ore body, and building trusted relationships that leave sites safer and more valuable. That's what makes this work so exciting."

Join our Team

We're growing! If you're interested in working with a hands-on, multidisciplinary team, we'd love to hear from you.

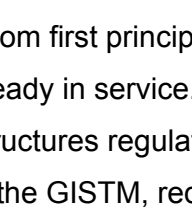
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