



A global partner adding value to mining, waste and infrastructure through smart solutions.

#FutureFraser



OUR PHILOSOPHY

We believe all efforts should equate to sustainable rewards for every stakeholder involved; be it your staff, your shareholders, your investors, the community you operate in or the economy at large.



The pace of innovation in the Mining Sector is accelerating, and with it comes new opportunities and growth.

Being over a century old, Fraser Alexander places a firm focus on health and safety, low impact on the environment, empowering the community in which you operate, and providing the latest technology to ensure sustainable success.

As an industry leader, Fraser Alexander adds value to the mining and industrial value chain. We're passionate about helping you avoid daily disruption and maximise value.

Maintaining control, having visibility and ensuring safety for all is part of the course. We have celebrated success with our clients as their trusted service provider and operator since 1912.

There has never been a better time to:

maximise value

operate with assurance

mitigate risk





OUR GLOBAL FOOTPRINT

First established by Fred and Fraser Alexander as a tailings deposition service on the Witwatersrand goldfields in 1912, Fraser Alexander now has a footprint in Africa and South America with aspirations of expanding even deeper into these and other regions.

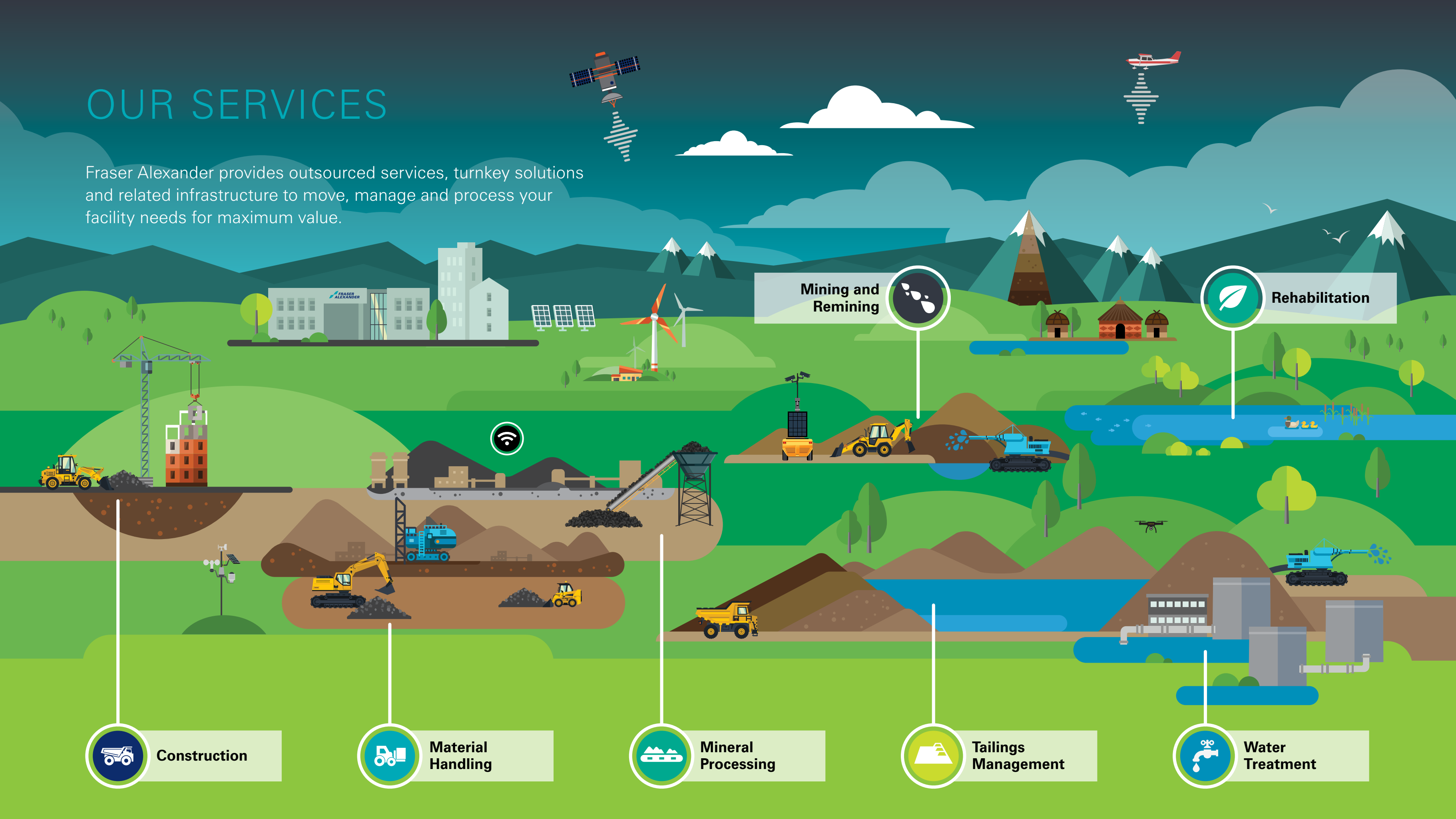
As a business, we provide value to mining and industrial clients by delivering dependable, innovative and sustainable solutions across various aspects of the value chain.

Fraser Alexander's operations have spanned across over 200 sites, employing over 3500 people.



OUR SERVICES

Fraser Alexander provides outsourced services, turnkey solutions and related infrastructure to move, manage and process your facility needs for maximum value.



Mining and Remining

Rehabilitation

Construction

Material Handling

Mineral Processing

Tailings Management

Water Treatment



TAILINGS



Fraser Alexander is the largest outsourced tailings contractor worldwide.

ASSURANCE

COMPLIANCE

TRANSPARENCY

Tailings Storage Facilities

The safe maintenance of tailings storage facilities is under increasing scrutiny worldwide. Our broad focus is placed on safely sustaining the mining industry and managing tailings storage facility risk.

Fraser Alexander specialises in both tailings deposition and tailings reclamation for reprocessing. We focus on optimised and best-practice placement of mine residue to meet the most stringent safety, health and environmental design requirements.

We are continuously innovating and improving our services and currently manage more than 100 tailings storage facilities worldwide.

TAILINGS



Tailings Risk Management.

In managing internal and external risks better, our Tailings Risk Management offering is supported by a world-class digital risk monitoring system called TORAS (Technical and Operational Risk Assessment System).

Compliant with industry best practice, international legislation, governance and global standards, the system enables us to determine, monitor and manage operational risk.

Fraser Alexander is an industry leader in tailings storage facility management, evolving with the every-changing needs of our clients.



TECHNICAL AND OPERATIONAL RISK ASSESSMENT SYSTEM

TORAS

MONITOR. MANAGE. MITIGATE.

Fraser Alexander utilises TORAS (Technical and Operational Risk Assessment System) to monitor and manage risk and compliance of all deposition contracts. TORAS integrates and supports all of our digital service offerings through one online portal with an aim to provide a holistic dashboard view of all facility data.

TORAS, together with our experienced expert tailings operators, the valuable input from the engineers of record and mine management, significantly reduces the risk to tailings facility operations. Professional external parties are appointed annually to review TORAS in line with international best practice, ensuring safer operations.

Fraser Alexander will soon introduce automated data collection through integration with the Internet-of-Things (IoT), drone technology and third-party enterprise systems.

Features and Benefits:



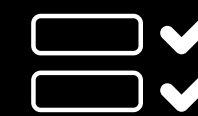
UNIQUE RISK
METHODOLOGY



CENTRALISED DATA
REPOSITORY



DAILY + MONTHLY
MONITORING



IN-CAPTURE DATA
VALIDATIONS



WORKFLOWS AND
ACTION PLANS



RISK MANAGEMENT
BUSINESS INTELLIGENCE



AUTOMATED
NOTIFICATIONS



WEB AND MOBILE
APPLICATIONS



DATA ACCESS
PORTAL



IOT READY



THIRD-PARTY SYSTEM
INTEGRATION



OFFLINE CAPTURE
CAPABILITY

Walking into a digital future, together.

A proud initiative of

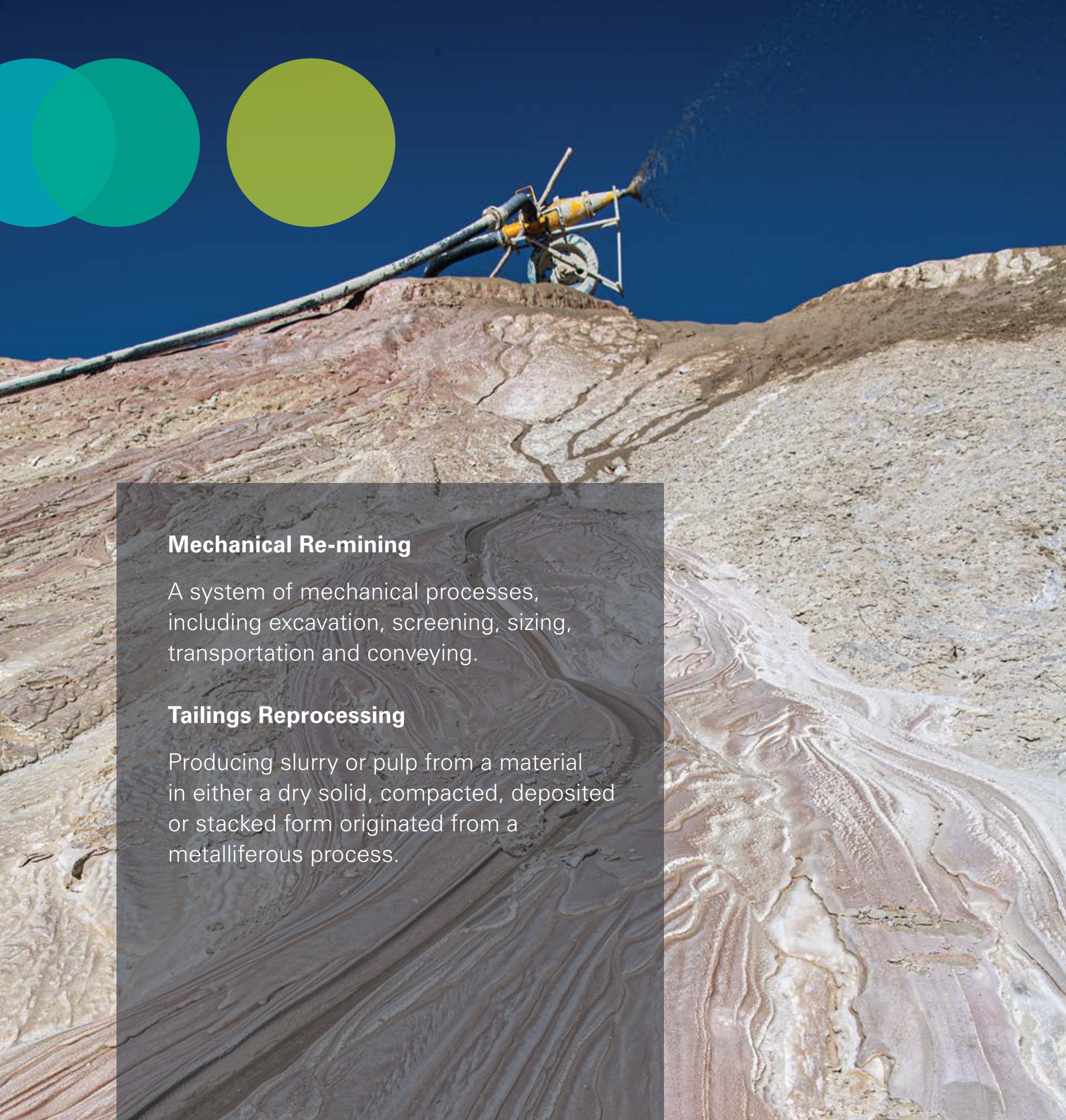


Powered by





Partner with an industry leader
whose main focus is a safe,
disruption-free day.



MINING AND REMINING



We reprocess in excess of 10 million tons of tailings and mine waste every year. With this experience we can assist in generating value from your tailings facilities.

Fraser Alexander is a unique partner with expert design solution capabilities, including customised designs for reclamation equipment, pumping systems, transportation and material transfer, screening and 3D mine plan modeling.

Mechanical Re-mining

A system of mechanical processes, including excavation, screening, sizing, transportation and conveying.

Tailings Reprocessing

Producing slurry or pulp from a material in either a dry solid, compacted, deposited or stacked form originated from a metalliferous process.

Maximising investment value.

Over decades Fraser Alexander has established a unique technique for remining old tailings facilities for reprocessing thanks to improved equipment technologies.

Our hydraulic re-mining solutions remain at the forefront of tailings reclamation for reprocessing purposes. We manage and operate over 127 deposition and hydraulic remining sites globally to create a radical shift from possible exposure to complete peace of mind.

Hydraulic re-mining is generally undertaken on the surface and uses the energy created by specialised high pressure equipment known as monitoring units.

Reclamation and mining, using the hydraulic method, has fewer volume limitations and is designed for safety in mind. Compared to more conventional dry mining methods, Hydraulic Mining has a relatively lower cost base and is therefore preferred for environmental rehabilitation, mineral extraction and recovery.

MINING AND REMINING



The Hydraulic Mining Process



Giving structure to your business goals.

We specialise in customising construction solutions precisely to your needs on the ground.

Whether constructing tailings storage facilities, constructing landfills, installing pipelines, constructing civil infrastructure projects, along with many other construction-based work, we ensure your operation is a success.

Our people and practices have been developed to meet our high standards and align to ISO certification. We collaborate closely with all consulting engineering firms and EPCM teams to provide optimal efficiency in our delivery.

We tailor-make construction solutions for:

- Complex mining and tailings facilities
- Bulk earthworks (topsoil stripping, roads, platforms)
- Water and waste infrastructure
- Civil works

CONSTRUCTION



We currently beneficiate in excess of 1,5 million tons of coal per month for our clients and continuously seek new opportunities for expansion.

Fraser Alexander runs the only operational fine coal dense-medium plant in the world.

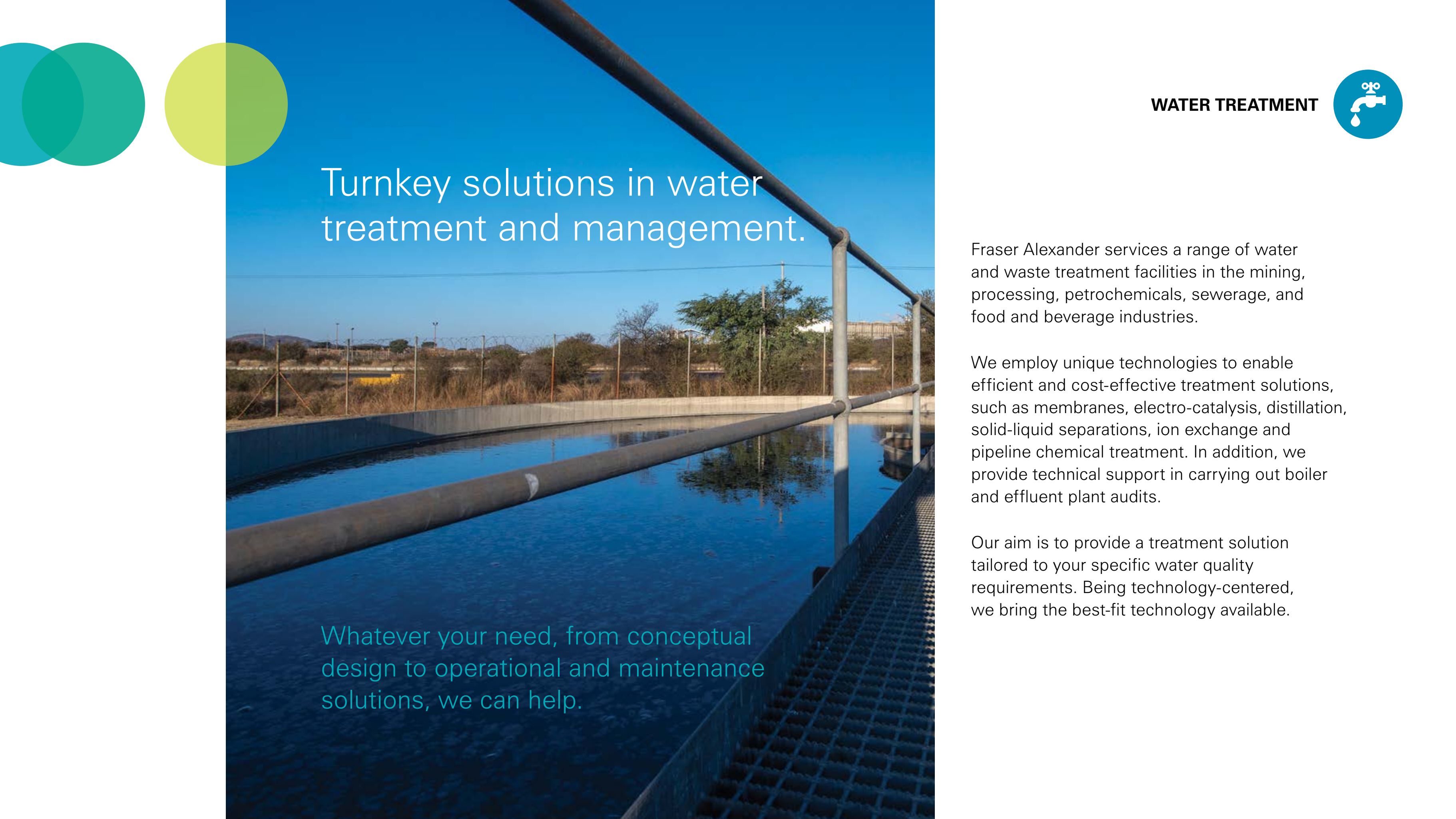
MINERAL PROCESSING



The processing of minerals uniquely positions us to provide clients with an integrated service offering. It extends from mining (reclamation), materials handling and mineral processing through to the safe handling of product and waste streams. This increases efficiencies across these aspects of the value chain and ensures a single point of accountability for you, as our client.

Our Mineral Processing team utilises proprietary maintenance tactics to ensure best-in-class engineering availabilities. Our highly skilled and experienced operational teams deliver efficient operations at benchmark utilisations.

By washing the minerals, Fraser Alexander provides a clean product for its clients, who sell to different low- and high-grade export markets, as well as domestic thermal and metallurgical markets.



Turnkey solutions in water treatment and management.

Whatever your need, from conceptual design to operational and maintenance solutions, we can help.

WATER TREATMENT



Fraser Alexander services a range of water and waste treatment facilities in the mining, processing, petrochemicals, sewerage, and food and beverage industries.

We employ unique technologies to enable efficient and cost-effective treatment solutions, such as membranes, electro-catalysis, distillation, solid-liquid separations, ion exchange and pipeline chemical treatment. In addition, we provide technical support in carrying out boiler and effluent plant audits.

Our aim is to provide a treatment solution tailored to your specific water quality requirements. Being technology-centered, we bring the best-fit technology available.



WE MOVE THE INDUSTRY





Rehabilitation

Restoring the environment to be self-sustainable again.

During, or at the end of the Tailings Storage Facility (TSF) life, we can assist with aligning the TSF with the surrounding areas. This means your business gets to effortlessly add value through rehabilitation solutions that bring rewards for all. Rest assured knowing that your business will be doing its part in leaving behind a renewed landscape.

We do all of the heavy lifting and planning, from rehabilitating waste areas and top soil covers, to implementing tailings dam evaporation solutions. We believe mining should bring sustainable rewards to all involved and thus we seek to minimise and even mitigate any environmental effects.

What does this mean for your facility?

- Support to ensure a sound closure plan
- Regulatory alignment and compliance
- Dust management through ongoing grassing
- Maintaining a positive water balance through ongoing water management
- Leaving a self-sustainable landscape behind

Our Service Offering Includes:

1. Demobilisation of old and risky structures
2. Reshaping of the facility's profile to align with the surrounding environment
3. Top-soiling and stormwater controls
4. Grass and tree planting



Environmental, Social and Governance Focus

Do you need assurance that you're respecting the local community and the environment? Partnering with us means your business is aligned to human rights, a healthy ecosystem and legal compliance. Fraser Alexander focuses on operating in an ethical manner and ensures that we provide ongoing value.

We've been leading the way since 1912, tackling environmental challenges, maintaining stakeholder benefits, and assisting our clients to secure the right investors. The question is, do you want the best possible partner for optimising your operations, to take you towards a more sustainable future?

Doing our part to 'green' the pathway to a sustainable future.



environmental

Environmental Stewardship

social

Community Investment
Enterprise and Supplier Development

governance

Governance Framework
Sustainability
Ethics
Health & Safety



BUSINESS IS SIMPLER WITH FRASER ALEXANDER.

A safe, disruption-free day, where daily targets are met.

Ongoing compliance with decreased exposure and risk.

Peace of mind with an industry leader as your partner.

Transparency and access to information when you need it.

High quality deliverables with a focus on project success.





A century of adapting and innovating.

Fraser Alexander has been providing customised solutions to the mining industry since 1912.

Our focus is placed on safely sustaining the mining sector and managing risk. We co-create sustainable success with you, in these changing times.

We are a South African-based, black-owned group with a presence that spans globally, across Africa and South America. We deliver innovative and effective solutions, adding excellence across your value chain.

Fraser Alexander strives to be a trusted partner, optimising operations to deliver value not only to our clients but also to our multiple stakeholders. As an industry leader, we look forward to another century of excellence.



EXCELLENCE



INNOVATION



INTEGRITY



CARE



TEAMWORK

JOURNEY WITH US TOWARDS PEACE OF MIND.



Define, understand and
scope the real challenge



Evaluate the value, risks
and hidden opportunities



Allow our experts to design
your customized solution



Execute the final plan, together
for sustainable reward



BBBEE
100%
black owned



Founded
100+
years ago



Service
2/3
of the market



*Only
Contractor
insured



Experienced
4000+
team support



Service
80%
of the coal sector

**Pertains to Tailings dump operations*



“Our sustainability focus here at Fraser Alexander is on setting a benchmark against which we can measure future improvements.” Keith Scott, CEO

OUR AGREEMENT



SAFETY
FOCUSED



BACKED BY
DIGITAL EXPERTS



HIGH QUALITY
THOUGHT LEADERS



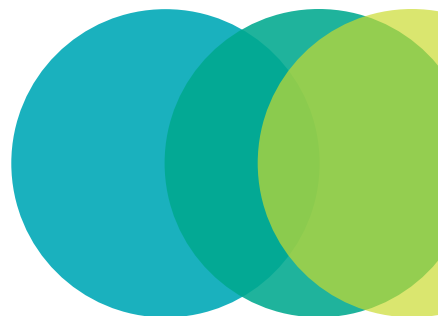
COMMITTED TO
CLIENT RELATIONSHIPS



ALIGNED TO
GLOBAL STANDARDS



WE LIVE
BY OUR VALUES





CONTACT OUR TEAM OF
EXPERTS FOR MORE INFORMATION

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