



Rehabilitation  
Reclamation  
Recovery

# OUR CAPABILITY

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# The Xenco Group

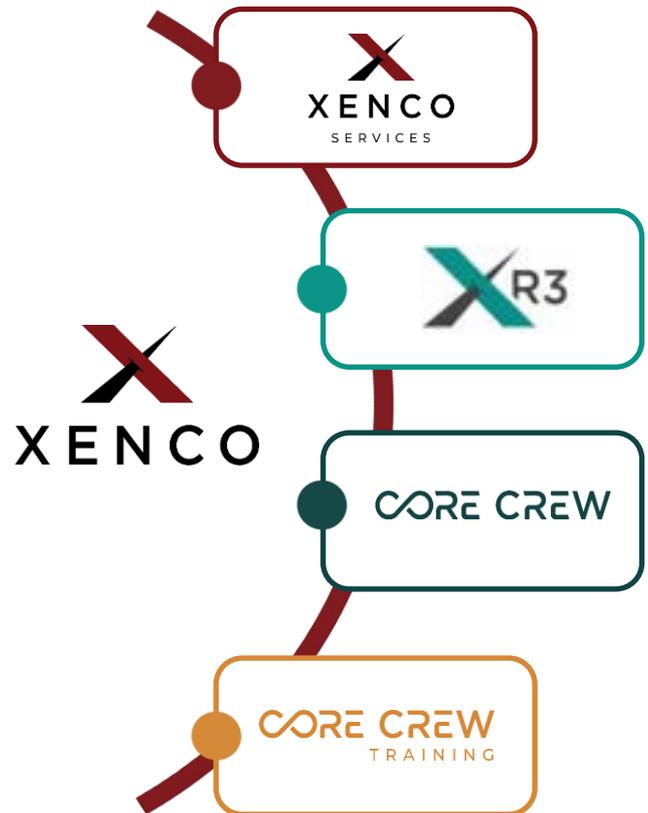
Xenco is an integrated group of companies providing unique and pragmatic solutions to challenging operational issues. We provide innovative solutions to the most challenging strategic and operational challenges – **we not only devise solutions, we implement them.**

Our expertise enables us to overcome complexities with innovative solutions, facilitating improvements in business performance and growth.

As a group we deliver:

- Executive and operational support to organisations
- Rehabilitation, reclamation and recovery services
- Effective and efficient partnerships for success
- Heavy Industry Training

Whether it's working across an entire business or addressing a specific operational or behavioral concern, Xenco can identify the unique stresses and pinch points that inhibit success



## Our Global Footprint

We solve the most difficult and complex business problems irrespective of where they exist. We have a proven track record of delivering solutions globally and we enjoy doing it.



# XR3 | Our Capability

We specialise in implementing unique solutions to enhance recovery, minimise environmental impact, and optimise business performance.

Facing an operational challenge? We offer innovative solutions, from sustainable waste reduction to specialised equipment. Supported by our experienced team, we deliver the right solution at the right time.

## What we do



### End to End Solutions

From initial analysis and equipment procurement to project management and ongoing operation, our engineering expertise covers every aspect of your needs



### Sustainability

Sustainability lies at the heart of our operations. Our methods focus on minimizing the environmental impacts of heavy industry and optimizing the overall performance of assets.



### Expert Team

Our skilled team blends hands-on experience with executive level knowledge. This breadth of experienced enables us to deploy specialised and tailored solutions.

## Pragmatic Solutions

As the services and product deployment arm of the broader **Xenco Group**, we blend experienced onsite personnel with the right equipment, services, and products to deliver agile, rapid-response solutions.

## Our Services



Tailings Reprocessing and Reclamation



Specialised Services



Industrial Products



Specialist Equipment



Dewatering Solutions

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# Capability | Tailings Reclamation and Reprocessing

If you have a tailings dam sitting idle, we're here to help you turn it into a profitable asset.

By deploying advanced techniques such as **hydraulic mining and pelletising**, we can extract the remaining minerals from tailings, reducing environmental impact and recovering valuable metals. This not only helps in environmental reclamation, but also presents significant financial benefits to mining operations.



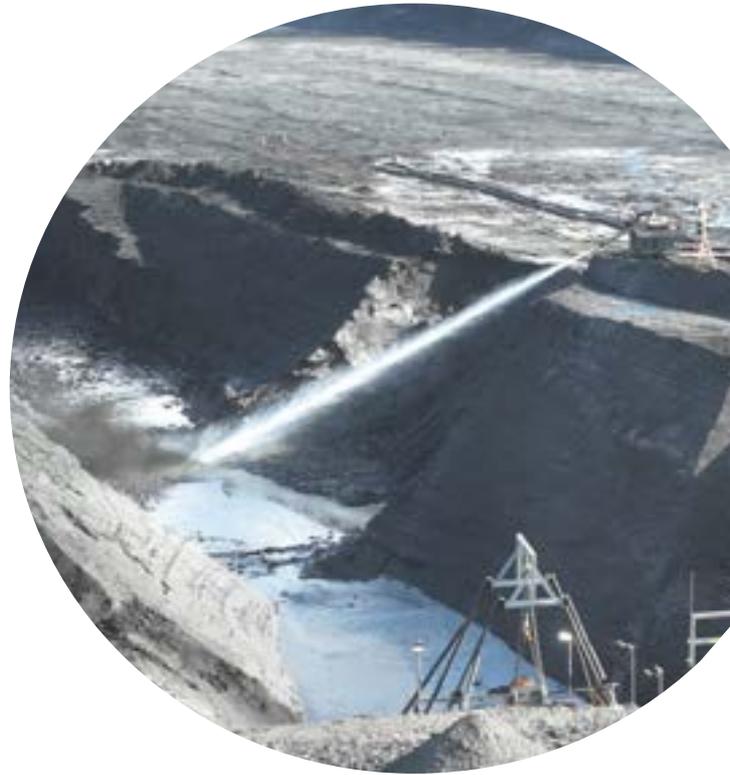
“ XR3's systems are capable of processing between 50 to 500 tonnes of tailings per hour. ”



# Hydraulic Mining

We offer comprehensive hydraulic mining services to extract minerals from tailings with precision and efficiency. Our expertise ranges from the supply of hydraulic cannons to the installation and day-to-day operation of hydraulic mining systems.

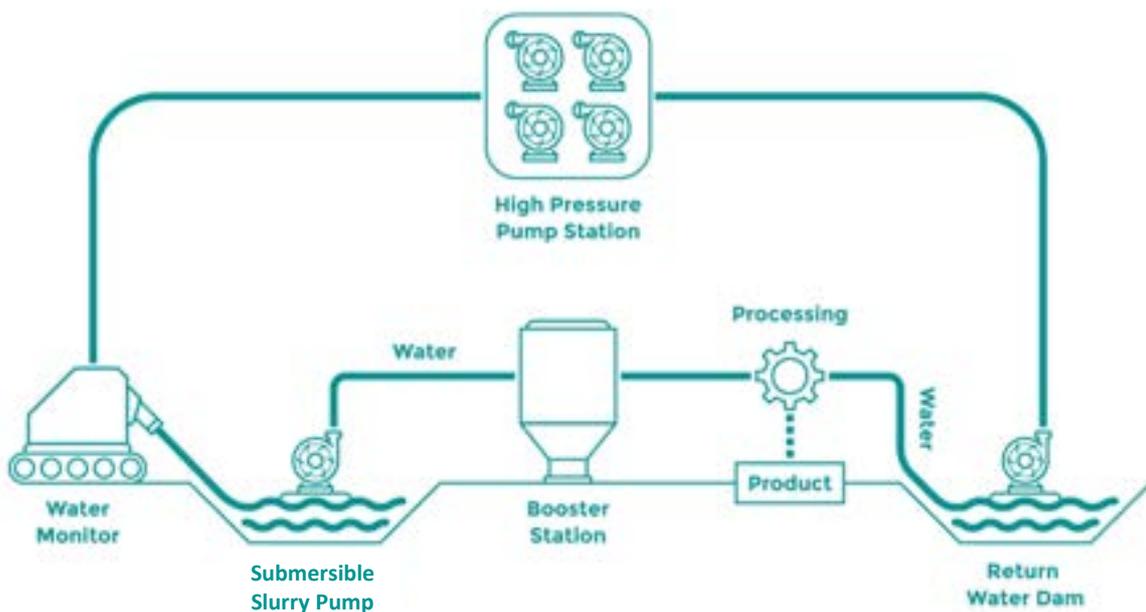
Our systems can be operated remotely using a simple tablet interface, ensuring the safety of operators while maximising efficiency.



Modular design of all equipment for simple site establishment and scale-up.

## The Process

Track-mounted, remote operated water cannons project a high-pressure jet of water to the target material in planned sections. The resulting slurry gravity feeds to a collection sump for pumping to a nearby booster station and onwards for re-processing.





# Pelletising

Our pelletising technology compacts tailings into stable pellets, which can then be further processed to extract remaining valuable metals or safely repurposed.

## Modular Design 01

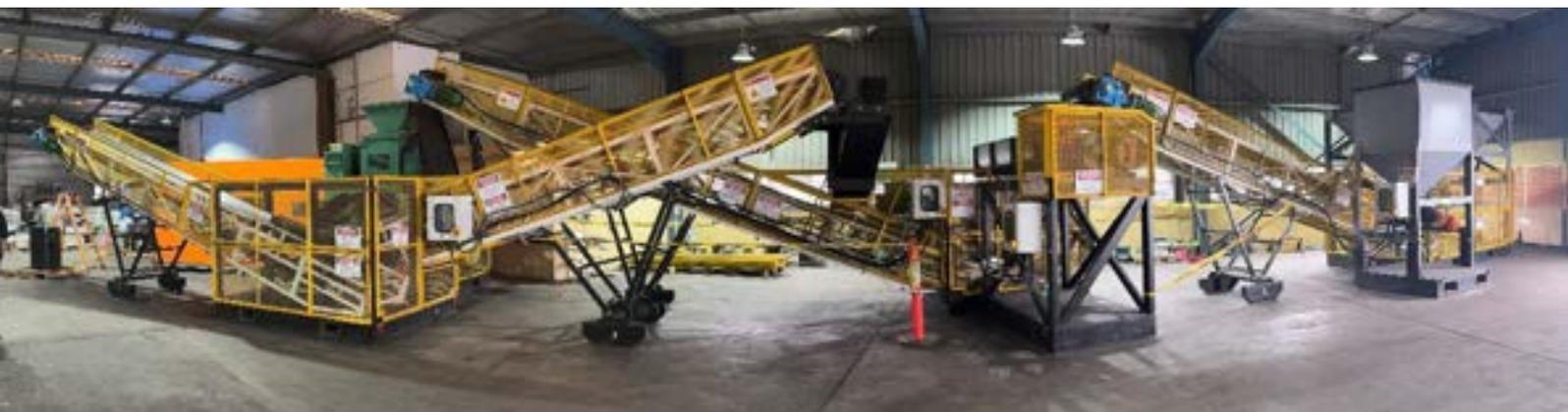
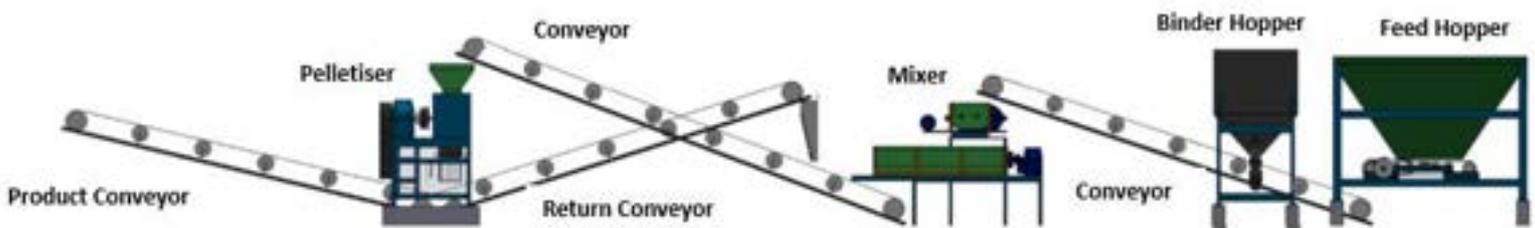
We offer a modular design of equipment for simple site establishment and scale-up.

## Full Turnkey Solution 02

We are able to deliver a unique full turnkey solution tailored to your business' tailings reclamation needs.

## The Process

Reclaimed tailings or process tailings are mixed with binders and water (if required). The tailings and binder mix are fed into a multi-step pelletising unit which reduces malformed pellets. The pellets are compressed and discharged to a fines screen which recovers any non-pelletised material that is returned to the process. Pellets are discharged and processed according to the client's requirements.



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# Capability | Dewatering Solutions

We offer specialised solutions to deliver cost-effective and environmentally sustainable water treatment. Our team are experts in reclamation and rehabilitation, offering comprehensive pit dewatering and water treatment solutions.

As your partners in success, our mine site experienced team is dedicated to ensuring that you have the support you need every step of the way. From initial consultation to installation and ongoing maintenance, we're here to help you achieve optimal dewatering efficiency.

## Dewatering Pumps

Our dewatering pumps are designed specifically for the challenges of mining operations. These skid-mounted pumps are versatile, capable of being swiftly deployed for dewatering both surface and underground operations.



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## Water Evaporators

A rapid solution to excess water challenges in your mining operations. Water evaporators are designed for efficient evaporation, utilising advanced technology to accelerate the process.

A single evaporator can evaporate up to 1.5 million litres per day and multiple units can be installed to achieve the required water consumption.



## Relocatable Water Treatment Plants

Our cutting-edge relocatable water treatment plants are designed to treat up to 2 ML/day to meet your environmental discharge requirements.

- Easily relocatable and scalable using multiple modules
- Environmentally conscious without compromising efficiency.



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# Capability | Specialist Equipment

We supply rapid response and fit for purpose solutions for your business' unique requirements.

Specific equipment can be rapidly and efficiently obtained on your behalf to solve complex issues.

Our network of global partners are vital in offering our end-to-end service – together we can provide tailored solutions and supply the right equipment for your operation.

## Equipment Options:

- Renting available
- Option to rent to buy
- Option to buy to own
- Various models to suit your requirements
- Wet/dry hire

## Amphibious Excavator

Designed to navigate challenging terrains, amphibious excavators offer unparalleled accessibility and superior efficiency making them the perfect solution to access previously flooded or saturated areas including tailings and pit re-entry in mine sites.



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# Long Arm Excavator

We supply long arm excavators to suit your specific project requirements. Previously, we have used long arm excavators to access areas that couldn't be reached otherwise in tailings reclamation projects.



## Skid Steer

Typically used in day-to-day hydraulic mining operations, our skid steers are perfect for operational tasks.

### Key Features:

- Engine Power, 75 Hp
- Rated Operating Capacity 1200kgs
- Strong Power, high reliability, low noise
- Pilot Handles
- Double Accelerator Control
- Closed Hydrostatic Traveling System
- Unique Vertical Lifting Working Unity
- Standard Quick Coupler
- Standard Hydraulic Horizontal Hoisting



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# Hydraulic Canons

Our hydraulic canons directly support tailings reclamation and hydraulic mining operations. Contact us to discuss the canon's specifications.



## Contact Us



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If you're looking to experience innovation and excellence at your business, get in touch with us today.

A large teal graphic at the bottom of the page, consisting of several overlapping geometric shapes that create a modern, abstract design.