

Shaping *what comes next*

Transforming mining landscapes into safe, stable and productive environments

Rehabilitation that creates enduring value

Thiess Rehabilitation is a dedicated service that transforms mine sites into safe, sustainable landscapes, creating long-term value for communities, industry, land-owners and the environment.

Backed by the capabilities of the Thiess Group, Thiess Rehabilitation delivers end-to-end rehabilitation services including:

- comprehensive mine closure projects including void reshaping,
- post-mining land transformation including alternative land uses,
- progressive rehabilitation, and
- supporting civil earthworks.

Thiess Rehabilitation provides the technical expertise, operational excellence and global scale to deliver successful outcomes, for projects of all sizes, stages, commodities and requirements.

At a glance



+12,500

Hectares of rehabilitation globally since 2007



Delivery

capabilities across Australia, Asia and the Americas



Experience

with hard-rock, coal and critical minerals



Solutions

for open-pit and underground rehabilitation



Supported

by one of the world's largest mining fleets



Proven

autonomous earthmoving solutions



Recognised

by NSW Resource Regulator for best practice on complex landforms



Award-winning

river diversion and water management



Adapting

existing infrastructure for renewable energy and pumped hydro developments

Our approach

*Every rehabilitation project is different. Whether delivering a client-defined scope or a fully integrated solution, Thiess Rehabilitation provides services across **PLANNING**, **PRODUCTION** and **PERFORMANCE**.*

Thiess Rehabilitation's approach combines practical engineering, unmatched mining and earthmoving experience, operational excellence, innovative technologies and rigorous quality assurance, with a focus on flexible delivery models and risk reduction for clients.

With meaningful Traditional Owner engagement, Indigenous economic participation, and industry-leading ESG and decarbonisation initiatives, Thiess Rehabilitation delivers efficient, compliant and sustainable rehabilitation outcomes safely and with certainty.

PLANNING

Practical, cost-effective rehabilitation designs and strategies that optimise landforms, minimise earthworks and manage project risks.

Rehabilitation planning services include:

- Rehabilitation planning, costing and scheduling
- Geotechnical engineering, final landform design and constructability assessment
- Earthwork optimisation and material movement reduction
- Closure planning support and project risk reduction.



PRODUCTION

Safe and efficient delivery using industry-leading earthmoving capability, advanced technology and disciplined project controls.

Rehabilitation production services include:

- Large-scale earthworks, blasting and landform construction
- Void reshaping and waste rock dump rehabilitation
- Raise boring and underground infrastructure
- High-precision machine guidance
- Autonomous earthmoving solutions
- Watercourse diversions
- Water management, drainage and erosion control
- Tailings and ash storage, including management of acid-forming materials
- Topsoiling, growth media, revegetation and habitat establishment
- Quality-controlled construction and project delivery.

PERFORMANCE

Rehabilitation outcomes are measured and monitored to meet design specifications, regulatory obligations and client expectations.

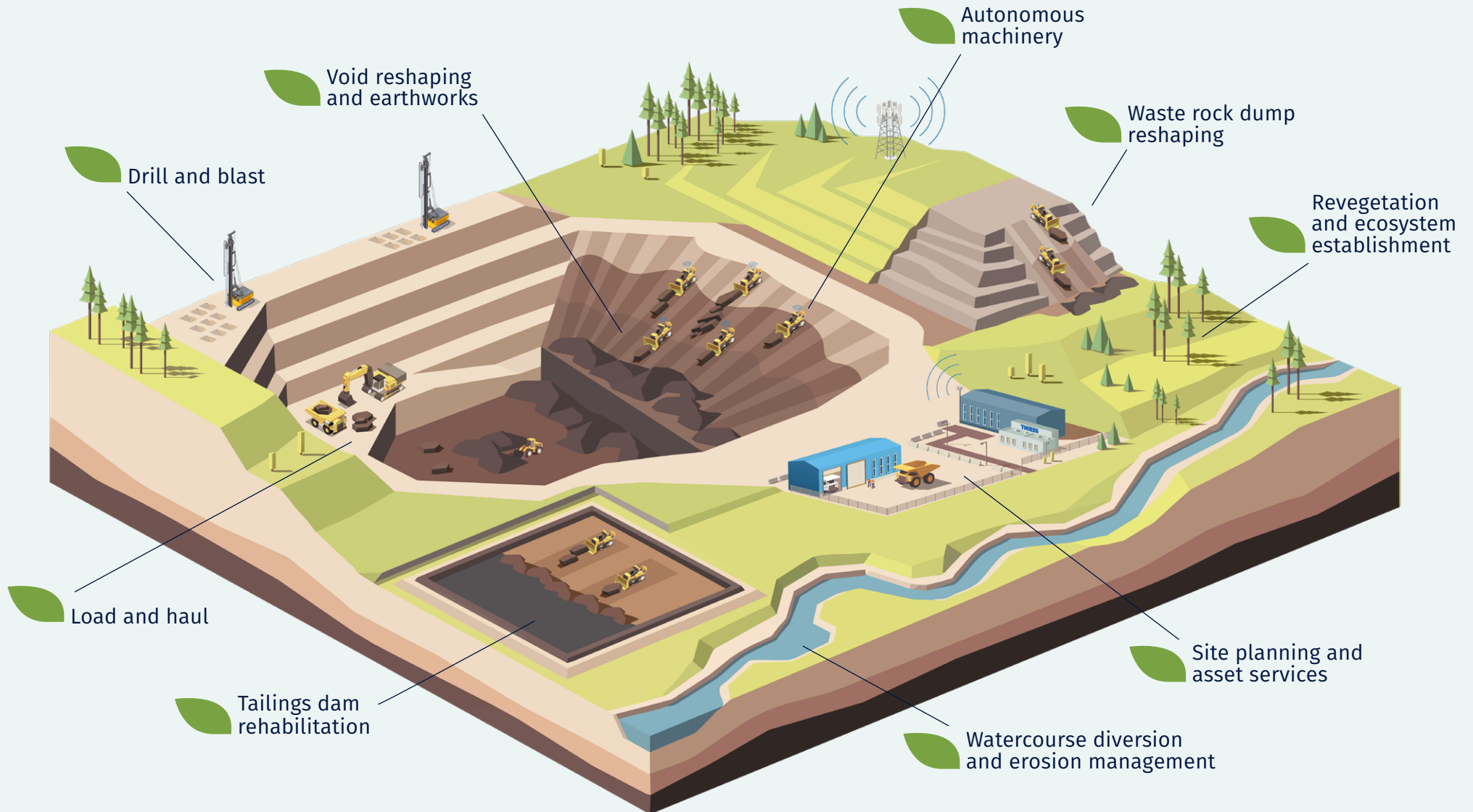
Rehabilitation performance services include:

- Inspection and Test Plans (ITPs)
- Compliance monitoring
- Survey, data capture and digital conformance reporting
- Audit-ready documentation and records.



Rehabilitation in action

End-to-end rehabilitation services that transform mining landscapes into safe, stable and productive environments.



Proven rehabilitation delivery

Case study

MUSWELLBROOK COAL MINE

FULL VOID RESHAPING PROJECT WITH OPTIMISED COST REDUCTION

HUNTER VALLEY, NSW, AUSTRALIA

Thiess Rehabilitation delivered void and waste dump rehabilitation at Muswellbrook Coal Mine, transforming disturbed mining areas into stable landforms capable of supporting native ecosystems and future grazing land uses.

Through optimising the landform design and project plan, Thiess Rehabilitation reduced the required total material movement by 20%, reducing costs while maintaining long-term rehabilitation objectives. Thiess delivered the project with full statutory control and site management, completing the project with no recordable injuries, to design and on schedule.

Key outcomes:

- Cost reduction by optimising landform design resulting in in 20% reduction in total material movements.
- 156 ha rehabilitated to pasture and native ecosystem landforms.
- Delivered 12 million cubic meters of material movement including drill and blast, load and haul, and bulk dozing services.
- Constructed over 19km of contour drains and more than 3.5km of engineered water management infrastructure.
- Delivered as an end-to-end project including statutory control.



Case studies from across the Thiess Group

MOUNT PLEASANT OPERATION

PROGRESSIVE WASTE ROCK DUMP REHABILITATION USING GEOFLUVIAL LANDFORMS

HUNTER VALLEY, NSW, AUSTRALIA

Thiess Rehabilitation has delivered complex rehabilitation of 207 hectares to date, recreating natural geofluvial landforms across waste rock dumps. The rehabilitation design supports long-term landform stability, erosion resistance, closely replicating natural surface runoff flow paths. Habitat creation and connected wildlife corridors, have delivered a landscape that integrates with the surrounding woodland.

This project has achieved regulatory recognition for leading practice in construction quality assurance utilising the Thiess Inspection and Test Plan (ITP) framework.



LAKE VERMONT

AUTONOMOUS REHABILITATION EARTHWORKS

BOWEN BASIN, QLD, AUSTRALIA

At Lake Vermont, Thiess has been operating one of the world's largest active semi-autonomous tractor systems (SATS) fleets since 2021 for production and rehabilitation dozing.

Rehabilitation at Lake Vermont has included mine plan integration, topsoil management, water management construction and UAV mapping to support progressive rehabilitation of 480 hectares to date.

KIDSTON PUMPED HYDRO PROJECT

REPURPOSING A LEGACY GOLD MINE FOR RENEWABLE ENERGY

FAR NORTH QUEENSLAND, AUSTRALIA

The 250MW Kidston Clean Energy project was the first in the world to successfully transform a disused gold mine into renewable energy infrastructure. It is Australia's first pumped hydro storage project in more than four decades and the third largest electricity storage device in the country.

Underground experts PYBAR, a Thiess Group company, delivered 970 metres of specialised raise boring shafts, critical for transforming mining pits into pumped hydro assets.



Case studies continued



RUM JUNGLE URANIUM MINE

INDIGENOUS EMPLOYMENT AND CIVIL WORKS FOR LEGACY MINE REHABILITATION

DARWIN, NT, AUSTRALIA

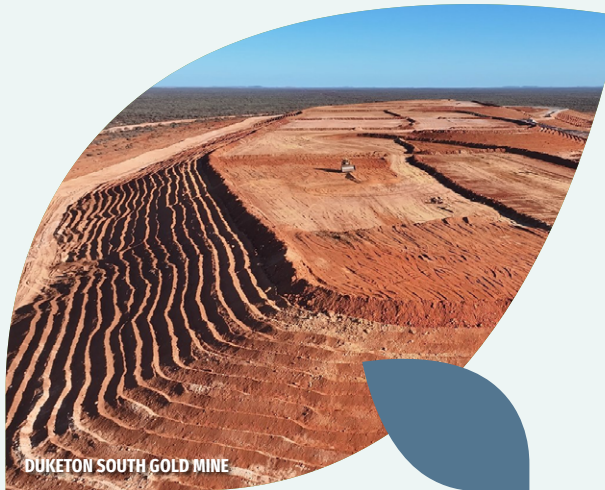
RTL, a Thiess Group company specialising in civil earthworks and mining services, delivered critical enabling works for the rehabilitation of the Rum Jungle Uranium Mine, including haul road construction and a culvert creek crossing. The project focused on maximising Indigenous partnerships; First Nations peoples represented 44% of the workforce and Indigenous-owned businesses accounted for 24% of project spend.

DUKETON SOUTH GOLD MINE

PROGRESSIVE REHABILITATION OF AN ACTIVE HARD-ROCK SITE

GOLDFIELDS, WA, AUSTRALIA

MACA, a Thiess Group company, has progressively rehabilitated approximately 177 hectares of Duketon South Gold Mine, delivering landform reconstruction, drainage systems, bulk earthworks, topsoil placement and seeding to support long-term closure objectives. Rehabilitation has been integrated with ongoing mining operations and undertaken in consideration of the unique challenges of the Western Australian environment.



YALLOURN AND LOY YANG COAL MINES

RIVER DIVERSION AND ASH POND MANAGEMENT

LATROBE VALLEY, VIC, AUSTRALIA

RTL, a Thiess Group company, delivers mining, civil and rehabilitation scopes across the Yallourn and Loy Yang mines. This has included the award-winning Morwell River diversion through the Yallourn Mine and ongoing significant ash pond reclamation projects at the Loy Yang Mine. RTL has completed extensive progressive rehabilitation on both sites, integrating final land use transformation with ongoing mining operations.

Why choose Thiess Rehabilitation?

THIESS

rehabilitation

Successful rehabilitation requires more than just environmental expertise and earthmoving experience. It also demands the capability to manage complex geotechnical environments, engage stakeholders, apply advanced earthmoving technology, and maintain strong project and cost controls, in order to deliver regulatory compliant audit-ready outcomes.

By partnering with Traditional Owners and Indigenous businesses, and maintaining a focus on ESG and decarbonisation, Thiess Rehabilitation creates lasting environmental, social and economic value.

To shape what comes next on your site, contact Thiess Rehabilitation below.

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Thiess Rehabilitation has been an outstanding partner at Mount Pleasant Operation, consistently delivering rehabilitation outcomes that meet design, safety, and environmental objectives.

Their team combines strong technical capability with a genuine commitment to quality, successfully delivering geomorphic landform construction, drainage works, shaping, topsoil placement, ripping, seeding, and tree planting.

Supported by effective project management and a strong sense of ownership, Thiess has proven to be a reliable and trusted contractor across all stages of mine rehabilitation."

- Michael Redman, General Manager Operations, MACH Energy

