

THIESS means autonomy



Proven remote operating capability

World first operation to remotely control offsite:

over **520 miles away**
SATS dozers, Brisbane to Lake Vermont

over **490 miles away**
Autonomous drills, Brisbane to Mt Arthur



Thiess combines leading-edge insight with extensive operational experience to provide a range of autonomous services, helping our clients realize the benefits of automation.

fact sheet



Autonomous haulage systems



Autonomous drilling systems



Semi-autonomous tractor systems



Remote operations



Scan the QR code to learn more about the Thiess team in North America.

As a leader in autonomous mining services, we deliver sustainable operations through enhanced safety, increased productivity and improved efficiency. We partner with OEMs and clients to deliver an integrated solution, with our expertise and experience spanning autonomous drilling and haulage systems, and semi-autonomous tractor systems.

Why autonomy?

Improved operational safety:

- Since our first autonomous operations commenced, zero autonomy-related injuries have been reported.
- Removes people from high-exposure active mining environments.
- Provides greater fatigue management.

Reduced operating costs:

- Increased availability, utilization and productivity.
- Improved quality and reduced variability.

Innovation:

- We innovate by integrating advanced autonomous technologies, enhancing safety, productivity, and sustainability while delivering measurable performance improvements and supporting ESG commitments for competitive advantage in mining.

People:

- Opportunities for our people to upskill for careers of the future.

THIESS

Our autonomy services

We combine our engineering expertise, relationships, operational experience and systems to provide a range of autonomous services.

Autonomous haulage systems

21 autonomous CAT® haul trucks

55 million tons moved

800K miles travelled



Autonomous drilling systems

9 autonomous drills
3 Epiroc, 6 CAT®

4 million linear yards drilled

20% improvement in drilling performance

up to **8% reduction** in fuel use

up to **22 hours per day** drill utilization



Semi-autonomous tractor systems (SATS)

6 dozers (SATS)

25 million tons moved

25% improvement in dozer utilization

up to **23 hours per day** dozer utilization



Equipping our people for the future of mining

We provide **training and career pathways** in autonomy

100+ operators upskilled to become autonomous controllers

600+ team members upskilled in autonomous processes and operations



About Thies

Thies delivers sustainable solutions in open cut and underground mining in Australia, Indonesia, Mongolia and North and South America. Established in 1934, Thies operates across diverse commodities, geologies, environments and cultures.

Thies' success over the past 90 years is built on our commitment to listen and understand the business needs of clients so we can safely deliver value and certainty.

We partner with our clients to develop effective and sustainable solutions, leading ESG practices and strong community engagement. Our pioneering spirit drives superior performance in the face of any challenge, from autonomous mining and climate change to deep mining and reclamation.

Across our operations, safety underpins everything we do. We're committed to keeping everyone safe everyday by providing a workplace that's both physically and psychologically safe.



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THIESS