

THIESS means underground mining



Thiess works collaboratively with our clients on fully integrated underground mining solutions and a range of specialist capabilities.



Let's talk more about underground mining. Scan the QR to book a meeting with Thiess at MINExpo.

Mine development

We provide safe and efficient underground mine development services, focused on rapid project delivery for early commencement of production.

Our services include:

- boxcut and portal establishment
- decline, incline and level development
- mine infrastructure.

Shotcreting

Our services include the supply of batching plants, purpose-built underground agitators and spray units that support in-cycle shotcreting, rehabilitation and highwall and portal stabilization.

Production mining

We are constantly refining processes and optimizing productivity.

Our capabilities include:

- boxhole boring machines for slots
- longhole production and slot raise drilling
- teleremote bogging with guidance technology
- emulsion explosives and electronic detonators
- production drilling and hole surveying, quality assured at regular intervals
- bulk mining methods.

fact sheet

Raise boring

We provide conventional raise boring, up-hole boxhole slot drilling and down hole slot reaming for ventilation and ore production applications. Our fleet includes track mounted raise drills and mobile rig carriers, allowing for independent relocation of raise bores in mines and improved operator safety. We can also provide equipment to remove raise cuttings, as an independent solution.

Case study

UNDERGROUND DEVELOPMENT AND PRODUCTION PROJECT

Underground mining specialist, PYBAR, a Thies company, were awarded a contract to carry out decline development and production mining in the form of a sub-level cave (SLC), including establishing a portal off a historic open pit. The SLC was intended to extract a high-grade chalcocite ore body with a target of 1.6Mt. An additional scope of work was granted to include a sublevel open stoping (SLOS) block.

To date, PYBAR have mined over 2.5Mt of copper ore via the SLC and SLOS, and completed 11km of development, 299,000 production drill metres and 8.9M tkm of haulage.

Challenges included development adjacent to historic underground workings, hot reactive ground, the management of the sub-level cave draw in and around an existing open pit, and a corrosive rock mass requiring frequent rehabilitation and replacement of the ground support elements.

The mobile fleet owned, operated, and maintained by PYBAR has averaged 94.7% availability over the last four years, setting new standards within the business for fleet availability.

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.



Let's talk more about underground mining. Scan the QR to book a meeting with Thies at MINExpo.

THIESS