ARTISANAL & SMALL-SCALE MINING CONDITIONS

From artisanal mining to safer, productive small-scale mining

IronBridge's support model is designed around the real operating constraints faced by independent artisanal miners, small-scale mine operators and syndicates. The objective is not to replace capable miners, but to strengthen their operations with practical equipment, safety systems, training, site support and structured sponsorship so that viable shafts can progress toward safer, better organised and more productive mining.

COMMON CONDITIONS IRONBRIDGE AIMS TO ADDRESS

- Unsafe or poorly protected shaft entrances
- Improvised winches and lifting arrangements
- Miners working without suitable PPE
- Unsafe underground access and crude ladders
- Manual ore carrying and labour-intensive handling
- Dusty or unguarded crushing and processing
- Inadequate shaft support and ground control
- Water ingress, flooding and weak dewatering capacity
- Limited first aid, communications and site welfare support

WHAT IRONBRIDGE SPONSORSHIP CAN ADD

- PPE and mine-site safety readiness
- Improved winch, rope and ore-lifting systems
- Basic mining training, induction and supervision
- Two-way communication, alarms and warning systems
- First-aid equipment and emergency preparedness
- Generators, compressors, jackhammers and selected tools
- Food provisions and essential mine-site consumables
- Better shaft support, lighting and site organisation
- Partnerships focused on properly registered mining ground

FROM THE GROUND TO A SAFER, STRONGER OPERATION

The following gallery is an illustrative visualisation of common artisanal and small-scale mining conditions and the types of interventions IronBridge may support. It is not presented as a photographic record of a specific IronBridge mine site or sponsored project.

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STRONGER COMMUNITIES.

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ARTISANAL & SMALL-SCALE MINING CONDITIONS GALLERY

Common risks and operating challenges addressed by IronBridge


Unsafe Shaft Entrance


Improvised Winch Systems


Lack of PPE


Unsafe Underground Access


Manual Ore Handling


Unsafe Crushing & Processing


Poor Shaft Support


Water & Flooding Risks


Limited Site Support

SAFER OPERATIONS | RELIABLE EQUIPMENT | STRONGER COMMUNITIES | SUSTAINABLE SUPPLY CHAINS

FROM THE GROUND TO A BRIGHTER TOMORROW.

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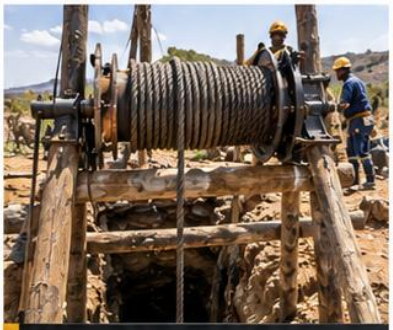
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IRONBRIDGE SUPPORT & SAFER MINING GALLERY

How IronBridge improves safety, productivity and mine readiness


PPE & Safety Readiness


Improved Winch & Lifting



Training & Supervision



Communication Systems



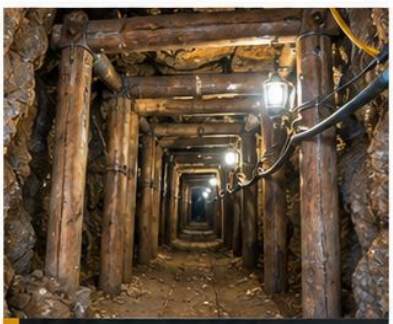
First Aid Support



Equipment Sponsorship



Food & Site Provisions


Shaft Support & Lighting



Registered Claim Partnership

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