



Improving productivity and safety in underground maintenance bay



REGION

South Australia



COMMODITY

Copper



MINE TYPE

Underground



SOLUTIONS

x-Glo Long Range



METRES SUPPLIED

562m



Challenge

This South Australian copper mine planned to build a new underground maintenance bay and sought to move away from the traditional lighting they had used in the past as this created dark spots and shadowing.

Equipment maintenance is crucial in underground mining and a critical part of the mining process. To optimise production and safety, mining equipment needs to undergo regular maintenance that is carried out in underground workshops to reduce equipment downtime.

Ensuring the correct type of lighting is installed makes it easier to identify hazards while enabling work to be carried out safely and efficiently.

“We wanted to create an environment that would set employees up for success and part of that is creating an environment where hazards can easily and quickly be identified.”

- Underground Projects Manager

Requirements

- Eliminate dark spots and shadows
- Provide an even flood of light
- Improve worker wellbeing
- Reliable and long lasting
- Easy to install
- Enable a productive work environment

Solution

MineGlow supplied 160m of their x-Glo 60-36V and 392m of their 24-36V Long Range LED strip lighting. The 60LEDs per metre solution is ideal for hazardous areas and areas such as maintenance bays and workshops, where attention to detail is needed, and a high frequency of work needs to be carried out.

MineGlow's x-Glo range delivers a higher lux level than traditional lighting, ensuring a brighter, continuous flood of illumination over the complete area with no shadows and dark spots. The 6500K white output is also ideal when working with the equipment's wiring, as their colour coding is easily distinguishable.

Results

- ✓ Reduced power consumption
- ✓ Improved productivity and safety
- ✓ Eliminated shadows and dark spots
- ✓ Reduce maintenance downtime

Outcome

Following the success of the first installation, the mine has since purchased an additional 645m and is now looking to install MineGlow's x-Glo lighting for their underground office areas.

“From quote to delivery, MineGlow provided a great service. They were fast to respond, offered competitive pricing, and had a very collaborative approach in helping with the engineering design.”

- **Underground Project Manager**



BEFORE MINEGLOW



WITH MINEGLOW

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