

Safeguard your most important assets.



Health and safety in mining with Axis

Ultimately, the success of your mining operation comes down to people. Protecting them is priority one—and any way you can make working conditions safer will pay for itself in better productivity, job satisfaction, and fewer stoppages due to accidents.

Axis network solutions can be a powerful complement to your existing safety programs.

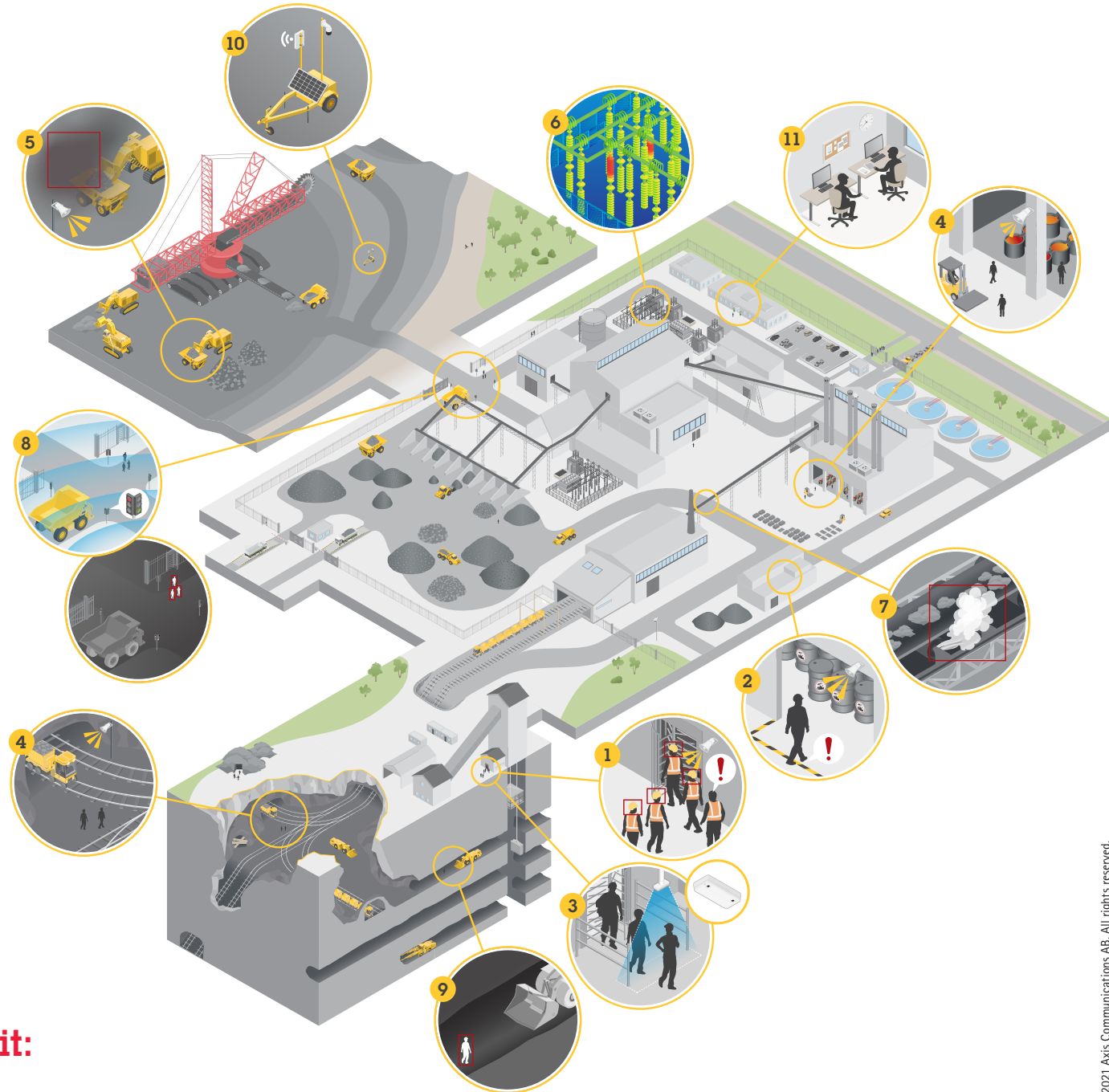
From radar, thermal monitoring and cross line detection to automated personnel counting support, PPE detection, and high-danger area access control, Axis can add innovative new opportunities to protect your people in varying work conditions, above and below ground. Your solution can even be used as an analytic and training tool, providing new insights into personnel behavior and potential corrections.

Axis solutions are also all based on the open-platform concept. That means they are simple to integrate with your existing systems, and always ready for new technology and capability upgrades, future-proofing your investment, while giving you a proactive way to handle safety in the workplace.



Axis network solutions for mining.

- 1 PPE detection.** Support safety policies with cameras using analytics software to recognize personal protective equipment (PPE) adherence and audio solutions for warnings and automated reminders.
- 2 Hazard warning.** Support protection of personnel around dangerous areas or situations with cameras using intelligent analytics. Pre-recorded or live warnings are triggered when virtual lines are crossed.
- 3 People counting** to support awareness of number of people present in different areas, with a camera and people counting analytics.
- 4 Preventive alerts** with integrated audio for sharing important pre-recorded or live non-emergency information above or below ground.
- 5 Monitor health risks for staff.** With cameras verifying alerts from air quality sensors, people are warned about bad air quality and asked to put on PPE, like masks, through live or pre-recorded messages on horn speakers.
- 6 Supplementary fire pre-detection.** Temperature alarm cameras detect potentially overheating of equipment and possible imminent fire risk.
- 7 Smoke detection** to prevent fires. Increase possibility to detect smoke development at early stage with analytics on visual camera.
- 8 Traffic management** to avoid accidents. Monitor traffic situation with thermal cameras and radar that detects speed, distance, direction /angle of movement.
- 9 Protect people from large vehicles.** Thermal cameras on walls or heavy equipment to help detect personnel in dark and dusty tunnels or transit zones, alerting operators.
- 10 Blasting area evacuation support.** Mobile camera trailer solutions mitigate risks and work as a complementary safety addition to your blasting area evacuation procedures.
- 11 Training and improvement.** Using captured incidents saved for down-the-line assessment of problem areas, and development of potential corrections to safety protocols.



For more information, please visit:
www.axis.com/mining