HOW AN AUSTRALIAN COAL MINE ENHANCES COMPLIANCE WITH AN ACCESS CONTROL SOLUTION FOR KEYS

Meandu Mine is a coal mine in Queensland, Australia. It is owned by Stanwell Corporation and operated by Downer Mining. The mine has five active working pits.

The on-site team faced challenges with a legacy key management system. Despite using competitor key cabinets, staff used paper-based registers to monitor and track key transactions. The old key cabinets had generic pin codes that allowed unrestricted key access to all staff.

As a result, keys were often taken offsite, sometimes ending up in the pockets of staff members who unknowingly took them home. This inefficient key management system resulted in unrestricted access to explosives and raised other compliance and risk concerns. Maintaining compliance with Standard Mining License 2187 (to regulate the storage, transport, and use of explosives) was at risk. The situation presented unacceptable risks to reputational damage, physical theft, and safety.

Management soon realized they needed a key management system to take control of keys. So, they turned to Torus and 1 Torus-15 cabinet has been installed till date. With Torus they now have a single platform to monitor and control access to keys in real-time. Only authorized staff can access keys and if keys are not returned, Torus software sends real-time alerts ensuring accountability and prompt return of the keys. Now that their keys are in control, Meandu mine is saving enormous time every year.

THE CHALLENGE	THE SOLUTION	THE SAVINGS
15 KEYS TO MANAGE	**$11K UPFRONT**	**1,040 HOURS PER YEAR**
✕ Unrestricted access to explosives	+ 1 Torus -15 cabinet configured and installed	✓ ROI = 2 months
✕ Paper-based monitoring	+ Control and real-time visibility for keys at anytime	✓ $4k saved on replacing keys and locks
✕ Lack of control and accountability	+ Alarms if keys are missing or not returned on time	✓ Eliminated time spent by staff manually managing key movements on paper
✕ Keys would often leave site and get lost	+ Comprehensive dashboard and reporting	✓ Effectively remove the risks of compliance
✕ Compliance risk	+ Increased security	

" "We needed a system that would manage authorization of different levels of keys and help us track key movements. Torus delivered a robust key management that allowed us to track personnel, set up alarms, notifications and even pull reports if the keys were left past a certain time. With real time SMS and email notifications we can straight away now contact the person if the key is missing. This made it so easy to operate even from off site, without compromising the security of our explosives on site."

Site Manager, Meandu Mine