

CAPABILITY OUTLINE

Heavy Mobile Equipment Overhauls

About SMW Group

SMW Group is a leading one-vendor supplier and contractor for the mining industry.

SMW provides the complete package, from innovative engineering-led design through to project management and delivery, full-service fabrication and mechanical workshops in Rockhampton and Mackay, in-house abrasive blasting and painting, plus long-term servicing and maintenance.

HME OVERHAUL-SPECIFIC CAPABILITIES

- In-house design and engineering to improve durability
- Mechanical rebuilds and overhauls
- Fabrication of any necessary components to OEM and recommissioning standard
- Full in-house abrasive blasting and paint capabilities
- Workshops in close Bowen Basin proximity
- Robotic welding and Ultralift crane eliminator mean our overhauls are completed quickly and cost-efficiently
- Ongoing product support

Recent projects

In the last 12 months, these are just some of the HME projects that have come through the SMW Group workshops:



D11 Dozer – full mechanical rebuild and re-paint



Grader – full rebuild, component fabrication and re-paint



Water Tank – full mechanical rebuild and fabrication overhaul



Workshops conveniently close to site

SMW Group has a presence in both Rockhampton and Mackay, making our workshops conveniently close to the majority of Bowen Basin sites. Each workshop is located in an industrial area for 24/7 operation, meaning your overhauls can be completed in the shortest possible timeframe.

Our Rockhampton workshop is supported by an in-house abrasive blasting and painting facility, so equipment leaves our workshop ready to be recommissioned and get back to work.

See over the page for some of the industry-leading innovations in place at our workshops to have your overhauls completed in record time.

Industry-leading innovation

Our workshops have been the birthplace of major industry innovations, including our robotic welding capabilities and our Ultralift complex crane lift solution.



ROBOTIC WELDING

Capable of numerous repair, rebuild and new manufacturing tasks, SMW Group's PCAW Robot eliminates labour costs, reduces timeframes and improves quality and safety outcomes.

The system also has real-time quality control and reporting. Video monitoring, root gap analysis and multipass assessment are all in real time and data logged.

The advanced technology built into the robot allows for precision capabilities and basic welds that are completed quickly and without need for extensive rework.

REAL-TIME OVERHAUL FEEDS

SMW Group has adapted to travel restrictions and now provides a simple yet effective method for site personnel to monitor offsite rebuilds and overhauls.

Our real-time live overhaul feeds allow for progress reporting, accountability, quality control and save several hours of travel each way for site personnel who would otherwise conduct in-person inspections.

For real-time feeds on your next project, talk to our team.



Camera 01



Camera 02



Camera 03



Camera 04

Case Study: Kress Hauler Fleet overhaul

SMW Group are completing an overhaul of an entire Kress coal hauler fleet. Each individual vehicle overhaul takes an average of 12 weeks, with the end-to-end scope entirely completed on-site in our Parkhurst workshop, by our team of qualified trades.

Scope:

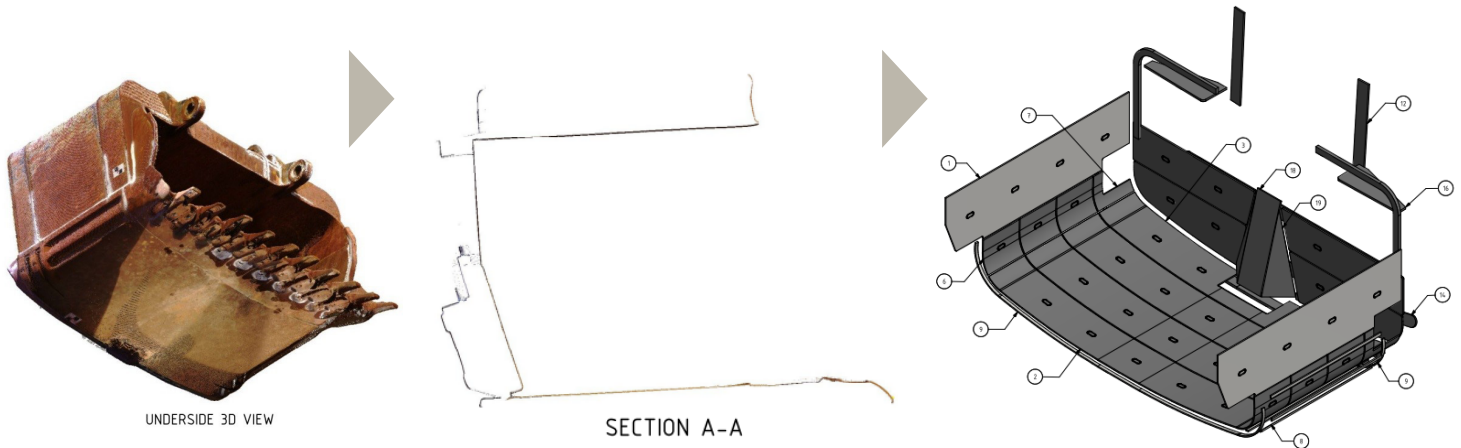
- Engine full mechanical rebuild or replacement
- Electrical re-wiring
- Fabrication upgrades and repairs
- Abrasive blast and re-paint



Capability: 3D Scanning

Enabling repairs with accurate and detailed damage and wear records, as well as custom-manufactured solutions for existing plant and equipment.

SMW Group now has 3D Scanning capability, with our FARO Focus 3D X330 scanner. This gives us a detailed point cloud and working models of any component or environment, which our engineering teams use to complete accurate, reliable and long-lasting repair work.



▲ Component Repairs

- Using 3D Scanning to capture accurate data
- Custom repairs, liner packages and damage reporting
- Completed in-house by our fabrication teams
- Technology enables easier reporting, site record-keeping and full QA methodology

Custom Maintenance Packages ▼

- Each piece of equipment is different - and we can create tailored liner packages thanks to 3D scanning
- Part numbers are assigned to each liner/item, related back to your ID numbers
- If only one section requires repair in future, we can fabricate a custom liner for your specific component

