

smwgroup

engineering continuous improvement



AUTOMATION & INNOVATION

Capability Statement

SMW GROUP ARE THE
HEAVY FABRICATION
SPECIALISTS.
WE HAVE THE
EQUIPMENT, THE
PERSONNEL AND THE
RIGHT ATTITUDE
TO GET ANY HEAVY
FABRICATION
PROJECT COMPLETED
EFFICIENTLY,
EFFECTIVELY AND
ON TIME.



About SMW Group

Our industry-leading innovation and automation approach to projects means that when you contract SMW Group, you are taking advantage of cutting-edge technology to have your project completed faster, smarter and more efficiently.

With workshops in Rockhampton and Mackay, our team of over 300 staff is experienced and disciplined in quality, safety and efficiency. Our clients return to us time and time again, thanks to the integrity of our safety and quality work focus, the ease of undertaking projects and our continued efforts in customer service and relationship development.

WHY WORK WITH US?

SMW Group is committed to building client relationships for the long term, and providing exceptional value through innovative approaches to every job.

Our team and facilities are ready and able to support and collaborate with major companies thanks to a number of key factors:

- We are accredited to ISO9001, ISO 45001, AS/NZS 4801, and ready to commence work.
- Our workshop facilities have the capacity to fit up to 15 dragline buckets, excavator buckets or rear dump trays in different stages of repair comfortably together undercover for refurbishment at any one time.
- Our team of skilled tradespeople have experience in heavy industrial, earthmoving, & mining fabrication, repairs and new builds and installations.
- SMW has an extensive database of employees ready to join our team in around the clock shift work operations to get your equipment refurbished and recommissioned in exceptional time.



What Sets Us Apart?

INNOVATION: WE THINK DIFFERENTLY

SMW Group has continually invested in state-of-the-art, industry-leading equipment to support our aim of being "faster, smarter and more efficient".

Our PCAW Robot (see Page 6) is integral in heavy fabrication repairs to automate plasma cutting and save on labour costs, as well as reduce project duration by as much as 60%.

Other unique SMW Group innovations such as our hydraulic lifting and steel waste elimination, as well as our process approach to a fleet overhaul, allows us to deliver an end result that is truly beneficial to the customer. Our Ultralift crane solution has eliminated complex crane lifts in our workshops, reducing both cost and project time, as well as providing safety outcomes.

LOCATION

SMW's workshop locations in Parkhurst and Paget make it simple for us to collaborate with your team. No matter your location in the Bowen Basin or Central Queensland, there's an SMW Group workshop available. We can perform a full fleet refurbishment with lower costs, without compromising on safety. Both of our facilities are licensed to operate 24/7/365. Our extensive workshop facilities, road and rail hub proximity and local operational advantages make us ideal for a refurbishment project that can be completed efficiently and effectively.



FACILITIES

Within our fully equipped, undercover workshop facilities, SMW has the capabilities needed for all heavy fabrication projects large and small, including bucket repairs and builds.

We have:

- Workshop facilities in Mackay and Rockhampton
- Extensive holding yards plus undercover fabrication facilities, to work in all weather conditions
- 700m² abrasive blast facility supported by a 400m² paint booth
- Facility is equipped with extensive lifting equipment, including our exclusive Ultralift solution to quickly and safely move equipment

With dragline, dipper and excavator refurbishment as SMW's core business, we can take your buckets from transport to NDT, extensive repair, reclamation, blasting, painting and transport back to site – all faster, smarter and more efficiently than any other repairer.

Automation at SMW Group

OUR CONTINUED COMMITMENT TO INNOVATION

SMW Group is recognised for our ongoing commitment to continuous improvement and innovation.

Publicly acknowledged as the Queensland Mining Contractor of the Year by the Bowen Basin Mining Club (and a finalist in Innovation and Cost Saving awards), we have also seen innovation sustain our company's growth during difficult years in the mining industry.

Our innovation is driven by the need to meet our customers cost drivers and the desire to stay at the top of our game without effecting safety of our staff or quality in our workmanship.

The introduction of the PCAW Robot meets these criteria, furthering our already cost and time efficient service delivery for fabrication and maintenance service.

SMW AUTOMATED PLASMA CUTTER AND WELDER (PCAW ROBOT)

The SMW automated plasma cutter and welder is a complete robotic solution for heavy industry fabrication and manufacturing needs.

Capable of numerous repair, rebuild and new manufacturing tasks, the PCAW Robot eliminates labour costs, reduces project timeframes and improves quality and safety outcomes.

Tested in heavy industry supply environments and backed up by the reputable Kawasaki brand, the SMW's PCAW Robot revolutionises the way the resource sector looks at fabrication and maintenance.

The system also has real time quality control reporting systems like no other. Video monitoring, root gap analysis and multipass assessment, all real time and data logged.

What can it be used for?

The advanced technology built into the Kawasaki branded robot allows for precision capabilities. The PCAW Robot has undertaken most heavy fabrication and manufacturing projects with any detailed specification required.

- Dragline and excavator bucket: Repair and rebuild
- Dragline, shovel and excavator bucket: New fabrication
- Rear dump trucks: Tray repair, rebuild and new fabrication
- Dragline tub: New manufacture
- Track frame rebuild and new manufacture





Improvement with the PCAW Robot

61.6%

CHEAPER

Cost reduction equivalent to an average 60% saving on all relevant fabrication and manufacturing tasks

46.2%

FASTER

Time saving solution reducing fabrication time by on average 47% across all suitable fabrication tasks

100%

AUTOMATED

Engineering solution to Risk Management, by eliminating manual labour throughout the fabrication process

REAL TIME QA REPORTING

IMPROVED QUALITY ASSURANCE

Improved Quality Assurance through precision robotics, eliminating manual handling error and the potential for inconsistent labour skill throughout fabrication

ISO 9001

ACCREDITED

ISO accredited fabrication and design, with our in-house coding experts and engineers constantly monitoring outputs and progress

Innovation at SMW Group

Our continuous improvement and integration of new technology makes SMW Group one of the premier technology-focused contractors in the industry.

REAL-TIME QA AND UPDATES

SMW Group have recently introduced a live workshop feed for clients undergoing fabrication or refurbishment work at our workshop facilities. This enables a transparent, real-time update on progress, plus means less site visits are necessary.

FULL-FLEET APPROACH

SMW Group has performed complete overhauls, refurbishments and rebuilds on a wide variety of heavy equipment, including full fleets of buckets and trays, from all over the Bowen Basin. We also manufacture our own Ultrahaul trays in-house using the robot.

Our PCAW Robot automation capabilities allow us to significantly cut down on rework and downtime costs. SMW Group's 'fleet approach' to refurbishment of multiple buckets from the same client ensures that we take a full project view of the job and create cost and time-saving efficiencies. For example, we will look at the steel order with a full fleet in mind, eliminating over-ordering and material wastage. We will also take a production line approach, skilling our tradespeople to specific roles during a project for maximum efficiency.



FIT-FOR-PURPOSE SOLUTIONS

SMW Group has never accepted the status quo when it comes to the delivery of a project. If our team of in-house engineers can build a solution to specifically suit the need of a client, we will.

Examples of these fit-for-purpose solutions include:

- Our award-winning hydraulic lifting system,
- Our complete design and build of an amphiroller for an industry client
- The use of automated butt welding system to deliver quality pipe welding.
- The ability to design and build a materials processing plant solution for a client in the Pilbara, Western Australia as SMW's solution was the most cost and time effective.

SMW GROUP WILL
TAKE THE SAME
INNOVATIVE
APPROACH TO ANY
PROJECT THAT WE
ARE AWARDED.



Safety, Systems and Quality

Operating across the Bowen Basin and beyond, SMW Group has developed extensive management systems to ensure our safety, quality and service remains consistently at the highest levels.

We are dedicated to the safety and wellbeing of our team and yours. To this end, we maintain a full suite of safety and quality certifications, including AS/NZS 4801, ISO 9001:2015 and ISO 45001.

SMW Group complies with the provisions of the Workplace Health and Safety Act 2011 and its associated Regulations, Codes of Practice and Australian Standards.

We aim to achieve zero workplace incidents and accidents at all our operations and as such we place the safety of employees, contractors, and the public as our first priority.

SMW Group is committed to working with you to ensure any of your site-specific requirements are incorporated into our procedures where necessary.

We work above Australian and International standards in everything we do, including being supported by:

- ISO 9001 Accredited (including our PCAW robot)
- AS/NZS 4801:2001 and ISO 45001 accredited Safety Management System to ensure continuous improvement of systems
- Safety, Health, Environment, Community and Equal Opportunity Policies and Procedures enforced across our operations
- Notable community supporter with a significant range of sponsorships and other activities supporting CQ



- SMW's innovative PRODUCTION-LINE PROCESSES save time and money
- REAL-TIME QA allows for immediate project progress inspections
- PCAW Robots automation process CUTS PROJECT TIME by as much as 60%
- Robotic and automated processes IMPROVE SAFETY outcomes as well as reduce errors
- DEDICATED RESOURCE PROVIDED to develop scope and assist site in asset management
- IDEAL LOCATIONS in Rockhampton and Mackay, close to the highway and 2 hours from Blackwater
- Experts in DRAGLINE AND DIPPER refurbishment
- ALL OEMS are current SMW Group suppliers
- ISO 9001, AS/NZS 4801 and ISO 45001 CERTIFIED AND COMPLIANT
- STAFF AVAILABLE ACROSS THE BOWEN BASIN available to complete urgent work and backlog repairs at short notice
- LEADER IN FIELD, ancillary and mobile maintenance
- EXPERIENCED on-site and project management staff with hundreds of years of combined experience

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