

# smwgroup

engineering continuous improvement



## Mining

### Capability Statement

# Contents

ENGINEERING CONTINUOUS IMPROVEMENT .....	3
SITE SUPPORT .....	4
HEAVY FABRICATION & MANUFACTURING .....	5
HEAVY HAULAGE TRAYS & BUCKETS .....	6
MECHANICAL & COMPLIANCE.....	7
STRUCTURAL STEEL & CONSTRUCTION.....	8
ENGINEERING & PROJECT MANAGEMENT.....	10
ABRASIVE BLASTING & PAINTING.....	11
ON-SITE SERVICES.....	12
INDUSTRIAL CLEANING.....	13
FIELD MAINTENANCE & SERVICING .....	14
SHUTDOWN SERVICES & HAZREQ CREWS .....	15
COMMUNITY.....	17
HSEQ .....	18

# Engineering Continuous Improvement

*It's what makes SMW Group one of Queensland's most versatile mining services contractors.*

For over 20 years, SMW Group has been a constant presence across mine sites throughout the Bowen Basin and Galilee Basin. Our award-winning innovative approach saves our clients time and money, while pushing the boundaries of what's possible through the integration of the latest technologies.

**When you choose SMW Group for your on-site support services, you're choosing a contractor that's reliable and proven.**

Our one-vendor solutions streamline your operations, from industrial mobile plant and infrastructure cleaning through to major shutdowns, field service, mobile mechanical and fabrication, component repairs and full-fleet overhauls. We have the facilities to complete all your fabrication needs in-house, to well above recommissioning standard. The convenience of our workshops in Rockhampton and Mackay makes us an ideal supplier to any site in regional Queensland.

## **OUR WORKSHOPS PROVIDE OFF-SITE SUPPORT WITH:**

- Heavy fabrication and manufacturing
- New fabrication of heavy haulage trays and buckets
- Refurbishments of heavy haulage trays and buckets
- Mechanical and vehicle compliance
- Structural steel and construction
- Engineering and project management solutions
- Abrasive blasting and painting

## **OUR ON-SITE TEAMS SUPPORT OUR ONE-VENDOR SOLUTION WITH:**

- Industrial cleaning of mobile and fixed plant
- Field maintenance and equipment servicing
- Major equipment and washplant shutdown services
- HAZREQ crews

With over 400 staff across the mining, construction and defence sector, as well as a strong corporate support team in our Rockhampton Head Office, SMW Group are ready to get to work.





# SITE SUPPORT

Heavy fabrication and manufacturing is SMW Group's core capability, with a relentless focus on continuous improvement.

**BHP**



AngloAmerican

**BATCHFIRE**  RESOURCES

**GLENCORE**



**YANCOAL**  
兖煤澳大利亚有限公司

**BRAVUS**  
MINING & RESOURCES

# Heavy Fabrication & Manufacturing

*SMW Group's Parkhurst and Paget facilities are fully equipped and ideally located to ensure timely supply of heavy fabrication services and materials to the Bowen and Galilee Basins.*

## **FROM OUR FACILITIES, WE DESIGN, MANUFACTURE AND DELIVER:**

- Structural steel, including:
  - Roof trusses and beams
  - Ready-to-install steel frames for industrial buildings
  - Walkways, staircases, platforms, ladders and handrailing
- Crushing equipment and screens
- Conveyor systems
- Machine guarding
- Mobile plant repairs
- Repairs to rail wagons and wheel sets
- Full rail wagon manufacture

Our experienced trade professionals can then install and commission on-site. All SMW Group work is covered by our ISO9001 accredited quality assurance program, and our 24/7 live stream cameras ensure that clients can check on progress at any time.

## **Bucket, Tray and Blade refurbishments, from one component to a whole fleet**

With teams of qualified boilermakers running multiple shifts per day, our heavy fabrication workshops are up to any task or timeline.

Whether it's a one-off refurbishment or repair, or a regular fleet overhaul program, we have decades of experience in delivering streamlined, award-winning refurbishments for:

- Rear dump truck bodies up to and including Caterpillar 797, Komatsu 930E and Komatsu 830E
- Dragline, excavator and loader buckets up to 100 metre capacity
- Dozer blades and track frames

## **Spotlight: Pioneers in Robotic Welding**

Using robotic welding units might be becoming mainstream in heavy fabrication, but SMW Group have pioneered the technique for nearly a decade.

SMW Group's award-winning 'welding robot' is a complete robotic solution for heavy industry fabrication and manufacturing needs. This robot can complete basic welds with an average 60% cost reduction and 47% time saving.

The system also has real time quality control reporting systems like no other. The PCAW Robot is most often used in heavy fabrication projects, including dragline, shovel and excavator bucket repairs, rebuilds and new manufacturing.



To find out more about our industry-leading innovation and automation, see the SMW Group Manufacturing Capability Statement.

# Heavy Haulage Trays & Buckets

*New manufacture of custom-designed heavy haulage bodies and buckets for the mining industry.*

With two decades of repair expertise, SMW Group has engineered solutions to the common wear problems and defects that are present in heavy haulage trays and buckets.



## SMW Group's alternative to OEM trays

The Ultrahaul tray is a patented design that eliminates the standard tray faults that most often need repairs and contribute to truck downtime. Australian-designed and made, Ultrahaul trays have achieved 40% efficiency gains over standard trays. Ultrahaul trays are designed specifically for coal haulage and overburden applications and meet the strictest of mining industry specifications.

- Cost effective – maintenance free.
- Custom engineered to site-specific conditions for maximum productivity.
- Proven results of 40% efficiency gains over standard OEM trays.
- Our production line manufactures all trays for maximum delivery speed and reduced manufacturing cost in line with ISO 9001.
- Manufacturing facilities on both east and west coasts means quick to site delivery.



## Buckets that go the distance

The SuperExx heavy line excavator buckets suit common OEM excavators, including Liebherr, Komatsu, Caterpillar and Hitachi – giving your existing equipment key improvements in longevity and productivity.

Whether the buckets are used in a hard rock, coal or mineral environment, each bucket is specifically customised to the site and material, to streamline efficiency and productivity. We engineer for the site's specific material density, plus factors like hang-up, dump height, and site loading procedures.

The lightweight design means an increase in material moved each shift, and our patented bucket pin puller allows for quick and safe bucket change-out for repairs or maintenance.





# Mechanical & Compliance

*SMW Group provides reliable vehicle and plant service, on your site or ours: from full mechanical overhauls to routine compliance and maintenance checks.*

## Vehicle Maintenance, Compliance & Repair

SMW Group's Mechanical workshop is equipped to carry out maintenance, repairs, overhauls and compliance checks on all industrial and earthmoving equipment, medium and light vehicles and ancillary equipment including pumps, lighting, plant and service vehicles.

We provide roadworthy certificates for light, medium and heavy vehicles, either at our specialist facilities or through our convenient mobile roadworthy station. Routine vehicle servicing and breakdown maintenance are also part of the SMW Group service – you can trust us to keep your fleet running.

- Vehicle service and repair – from light vehicles to Heavy Combination and highway trucks
- Roadworthy inspections for any vehicle
- Compliance checks and certifications
- Truck and trailer wheel alignment
- Certified brake tests on all vehicles
- Electrical and auto electrical preventative maintenance and statutory checks
- Heavy machinery and plant electrical services and maintenance
- Medium to light vehicle and heavy machinery air-conditioning

## Hydraulics

SMW Group's hydraulics team are experienced in systems design, installation, manufacture and commissioning, for all heavy industrial hydraulics. This includes:

- Hydraulic design, manufacture and installation
- Hydraulic & Pneumatic cylinder reconditioning
- Valve rebuild and testing
- Piston, gear, vane pump and motor rebuild and testing

## Crane Services

SMW Group are the authorised Hiab dealers for Central Queensland. We offer certification, inspection and repair of vehicle loading cranes and elevated work platforms from our Parkhurst facility. For safe load handling solutions, SMW Group has the expertise and the equipment to get the job done.



# Structural Steel & Construction

*As experienced on-site contractors, SMW Group can take care of wash plant and conveyor upgrades, repairs and maintenance, or design and installation of new facilities from the ground up.*

SMW Group capably handles the construction of any minerals processing structure or conveyor project. From initial design right through to fabrication, installation and commissioning, our experienced crews deliver innovation to your site at every step. We can work on walkways and safety upgrades, integration of new technology to existing plant, or ground-up construction of structures, sheds and camps.

## Extensive design, fabrication and installation capability

SMW Group delivers wash plant and conveyor construction solutions anywhere in Australia. Our in-house design engineers can tackle your construction, installation or upgrade project of any size. Using industry-leading technology and tooling, we'll save you time and money with smart, innovative design and quality manufacturing.

## Spotlight: 3D Scanning

SMW Group's FARO Focus 3D X330 scanner enables us to capture accurate and detailed data about any plant or component, delivering superior construction and upgrades.

### WE USE 3D SCANNING TO DESIGN:

- Safe access platforms with specific reference to the infrastructure
- Small access stairs
- Large platforms, catwalks and multi-storey structures
- Grizzlies and chutes of all shapes and sizes
- Guard railing
- Conveyors

Our engineers build a detailed point cloud and working model of any component, installation or environment. Then our manufacturing and construction teams use the data to design and custom-manufacture steelwork and components with 100% accuracy.

Read more about  
our 3D Scanning  
Capabilities.





## Project Focus: Shoalwater Bay Structural Steel

Project Value: over \$5 million

SMW Group was awarded several contracts as part of the Laing O'Rourke ASMTI project at Shoalwater Bay. The largest of these encompassed the structural steel component fabrication and installation of 48 buildings, working with the client to deliver a turnkey training facility.

### SCOPE:

- In-house fabrication of structural steel to client-specified design and ISO standards
- Additional metal works for internal fit-out
- Abrasive blasting and painting
- Prepare and ship to site
- Installation by 3 rolling crews, including pre-set, erection and commissioning
- All subcontractor management



## Project Focus: South Walker Creek Washplant Upgrades

Project Value: over \$2 million

SMW Group undertook two separate scopes at the South Walker Creek site, both related to wash plant upgrades. Our flexibility and willingness to work to meet a client's needs is demonstrated in the scopes and supported by our engineers, workshop capacity and inducted and experienced field teams.

### SCOPE:

- Structural installation accompanied by required upgrades for safety and capacity
- Upgrade to underpans at train load-out and accompanying conveyor structure
- Fabrication completed in-house to a pre-existing design
- Upgrade screens and extend wash plant
- Completed by our team of site-inducted trades, supported by our mobile field service equipment and crew



# Engineering & Project Management

*SMW Group employs a team of in-house specialty engineers to ensure the safest, smartest and most innovative designs are created for your project.*

We can cater for everything from small one-off jobs up to major projects. SMW Group can act as a principal contractor to see an entire project through from design to installation, or work as a one-vendor subcontractor to carry out works efficiently.

We make innovation and engineering-led design a major focus for all projects, giving you a result that saves time and money. Our qualified engineers integrate into our manufacturing, construction and fabrication process from the very beginning, creating tailored designs to suit your needs and increase your project's efficiencies.

- Conceptual design
- 3D CAD modelling and visualisation
- 3D printer modelling
- Drafting of fabrication/shop drawings
- Finite element analysis and reporting (FEA)
- Engineer certification and commissioning
- Modifications to plant, equipment and vehicles
- Non-destructive testing (NDT) for plant and equipment
- WTIA Weld Inspections



# Abrasive Blasting & Painting

*SMW's workshop and fabrication facilities are supported by a 1,100m<sup>2</sup> abrasive blasting and painting workshop, able to finish jobs to individual client paint specifications.*

An accredited paint inspector supports our facility, integrating full quality assurance systems to ensure our blasting and painting jobs meet the strictest mining specification requirements and exceed recommissioning standards.

Our fully undercover facilities ensure that weather delays do not impede progress.





# ON-SITE SERVICES

SMW Group's 350-strong Field Service team are qualified and inducted to support our clients on-site, with a rapid response time anywhere in the Bowen Basin.

**BHP**

GLENCORE

**Peabody**

**BATCHFIRE**  RESOURCES

 **AngloAmerican**

# Industrial Cleaning

*Under our Infra Techs brand, SMW Group provides safe, fast and thorough industrial cleaning services.*

## Shutdown cleaning

Infra Techs really shine at a shutdown – and so will your equipment! We understand the responsibility of keeping to timeframes when it comes to a shutdown, whether we're doing a pre-shutdown or end-of-shutdown clean on a CHPP, digger, shovel or dragline.

Our mobile technicians are site-inducted and work-ready, with the right tickets and clearances.

## Maintenance and repair cleaning

Sometimes to diagnose a problem, there's layers of dust, grease, dirt or coal to clear first. Infra Techs have the equipment and the expertise to clean components and equipment, whether it's in the field or in the workshop.

## Ancillary cleaning

Our cleaning skills don't just stop in the field – Infra Techs can undertake crib room and operator cabin cleans, to ensure a working environment free of respirable dust and even COVID contamination. We use the best available chemicals and techniques to keep your team safe at work.

## Spotlight: Award-winning, remote-operated hot wash truck

The Clean Team Remote-Operated Cleaning Truck represents a new approach to industrial cleaning, with operator safety, productivity and uptime at the forefront of our design.

With remote operation, the truck is also adaptable to rear dump and coal body tray build-up removal, and any other Working at Heights high-risk activities.

### OUR HIAB OPERATED HIGH-PRESSURE HOT WASH CLEANING TRUCK:

- Eliminates working at heights
- Ensures the operator is on the ground, a safe distance away
- Eliminates the risk of machine failure with an employee in a basket
- Eliminates potential eye and skin injuries from back-spray of material or water

All of this is achieved for less cost than a regular bucket truck or EWP.



Learn more about Infra Techs and our industrial cleaning capabilities.



# Field Maintenance & Servicing

*SMW Group provides full-service field maintenance to the Bowen Basin, with an easy reach into the Galilee Basin. Our teams of qualified tradespeople and site-compliant mobile maintenance vehicles are ready now to start work on shutdowns, recurring maintenance and long-term projects.*

Across boilermaking, diesel fitting, auto electrical and mechanical trades, SMW Group is your one vendor solution for fast, effective field maintenance to get the job done.

- Field service support for all field maintenance and roster top-up support
- Reactive/breakdown maintenance with 24/7 availability across all trades
- Loader, excavator and dragline bucket repairs, refurbishment and construction
- Planning of all on and off-site maintenance, shutdowns and routine repairs
- Wash plant and infrastructure maintenance and repairs
- Ancillary equipment repair and maintenance Including lighting plant upgrades to LED
- Test, tagging and certification of portable RCDs, welders and generators
- Electrical commissioning, installations and alterations, plus onsite audits
- Ground-up asset rebuilds to ensure cost-effective machine availability
- Conveyor system maintenance and repairs, including mobile crushing plants
- On and off-site mining truck body repairs and liner replacements (up to 930E/797F)
- Fully certified repairer for pressure vessels and fuel tanks
- Industrial cleaning solutions for fixed and mobile plant
- Specialised excavator maintenance teams to support service days and shutdowns
- Mine site cab conversions for positive pressure A/C systems and monitors

## Spotlight: Kress 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





# Shutdown Services & HAZREQ Crews

*Shutdown and specialist maintenance to keep your site productive.*

## **Plant and equipment maintenance that comes to you**

From full project management to supply of trades services, SMW Group has the people and equipment to get the job done efficiently. We offer:

- 400+ tradespeople and labourers available to scale as needed
- All staff are ready with tickets, licenses and qualifications
- Full fleet of plant maintenance hire equipment
- Container-based equipment for easy transport to site
- Fabrication or repair of necessary components to OEM and recommissioning standard
- Fully mobile maintenance capability, available wherever your project is
- 24/7 support

## **Equipment ready to go**

SMW Group's shutdown services are efficient and quick to site. We provide reliable service through investment in quality equipment, including:

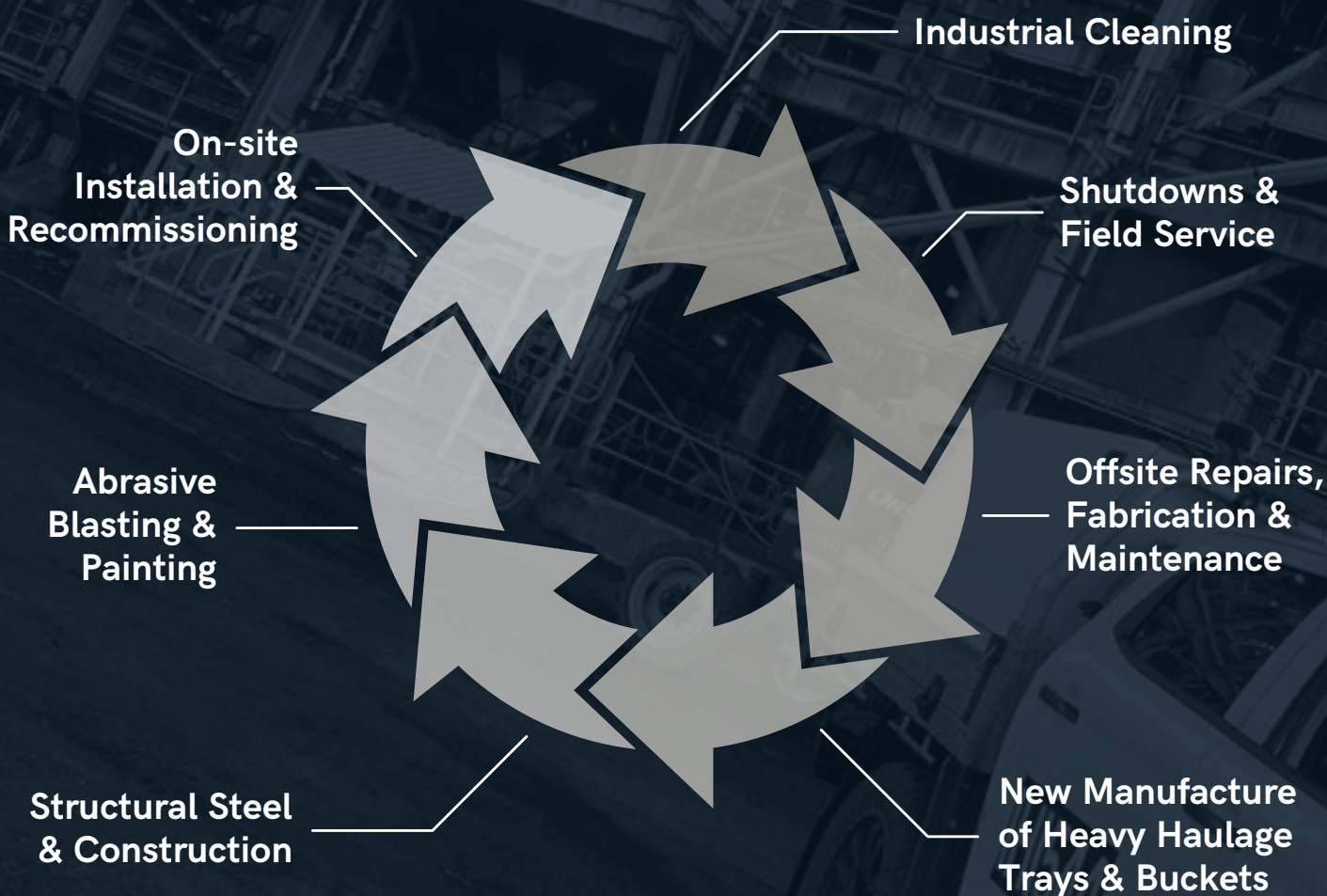
- Site Shutdown containers
- Rigging container
- Mobile boilermaker trucks with industry-standard welding equipment
- Lighting plants, compressors and generators



# THE SMW GROUP

## ONE-VENDOR

## SOLUTION





# Community

SMW Group are proud Central Queenslanders and take great pride in supporting our community and staff. We assist a range of community groups and events through sponsorships and financial contributions.

We recognise the importance of building strong foundations for social responsibility and support the communities where we live, work and play. This includes organisations like:

- **Central Queensland Capras Major Sponsor (Men's & Women's teams)**
- **Capras Community Cares Major Partner**
- Rockhampton Basketball Incorporated
- Rockhampton Rugby League Referees
- Rockhampton Miss Showgirl
- Central Rodeo Cowboys Association (CRCA) Rodeos
- Australian Enduro Motocross
- Moura State School P&C Sportsmens' Dinner
- CFMEU Moura Charity Golf Day
- Yeppoon Surf Life Saving Club
- Blackwater Crushers
- Central Highlands Multicultural Rugby League
- Rockhampton Bluebirds United Softball
- Moranbah Netball Association
- Moranbah Golf Club ProAM
- West Tigers Mackay RLC
- Yeppoon Swans AFL
- Capricorn Dirt Riders Enduro Club
- Broadmeadows Clay Target Club
- The Caves P&C
- The Caves Rodeo
- The Caves Show
- Oceania Hockey Federation
- Legends of League Blackwater and Moura
- Bowen Basin Mining Club Sponsor
- Variety Bash Sponsor
- Koorana Crocodile Farm Sponsor

## Spotlight: SMW Group and CQ Capras

SMW Group are strong supporters of rugby league, and long-term partners of the Central Queensland Capras. As major sponsors of the men and women's teams, the SMW Group logo can be seen front and centre at most games on players' shirts.

We're also working with Capras Community Care to champion a new joint venture called Pathways to Employment. This holistic mentoring program supports Indigenous teens to remain engaged at school and complete Year 12. As a partner, SMW Group provides apprenticeship or traineeship opportunities, helping the teens to kick goals on and off the field.



Visit our website to learn more about our Community initiatives.



# HSEQ

*Safety, training and the environment: we aim to achieve zero workplace incidents or accidents across all our operations.*

## SAFETY

SMW Group is dedicated to the safety and wellbeing of our team and yours. Our safety policies and procedures are accredited to AS/NZS4801 and ISO 45001:2018. Safety is a non-negotiable across all of our operations.



## QUALITY

Our goal is to deliver our services at the required quality and cost in a safe manner with due regard to client concerns and needs. Our Quality Management System, accredited to ISO9001:2015, will ensure that our operations are conducted in a manner that ensures quality and consistency.



## ENVIRONMENT

We are conscious of the effect our operations could have on the environment. We are proudly environmental incident-free in over 20 years of operations, and we plan to continue this standard. Our environmental practices align to ISO14001.

## Values

SMW Group's Values are an important part of how we deliver continuous improvement. At SMW Group, we:



### OWN SAFETY

Take responsibility for safety, every minute of the day, everywhere we work.



### GO FOR GOLD

Lead the way to new ideas and innovation.



### BE THERE

Be known as respectful, diligent and all in for all teams.



### ACT WITH INTEGRITY

Prove your honesty and trustworthiness with every word and action.



### STEP UP

Put your hand up for learning opportunities and new experiences whenever you can.

View our  
HSEQ Policies





HEAD OFFICE

Level 2/145 East Street, Rockhampton QLD 4700

SOUTHERN WORKSHOP

393 McLaughlin Street, Parkhurst, QLD 4702

NORTHERN WORKSHOP

49-57 Commercial Avenue Paget, QLD 4740

FIELD SERVICE HEADQUARTERS

235 East Street, Rockhampton QLD 4700

CORPORATE OFFICE

Level 11A, 348 Edward St, Brisbane QLD 4000

POSTAL ADDRESS

PO Box 5777 Red Hill, Rockhampton QLD 4701

FAX

07 4936 3056

EMAIL

[corporate@smwgroup.com.au](mailto:corporate@smwgroup.com.au)

# smwgroup

engineering continuous improvement



1300 SMW GROUP (1300 769 47687)

[www.smwgroup.com.au](http://www.smwgroup.com.au)