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TABLE OF CONTENTS

03 COMPANY PROFILE 04 CAPABILITIES 05 OUR SERVICES ENGINEERING HARDFACING CNC CUTTING AND PROCESSING TECHNOLOGY FABRICATION BLAST AND PAINT RUBBER LINING

11 HOW WE OPERATE OUR PEOPLE

OUR VALUES Systems and processes Safety and quality

BETTER WEAR WELDING HAS SET THE BENCHMARK IN ON TIME DELIVERY WITH QUALITY WORKMANSHIP.

DRAGAN ZEC - PROJECT MANAGER - CITIC PACIFIC RAKE ARM ASSEMBLY. FL SMIDTH PTY LTD

OUR COMPANY

A COMPANY BUILT ON The quality of our Workmanship and a Strong service ethic

Founded in 1996, Better Wear Welding has built a reputation as respected specialists in engineering design and modelling, hard facing, CNC cutting and fabrication.

We have a proven history of delivering high quality workmanship, on time and on budget. We are collaborative in our approach and focused on our clients' objectives, taking pride in the level of service we deliver – a balance between professionalism and personalised service.

LONG TERM PARTNERSHIPS

Over the years, the team at Better Wear Welding have built long term partnerships. Our company has had the privilege to reside on the preferred supplier lists of Australia's major resources, energy and marine companies reflecting the depth of our capabilities and supporting processes and systems.

SPECIALIST EXPERIENCE. HANDS-ON LEADERSHIP

Our engineers, operators and trades are specialists in each area of service that we offer. They are supported by a strong and experienced leadership team who have a hands-on approach.

Our approach is one of commitment, transparency and integrity. We have a culture built on the delivery of excellence in product and service and the fulfilment of projects safely and to a high level.

"97% Delivery in full and on time - Keep up the good work"

TECHNICAL SPARES OFFICER - Worsley Alumina



AN INTEGRATED SERVICE

THE CAPABILITY TO HANDLE END-TO-END PROJECTS WITH THE RESPONSIVENESS OF A PRIVATE COMPANY



Better Wear Welding offers an integrated mix of services which together reduces lead times, costs and project management; and improves control over quality. This in turn:

- reduces downtime
- increases efficiency
- delivers greater reliability with less machine wear and
- improves safety.

We have a proven track record in the successful delivery of projects across Australia. Every project we undertake is supported by a highly responsive team who can turn around jobs quickly and efficiently and without compromise to quality and safety.

PEOPLE

We have a capacity to deliver in excess of 2,000+ man hours per week with the capability to increase as required.

We have a can-do attitude, focused on solutions. We take the time to understand thoroughly the requirements, objectives and constraints of the job, and then work together to determine the best solution. As a result, we are often the 'go to' team for solutions.

FACILITIES

Better Wear Welding's offices and workshop is strategically located in the heart of Midland, Perth, Western Australia. Our facilities are based on an 18,200m² lot area with a 3,400m² workshop providing adequate area for the pre-assembly of components.

Our workshop is well equipped with the latest processing machines:

- Custom built hard facing machines for pipe hardfacing
- CNC pipe profiling machine
- Kinetic K4000 combination drilling and cutting machine including beveling
- Ficep Rapid Angle Line.

Projects we have completed include the:

- Worsley E&G the fabrication and hardfaced works in excess of 250 spools for expansion
- Supply of 13 vibrating screens to Cape Lambert
- 2 x 20m thickener tanks for Christmas Creek.

"THANK YOU FOR YOUR SUPPORT IN THE LAST 2 WEEKS. WE VERY MUCH APPRECIATE THE RESHUFFLING OF WORK AND THE IMPACT THAT MAY HAVE HAD WITH OTHER CLIENTS. I AM PERSONALLY VERY PROUD OF THE OUTCOME AND IMPRESSED THE TURNAROUND AND QUALITY OF PRODUCTS. THANKS FOR YOUR SUPPORT."

MARKO VUKIC, SENIOR RELIABILITY ENGINEER – ALCOA AUSTRALIA, PINJARRA REFINERY

ENGINEERING

WE HAVE A TEAM OF SKILLED ENGINEERS, ESTIMATING AND DRAFTING PROFESSIONALS BACKED BY STATE-OF-THE-ART EQUIPMENT AND SOFTWARE

Better Wear Welding offers a one-stop-service with our capabilities in design, 3D modelling, drafting and engineering. Together, our services offer greater control, reliability and overall better designs that translate to improved life of assets and cost savings as all aspects of a project or equipment is taken into account.

CAPABILITIES

- 3D modelling for chutes, hoppers, structures, piping, tanks, pressure vessels
- Structural steel drawings using advanced 3D modeling software
- The utilisation of CNC files from our 3D design software to improve quality and reduce fabrication time
- Piping and steel structures modelled in 3D.

Our 3D models are fully detailed in accordance to design specification using the latest model of Inventor and Solidworks for detailing. This ensures the accuracy of information transferred for detailing, thus eliminating errors and increasing the speed of the fabricated drawing output.

With comprehensive 3D models, DXF/NC data can be generated and directly sent to respective CNC machines. This will ensure a level of high precision for all structural plate components in the manufacturing process. Any changes to the model will have a real time effect on any form of ECO - Engineers Change order.

ON-SITE

We can also measure components and provide as built drawings if a component differs from the original specification. If drawings are unavailable, we can go to site, measure and take the necessary data and dimensions, and then design and draw the components accordingly.

We do all this in a timely manner to keep projects flowing.







HARDFACING

WE HAVE BUILT A RESPECTED POSITION AS A NATIONAL LEADER IN HARD FACING SERVICES

The cost of replacing components which become worn or damaged during service has led to the development of a wide range of techniques known as hard facing.

At Better Wear Welding, our hard facing service involves a process where metal surfaces are coated with a welded overlay to minimise or reduce wear. It's a simple but effective preventive maintenance measure that can result in significant reduction in down time and costs, and improve asset life.

The hard facing material used and method of application will vary with the equipment. The team at Better Wear Welding have deep experience in determining the most appropriate wire and process required to protect components from corrosion, abrasion or impact. We also work with wire developers to find an appropriate product for the client application.

CAPABILITIES

- Advanced hardfacing specialised technology
- In house designed and custom built hard facing machines for straight lengths and radius elbows
- Refurbishing pipe spools
- Hardface of external pipes
- Machine flange face
- Fabricate and supply of new spools when old spools can no longer be refurbished.

Our capabilities span works from 80 to 1200 diameter and in any configuration including straight spool, tees, elbows, concentric or eccentric reducers and valve bodies.

CNC CUTTING AND PROCESSING TECHNOLOGY

At Better Wear Welding, the entire CNC cutting process and the supporting technology and plant are in-house. This reduces lead time significantly and provides greater control and consistency in quality.

We have a depth of specialised experience and in place are systems and processes to minimise wastage and produce highly accurate jobs.

CAPABILITIES

We can use our laser measuring equipment to scan points on a product and convert these to an as built drawing for the product. We have heavy duty combination machines for processing operations and precision plasma or flame cutting. This enables parts to be finished in one set-up with no jigging or work holding devices required.

FULL IN-HOUSE CAPABILITIES, INVENTORY OF PARTS AND SUPPORTING SYSTEMS

PIPE CUTTING AND PROCESSING TECHNOLOGY

• CNC pipe profile cutting machine to process piping especially complex shapes.

KINETIC K4000 COMBINATION PROCESSING TECHNOLOGY

- Drilling and cutting machine including beveling
- Heavy duty combination machine for processing machine operations and precision plasma or flame cutting
- Cuts and drills from 12m x 3.2m x 200mm thick
- Can cut up to 60mm with Plasma
- 3D bevel head for cutting weld bevels on thick plates.

FICEP ANGLE PROCESSING MACHINE

• Cut and drill angles up to 150 x 150 x 16 thick.



FABRICATION

A DEEP HISTORY AND EXPERIENCE IN METAL FABRICATION



Better Wear Welding has over 20 years of experience in fabrication, in particular for the resources sector.

Our fabrication capabilities span a number of different metal types including carbon steel, stainless steel and components fabricated from • Hoppers hardfaced wear plates.

Our equipment includes our CNC equipment as well as four cranes with 10T capacity and an 8m hook height in our fabrication bay, submerged arc welding system and many machines for pipe and structural welding.

CAPABILITIES

- Piping pressure and non-pressure
- Tanks
- Chutes
- Rake arms
- Feed wells
- Launders
- Walkway trusses
- Conveyors
- Structural steel
- Screen components
- Wear plates, quenched and tempered or hardfaced.



Better Wear Welding's blast and paint facilities are in-house. We have the ability to blast and paint to client specifications and deliver a high quality finish. We have successfully applied various systems from a simple blast and prime to more complex three coat systems. Facilities:

• Blast room 5m x 4m x 2.8 high

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- Spray booth 16m x 5m x 6m high
- Measuring and test equipment to monitor paint conditions and thickness.

CORE SERVICES







RUBBER LIN

Rubber lining is an excellent process for eliminating caking and build-up under dry conditions in bins, hoppers, conveyor idlers and non-driven pulleys.

BENEFITS

- Reduce impact on supporting structures
- Reduce maintenance and downtime on equipment
- Increase the wear life of plant and machinery •
- Reduce noise. •

Better Wear Welding offers cold bonded rubber lining solutions in popular sizes for chutes, hoppers and screening components. We will also customise solutions to specifications.

CAPABILITIES

Rubber lining of:

- pipes
- chutes and hoppers
- screen components.



SPECIALIST

EXPERIENCE,



PEOPLE

We have a culture committed to excellence in our products and services and a commitment to the fulfilment of projects. We take pride in our work and the level of service we deliver.

We have a management team of 15 and over 45 workshop and administration staff. Our tradesmen are the best in the industry and are highly skilled and accredited in each area of operation including boiler making, welding, painting, machining and rubber lining.

INVESTING IN THE BEST

We invest in our people and support them with the best equipment and machinery. We keep up-to-date with CNC systems and technology and train our teams accordingly.

We have built a reputation based on our experience, ability to problem solve, and the quality and reliability of our work.

SPECIALIST EXPERIENCE

From the top down, we have extensive experience in leadership, engineering and estimations. Our teams are long standing building stability and reliability in our work; as well as the ability to respond quickly to client requirements.



JUES OUR APPROACH IS ONE OF COMMITMENT, TRANSPARENCY AND INTEGRITY

Key to our success is our people and the culture that we have built over decades. Our ethos built around productivity, delivering responsive and proactive solutions to our clients. Our values guild the way we work and provide a foundation integral to the way we do business.

SAFETY

- Safety first
- Safety always.

TEAMWORK

- We work together
- We constantly improve.
- INTEGRITY • We listen. We care.

• We do what we say.

RESULTS

- We are solutions focused
- We go beyond the job.

SYSTEMS & PROCESS

FROM QUOTATION TO DELIVERY, WE HAVE FULL TRACEABILITY AND REPORTING



Our systems and processes underpin our performance providing transparency, accuracy and efficiencies. We offer full traceability with our industry leading ERP system.

We have invested in globally leading management information and production systems (Strumis) that fully integrates all processes from estimation and cutting, to our accounting software. The end result is the ability to minimise overheads and costs, and maximise productivity and efficiencies at every step of our processes.

What we offer:

- Full control from quotation and estimation through to delivery
- Full traceability - accounting, estimates, timesheets
- Accuracy
 - correct tonnage, sqm
- Integration across all processes including our cutting software
- Everything is registered - estimates, quotes, stock control, etc. The system pushes through to the CNC machines with full control documentation to manage changes and revisions
- Timeliness and efficiencies our systems reduce quoting time enabling fast turnaround so that we can mobilise quickly.

"THANKS FOR THE EXCELLENT WORK BETTER WEAR TEAM"

TIE IN-COORDINATOR - BECHTEL MINING & METALS / EFFICIENCY & GROWTH (WORSLEY EXPANSION PROJECT)

HOW WE OPERATE

PROCESS MAPPING

At the commencement of each project, we work with our clients to get a detailed understanding of the scope and requirements. We then pre-plan and put in place a full process map.

Example:

- Enquiry received and registered in Strumis
- Quote built, checked and submitted
- Purchase orders received and contract setup
- Parts drawn for processing and components fabricated
- Welding and non-destructive testing
- Surface treatment
- Final inspection •
- Job packed, shipped and invoiced.

"THE REPORTING FROM BETTER WEAR HAS BEEN ABSOLUTELY SPOT ON TO DATE. AS AN EXPEDITER ON THIS PROJECT. I WISH ALL OTHER SUPPLIERS COULD COMPLY IN THIS MANNER." SENIOR EXPEDITOR - BECHTEL / EFFICIENCY &

GROWTH (WORSLEY EXPANSION PROJECT)



QUALITY AND SAFETY A TRACK RECORD OF DELIVERING QUALITY WORKMANSHIP AND SERVICES, WITHOUT COMPROMISE TO SAFETY

The principles of risk management are fundamental to the way we conduct our business. We have a genuine concern for the health, safety and well-being of our teams and for the quality of work we deliver.

Our leadership team clearly defines accountabilities and conduct our business in a way that ensures the delivery of work safely and to the quality standards expected. This is tabled in our weekly management meetings and addressed in pre-start and toolbox meetings. Policies, procedures and reporting processes are in place.

SAFETY POLICY

Safety is a core value in Better Wear Welding. We understand our responsibility and take accountability to provide a safe work environment and to identify and manage risk – continuously. Our safety policy includes:

- a commitment to best practice to prevent injury and ill health
- the implementation of hazard and risk management programs consistent with the nature of our workplace and scale of risk
- providing all necessary training, information and supervision of employees and contractors.

We work to beyond compliance to relevant legislations, standards and codes and understand that safety is a continuous journey.

QUALITY

We have built a reputation for delivering project excellence. We leverage our experience to provide solutions and recommendations to project challenges and work with our clients collaboratively to achieve the best quality in our work. We work to ISO 9001 and back the quality of our work with our systems and processes, and the best people. Our quality management systems are built around strong management and supervision, and supported by procedures and ongoing training.

• PREFERRED SUPPLIER TO MAJORS

- 2,000+ MAN HOURS
- 18,200M² LOT AREA
- 3,400M² WORKSHOP
- 4 X 10T OVERHEAD CRANES (FAB BAY)
- 1 X 10T AND 1X 5T OVERHEAD CRANE IN HARDFACING
- 1 X 5T OVERHEAD CRANE IN PROCESSING BAY

