



BAE ENGINEERING & SOLAR Pty Ltd

Capability Statement

49-57, Commercial Avenue Paget-4740



CONTENTS

Page

2	NOTES
3	Section 1: Basic Contact Details of your Firm
3	1.1 Firm Name
3	1.2 Street Address
3	1.3 Main Phone Number
3	1.4 Fax Number
3	1.5 Email
3	1.6 Website
3	1.7 Postal Address
3	1.8 ABN
3	1.9 Year Established
4	Section 2: Capability Information
4	2.1 Main Business Activities and Industries Served
4	2.2 Products and Services and Industries Served
4	2.3 Preferred Business
5	2.4 Our Firms Approach
5	2.5 Key People in your Organisation
6	2.6 Competitive Skills
6	2.7 Equipment & Personnel
7	2.8 Certifications Held
7	2.9 Export Capabilities
7	2.10 Software Used
7	2.11 Capacity Levels
7	2.12 Preferred Maximum Value of Work per Job
7	2.13 Area of Operations or Supply
8	2.14 Training and Skills
8	Section 3: Track Record
8	3.1 Leading Projects Completed and Major Clients
8	Section 4: Management Systems and Risk Management
8	4.1 Safety Management System
8	4.2 Environment Management System
8	4.3 Quality Management System
8	4.4 Insurances
9	4.5 Risk Management Approach
9	Section 5: Customer Service and Market Response
9	5.1 Relationships and Communication
9	5.2 Continuous Improvement and Innovation
9	Section 6: Working with Industry and Others
9	6.1 Corporate Social Responsibility
10	Section 7: BAE Mineral Processing



BAE Engineering Pty Ltd

SECTION 1:

1. Basic Contact Details for your Firm

1.1. Firm Name:

BAE Engineering Pty Ltd

1.2. Street address:

49-57 Commercial Avenue,
Paget, Mackay
QLD 4740

1.3. Main phone number:

07 4998 5123

1.4. Fax number:

07 49985125

1.5. Email:

sales@baeengineering.com.au

1.6. Website:

www.baeengineering.com.au

1.7. Postal address:

49-57 Commercial Avenue, Paget, Mackay QLD 4740

1.8. ABN:

83 147 970 134

1.9. Year established:

January 2011

Heavy Equipment repair | Engineering | Field Service | Design & Drafting | Fabrication | Solar

ABN: 83147 970134

49-57 Commercial Av, Paget, MACKAY QLD-4740. P: 4998 5123 | E: sales@baeengineering.com.au | F: 4998 5125 | www.baeengineering.com.au

Our Sister concern: Taurus Mining solutions-Buckets Bodies and Attachments-www.taurusminingsolutions.com.au

BAE-QF-030 (Letter Head)



2. Capability Information

2.1. Main Business Activities and Industries Served:

BAE Engineering Pty Ltd has been founded on delivering its' clients specialised and unique tradespeople to the mining, construction, petrochemical and sugar industries throughout the Bowen Basin.

BAE can deliver maintenance, construction and engineering services that provide clients with technical support, design including 3D, manufacture of metal fabricated components and structures and the repair of mining equipment

BAE delivers to its' clients a complete solution whether it be an innovative design and manufacturing product or maximising the return on a client asset through the repair process.

BAE Engineering Pty Ltd was formed in early 2011. The owners of the company are specialists within the Mining Industry with over 100 years of industry experience.

The company has close links to civil construction organisations and have been involved with large mine construction projects.

BAE's latest venture is in the mineral processing industry, starting up the BAE Mineral Processing division to service CHPP and fixed plant operations.

BAE Mineral Processing is currently operating out of 30, Enterprise Street, Mackay- 4740

For more information regarding the Mineral Processing division see page 10

2.2. Products, Services and Industries Served:

- Workshop to repair Dragline buckets/chains/Spreader bar/Dump blocks/Trunnion links, Excavator buckets/Booms/Sticks, Dozer blades
- Fabricate "out of the ordinary products" like cable reels, oil tanks, guards, walkways, hand rails
- Vibrating Screens, Mechanisms and Centrifuges

2.3. Preferred Business:

The type of work BAE Engineering is predominantly involved in is repairing;

- Dragline Buckets/Rigging/Spreader Bars
- Excavator Buckets/Booms/Arms/Sticks
- Light and heavy manufacturing
- Technical Support and Design
- Development of Specialised Structures for the mining Industry
- Ceramic Tiling

We also offer our services to the mining industry in the form of;

- Shutdown work on mining equipment and machinery
- Breakdowns and onsite repairs



BAE Engineering Pty Ltd

- Supply labour CHPP Site services are also provided for example, servicing of Slurry Pumps and Inspections, Screen Audits.

2.4. Our firm's approach is to:

- Offer the best products and services.
- Always exceed customer expectations.
- Provide highest possible quality at the right price.
- Offer nothing but the very best.
- Strive to take our organization to the next level so that we can serve our customers even better.

BAE Engineering considers safety to be the number one focus of our business. The wellbeing and safety of our employees both in our workshop and on-site is paramount.

Our motto is "WE Make It Happen" no matter the challenge.

BAE Engineering takes a systematic approach to all work undertaken for its clients to ensure we complete the work on time, to specification and in a safe manner. Our years of project management experience ensure the critical path in managed and value for the client is maximised.

All projects and processes are assessed for both business and safety risk, and our systematic approach ensures effective management for all stakeholders.

2.5. Key People in our organisation:

William (Bill) Johnson has worked in the mining industry most of his working life. He has worked underground at Moura Coal mine in the early days then moved to surface mining where he worked on Draglines, Excavators, Shovels and various other plant and equipment. Bill brings a wealth of experience to the business and has very good contact within the mining community. Bill worked as a Business Development Manager before starting the joint partnership with BAE Engineering as one of its Directors.

Ian Fahl has worked in various industries as a diesel fitter and mechanical fitter throughout the mining industry for 30 years. In this time he worked on heavy earthmoving equipment and other mining equipment. He worked as a diesel fitter for Cummins diesel and Berendsen Fluid Power. Ian's had experience managing businesses and departments. Ian has also worked as sales manager for 5 years, owned and operated an automotive electrical workshop and is now one of the Directors of BAE Engineering, looks after the sales department.

David McBryde came from the coal mining industry where he started his working life as a fitter. He moved through various positions with this trade, working as a Maintenance Supervisor, Dragline Maintenance Supervisor, Maintenance Superintendent, and a Project Manager. He is very knowledgeable in this field and is one of the Directors of BAE Engineering and looks after the service department.

Oliver Sabu manages the manufacturing side of BAE Engineering's business. His background is Manufacturing and design. He brings a lot of experience to the company in which he is one of the Directors.

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BAE Engineering Pty Ltd

Mick Daly looks after the rigging for the draglines. He has worked as a boilermaker and in the fabrication industry for the past 43 years. He has brought to the company, a wealth of knowledge in this field and is one of the Directors of BAE Engineering.

Chris O'Neil is the youngest of the team and brings experience in drafting with a certificate IV in Engineering. Chris has had 7 years' experience in this field.

Peter Nielsen - Workshop Manager, Peter has worked as a Boiler Maker for over 28 years. Starting with Bundaberg Sugar and moving on to BMA Gregory and BMA Blackwater.

He then worked for CQMS repairing and building Excavator & Dragline Buckets within Australia, China and Canada for 5 and a half years. Peter also worked as a Superintendent for Downer EDI for the past two years. Peter brings a great deal of knowledge and experience to the business.

Craig Evans – Workshop Supervisor, has more than 11 years' experience in the Coal Mining Industry, a boilermaker by trade Craig boasts the following qualifications, Diploma - IIW International Welding Specialist Qualifications & Certification, WTIA Certified - Structural Steel Welding Supervisor (SSWS) to AS214 Qualifications & WTIA Certified SSWS as well. Craig also has several years' experience as a Boom Welder.

Don Wood – Safety Advisor / Quality Coordinator, with more than 23 years' experience in manufacturing, working for Sandvik Mining and Construction. Don looked after the ISO accreditation for Sandvik at the Mackay facilities.

Jeff Bonney has worked in mining supply for more than 33 years, Jeff started his career in warehouse supply. From there Jeff made the transition into internal sales which eventually lead into various sales roles and business development management before being appointed as Manager of BAE Mineral Processing. Providing the customer with solid back up in sales and after sales service is his best strength.

Paul Freeman has had 15 year experience in CHPP Maintenance throughout the Bowen Basin for BMA sites that include Goonyella Riverside, Saraji, and Sedgeman Coppabella. In this time he has worked as a Boilermaker, Project manager at various mine sites overseeing and running large project. Paul has also worked as a Prep Plant Superintendent.

Paul has a Diploma of Project Management which serves as a good tool to assist with his duties.

2.6. Competitive Skills

BAE Engineering ensure our clients receive the best quality outcome on their projects through its systematic approach, by employing and retaining staff with specialised skills in a range of fields.

These include;

- 30 specialist welders qualified to AS 2980.
- Competent trades people in our fabrication sector.
- Trained supervisors
- Safety Advisor
- Project planer
- Field service manager
- Technical support and customer service

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2.7. Equipment and Personnel:

49-57 Commercial Avenue Premises

Equipment

3,500 m2 high clearance shed's
4500 m2 of concrete hard stand area
1 x 50t overhead crane
1 x 10t overhead crane
2 x 5t overhead crane
8 x DC 600 welding machines
5 x DC500 welding machines
4 x mobile welding trailers

Personnel

36 full time employees
4 apprentices
2 leading hands
1 workshop Manager
1 workshop Supervisor
16 Field service employees

30,Enterprise St, Paget-4740

Equipment

600 m2 under cover
600 m2 hard stand
200 m2 for storage and warehousing
1 x 10t overhead crane
1 x 7t forklift

Personnel

2 mechanical fitters

2.8. Certifications Held:

MEM40103 Certificate IV in Engineering – Chris O’Neil

21302VIC Certificate IV in Quality Management & Assurance – Don Wood

BSB41407 Certificate IV in Occupational Health and Safety – Don Wood

2.9. Export Capabilities:

BAE Engineering exports blast-hole drill bits and targets to Newcrest Lihir Gold in Papua New Guinea. These items are used to set up the drill pattern for blasting.

2.10. Software Used:

BAE Engineering utilises design software 3D CAD to develop workshop and customer drawings. We also use JAQ which is a business management system that enables us too accurately and efficiently document and track all current and previous information regarding company jobs, quotes, suppliers, purchase orders and any other relevant information.

2.11. Capacity Levels:

BAE Engineering’s current capacity is 9600 hours per month which is based on three shifts, five days per week.

The field service department has a similar capacity with room to grow on demand, and we are able to mobilise our workforce within 8 hours in response to a request from our clients.



BAE Engineering's work shop is a large premise with a floor space of 8,320 square metres.

3,016 square metres under cover a further 806 Square metres of office space, amenities and car parking which enables us to accommodate significant fluctuations in the number and size of projects and staff.

2.12. Preferred Maximum Value of Work per Job:

BAE Engineering currently delivers from \$1K to \$500K but has capacity to complete projects up to \$1.2M.

2.13. Area of Operation or Supply

BAE Engineering predominantly service clients in the Bowen Basin, however we welcome the opportunity and have the capacity to deliver our services to clients throughout Queensland and possibly Australia.

2.14. Training and Skills:

BAE Engineering has a team of highly skilled personnel. We ensure that all our staff are trained to the relevant industry standards required in order to deliver quality service to our client in the safest possible manner. Our site personnel have the generic induction (Standard 11) and are also trained Working at Height, Confine space, Mine rescue. All workshop employees are trained in fire safety procedures, and we currently employ two apprentice boilermakers in our team

3. Track Record

3.1. Leading Projects Completed and Major Clients

BAE Engineering has a proven track record of successfully working with and delivering projects for large mining companies such as;

Client	Project	Date	Value
Rolleston Mine	Fabricate Dragline Jacking Pads	17/12/2012	\$439K
Newlands Mine	Dragline Walking Cam Repair	19/07/2013	\$177K
Leighton Sonoma	Repairs to Excavator Boom & Stick	2/08/2012	\$152K
Leighton Jellinbah	Repairs to Excavator Boom	22/07/2013	\$134K
BMA Peak Downs	Bucket Repair	22/11/2011	\$74K
BMA Saraji	Overhaul Dozer Blades 12 month period	18/06/2013	\$1M+
Downer EDI	Major Bucket Repair	17/08/2012	\$115K
Hail Creek	Supply Blast Hole Drill Bits	7/09/2012	\$12K
Mt Thorley	Supply Blast Hole Drill Bits	3/01/2013	\$90K
L&H Australia	Fabricate LHBO106 Dragline Bucket	2/11/2011	\$114K
Ensham Resources	Dump Block repair	17/07/2013	\$9K
Anglo Callide Mine	Boom Cylinder on Transportation Stand	28/11/2013	\$17.5K
BMA Goonyella Riverside	Bucket repair	6/01/2014	\$97K
BMA Goonyella Riverside	Dipper Rebuild	1/02/2015	\$397K



4. Management Systems and Risk Management

4.1. Safety Management System:

BAE Engineering follows AS/NZS 4801:2001 Occupational Health and Safety Management System as a guidance tool.

4.2. Environment Management System:

BAE Engineering follows AS/NZS ISO 14001:2004 Environmental Management System as a guidance tool.

4.3. Quality Management System:

BAE Engineering follows AS/NZS ISO 9001:2008 Quality Management System as a guidance tool.

BAE Engineering may seek accreditation in the future.

4.4. Insurances:

BAE Engineering holds the following insurance policies, certificates of currency can be provided upon request:

Professional Public & Products liability Insurance

Professional Indemnities

Industrial Special Risk Insurance

Business Pack Insurance

Worker's Compensation Insurance

Motor Vehicle Insurance

Life Insurance.

4.5. Risk Management Approach:

BAE Engineering manages risk by formulating a risk register that identifies all major risk to the company. By following this principle we eliminate risk to our customer product and service. Work related risks are identified through a Job Safety Analysis approach with corrective actions set for issues raised.

5. Customer Service and Market Response

5.1. Relationships and Communication:

BAE Engineering is committed to establishing strong, long term working relationships with our clients, which include Newlands Coal Mine. We understand the key to delivering great service is good, open



communication and ensure this is achieved by reporting to our clients on a regular basis on matters that affect the delivery of their Plant/Equipment and service.

5.2. Continuous Improvement and Innovation:

We are always looking at ways to improve on the services we provide to our customers which include purchasing and utilising high quality equipment and products for use in both in our workshop and on-site.

6. Corporate Social Responsibility

6.1 BAE Engineering helps to support the local community, and is the major sponsor of the **Moranbah Miners** reserve grade rugby league team.

We also sponsor the Blue Mountain Camp Draft Committee and make donations to various Charities including;

- Movember
- Everyday Heroes
- The Leukaemia Foundation
- McGrath Foundation

7. BAE Mineral Processing

On the 18th February 2014 BAE Mineral Processing was appointed as Aury Australia's Field Service Support.

- Services Offered by Mineral Processing for CHPP / Fixed Plant:
 - Site Maintenance
 - CAD / Design
 - Project Management
 - Supervisors
 - Planners
 - Mechanical Repairs (On & Off Site)
 - Centrifuge Repairs
 - Vibrating Screens / Feeders
 - Industrial Ceramic Tiling (Feed Boxes, Chutes, Cyclones Etc...)
 - Fabrication
 - Structural Upgrades
 -
- Product Spares offered by BAE Mineral Processing:
 - Centrifuge Parts
 - Ceramic Industrial Tiles
 - Epoxy Adhesive
 - Epoxy Abrasive Resist
 - Basalt Pipe
 - Vibrating Screen Parts