

## benefits

“We do things for our customer's convenience, not ours”

- Jeremy Hawkes *Managing Director*

Bowhill Engineering have a proven track record, the many benefits to our clients are enforced by the rock solid reputation that they have built over some 40+ years in business.

### project documentation

“Working with clients such as Lend Lease, McConnell Dowell, Bechtel, Raytheon, DPTI and BHP have seen Bowhill build QA systems 2<sup>nd</sup> to none. Customers love the accuracy, and timeliness of our documentation”

- Jodie Hawkes *QA Manager/Director*

### methodology development

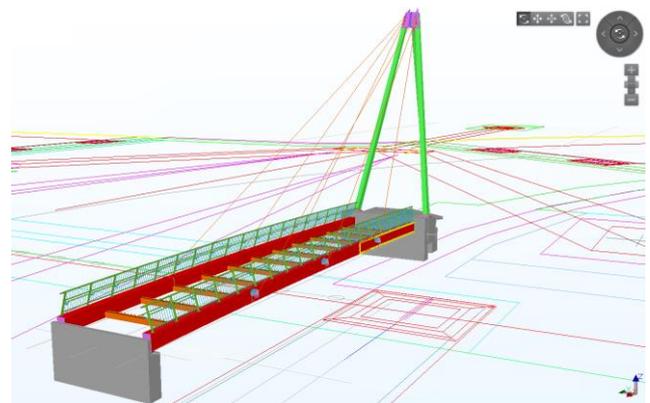
Our wealth of experience, innovative staff, and state of the art software, well equips us to serve our customers with, safe, efficient and synchronized methodologies. ECI type contracts or complex tasks that need “proving” before manufacture are common for Bowhill. 3D simulation enables us to electronically trial proposals, identifying the merit from a physical, safety and practical, standpoint.

This impressive project required strong methodology development to maximise build-ability and accuracy.



### speed and accuracy

Drafting using Tekla 3D software and the associated free BimSight collaboration software have allowed us to achieve lean manufacture principles and error proofing through all project stages. This results in NC format files (which are developed straight from the project model) being sent via email straight to the steel merchant for CNC processing. Accuracy and speed are huge advantages resulting from this process.



### value for money

With a committed stable and experienced workforce (*average staff retention rate in excess of 5 years*), recruited for their unique skill and experience, we are able to reliably produce structural fabrication components of exceptional quality at competitive market rates. We do this through our lean manufacturing processes as well as utilising SA's extensive industry supply chain. We manage the potential risks of outsourcing by fostering strong supplier networks and contracts.

This approach is an extremely effective way of achieving an impressive result for all stake holders on a project. Minimization of capital outlay reduces costly overheads, increases our overall capacity and benefits our clients through the resulting low cost structure. This strategic approach allows an impressive quantity of available capability, whilst allowing a nimble structure with diverse skills. This ability to be very flexible and adaptable can be applied to many different challenges and industries without compromising our core focus of heavy and complex structural steel.



## reputation

We have the runs on the board, by nominating us on your project team, your clients or stakeholders will be favorable to your overall proposal.

Bowhill Engineering have been active in the building and construction industry since the late 1990's. Our reputation is something that we are passionate about and something that we take great care of. As you well know, in this industry any mistakes are well known and reputations are easily damaged. Throughout this entire time Bowhill Engineering have not one tarnish on their reputation, quite a testament, and rarely seen.

## surface treatment

A modern surface treatment facility that is specifically designed to efficiently handle large components, in an environmentally sensitive way. **Our Blast room is one of the widest in Australia!** The ability to complete this critically important process on our manufacturing site is hugely beneficial to you as our client because it results in savings, quality control and effective loading on transport. In simple terms we can ensure that you get what you want, when you want it! Without this in-house service other fabricators are at the mercy of the industry, and they simply do not have the control that this critical process demands.

“This process protects the clients valuable investment, it must be right”

- Tom Dennis *Production Manager*



## Low risk

Risk minimization is paramount to us. We have undertaken a lot of checks and balances to ensure that our systems and procedures are sound and robust. Being accredited for Quality, Safety & Environment as well as Pre-Qualification for industry groups such as Achilles, ensures we maintain the high standards we have set for ourselves. Continuous Improvement and Lean Manufacturing (including 5S) are key areas currently being addressed by all levels of management and staff. We have a dedicated management representative working to ensure all Policies & Procedures are up-to-date and reflect the most current work practices. We use NCR reports to ensure preventative actions are in place. We are extremely proud of the way we “choc the wheel” which ensures that our Risk Management Policy is relevant & informative.

## services and facilities

- Design (consulting and detailing)
- Solid QA system compliant with high end client requirements
- Quality ISO9001, Safety AS4801 and Environmental ISO14001 certification.
- Extensive prequalified weld procedures
- Workshop total floor area (3,000m<sup>2</sup>)
- 2.5+ acres of Hardstand area
- EPA approved Blast and painting facility (floor area 650m<sup>2</sup>) 8.1m wide Blast room.
- Overhead gantry cranes in main workshop 2 @17t capacity ea (35t combined)
- Section cutting and processing equipment
- Welding and heavy automated welding
- Non ferrous welding and surface treatment (large passivation facility for 300 series S/S)
- Large and small forklifts up to 33t capacity
- Mobile yard crane
- Heavy and oversize transport specialists

## attitude of excellence

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