



STUDCO

Studwelding & Stud Supplies

Capability Statement

Stud Welding and Engineered
Fastening Solutions, **Australia Wide**

CONSTRUCTION | MINING | INFRASTRUCTURE | DEFENCE | MARINE



About Us

Studco is a specialist engineering partner delivering advanced stud welding solutions across Australia's most complex and demanding projects.

Who we are

Studco is a technically led business built on deep industry knowledge, practical experience, and a commitment to doing things properly.

We combine:

- Specialist stud welding expertise
- Global supply partnerships
- Local stock availability
- On-site and remote technical support
- Custom engineering capability

This allows us to operate not just as a supplier, but as a trusted project partner.

Australia's largest Studwelding supplier and installer.

Reliable Supply. National Reach. Proven Performance.

We are the team brought in when performance matters, when timelines are tight, and when failure is not an option.

From major infrastructure and high-rise construction to defence shipbuilding and marine environments, Studco provides the technical expertise, customised solutions, and on-the-ground support required to deliver with certainty.

We solve problems before they become delays.

National Reach, Local Delivery

Studco supports projects all across Australia, headquarters in Western Australia and growing presence across the East Coast.

We combine:

- Local responsiveness
- National capability
- Global supply networks

This ensures clients receive both reliability and scale.



Key Markets

Studco operates across critical sectors where precision, durability and reliability are essential:

- **Construction** – High-rise, commercial builds, structural steel
- **Civil Infrastructure** – Bridges, stadiums, major transport projects
- **Marine & Defence** – Shipbuilding, naval refits, offshore infrastructure
- **Mining & Industrial** – Fixed plant and wear applications
- **Installation Services** – On-site delivery and execution support

Our approach

We engage early.

The greatest value we bring is before construction begins. By working with contractors during planning and procurement stages, we:

- Identify risks early
- Recommend optimal systems
- Reduce rework and inefficiencies
- Improve cost certainty

What we do

Stud Welding Systems & Equipment

- Supply of stud welding machines across global brands
- System configuration and optimisation
- Equipment conversion and rebuilds
- Integration of best-in-class components across platforms

Stud & Fastening Supply

- Full range of construction, structural and marine-grade studs
- Custom-designed studs to suit project specifications
- Rapid availability through local stock holdings

Engineering & Custom Solutions

- Reverse engineering of existing systems
- Design and manufacture of specialised components
- Adaptation of systems to suit site conditions

Installation & On-Site Support

- Technical supervision and support
- Installation capability (expanding into full-service delivery)
- Training and operator guidance

Ongoing Maintenance & Troubleshooting

- Remote diagnostics and problem solving
- Fast access to spare parts
- Reduced downtime through immediate support

Studco's ability to rebuild, customise and optimise systems sets it apart from standard suppliers.

Project Capability

Studco contributes to large-scale, high-value projects where reliability and technical execution are critical.

Our involvement typically includes:

- Stud supply for structural steel systems
- Equipment setup and optimisation
- On-site troubleshooting and support
- Custom solution development for unique project challenges

We understand where stud welding sits within the broader construction process, and we work closely with:

- Tier 1 contractors
- Steel fabricators
- Concrete contractors
- Defence and marine operators

Our goal is to ensure seamless integration into the build process, reducing rework, delays, and cost overruns.

Optus Stadium

One of Western Australia's most iconic infrastructure projects, Optus Stadium required exceptional precision, scale, and coordination throughout construction. Studco played a critical role in the delivery of the structural steel package, supplying and installing nearly 250,000 shear connectors across the project.

Our scope included both onsite thru-deck stud welding and off-site beam preparation, significantly reducing installation time on site and improving overall project efficiency. By pre-welding structural beams before transport, Studco helped streamline construction sequencing, reduce labour requirements, and minimise delays across a fast-paced Tier 1 build environment. This project reflects our ability to deliver high-volume stud welding solutions with speed, accuracy, and complete confidence.

Using nearly

250,000 shear connectors



Brookfield Place (BHP Tower)

Brookfield Place, widely recognised as the BHP Tower, stands as one of Perth's landmark commercial developments. Studco delivered the stud welding package for this 48-storey tower, installing over 80,000sqm of KingFlor decking and more than 240,000 shear connectors. Using steel concrete composite construction allowed for a faster, lighter, and more efficient build methodology, reducing temporary works and labour requirements across the project. With a team of just 6-8 personnel, Studco consistently delivered approximately one full floor per week, equating to around 1,800sqm of deck installation and 6,000 studs weekly. This project demonstrated our ability to perform at scale while maintaining precision, productivity, and strict programme control.

48 storey, 80,000 sqm deck,

240,000 shear studs

RAC Arena

RAC Arena remains one of Studco's earliest major large-scale construction projects and a defining milestone in the company's growth.

As one of Perth's most recognisable public venues, the project demanded agility, coordination, and the ability to perform within the changing conditions of a fast-moving government build. Studco successfully delivered all stud welding works within budget and programme constraints, navigating daily site changes while maintaining quality and delivery standards. This project laid the foundation for Studco's reputation in major project delivery and demonstrated our ability to step confidently into complex, high-profile construction environments.

Ground-breaking design and architecture



Worsley Alumina Refinery

Refinery environments demand a higher standard of safety, compliance, and technical execution, where quality assurance and operational constraints leave little room for error. At Worsley Alumina Refinery, Studco successfully installed approximately 2,000sqm of Bondek and completed more than 7,000 thru-deck shear connector welds as part of a major four-storey building expansion.

Working within close proximity to live operations required disciplined planning, strict OH&S compliance, and seamless coordination with site teams. This project highlights Studco's capability to deliver in safety-critical industrial environments where precision and operational awareness are essential.

Studwelding

4 storey building expansion



Perth Children's Hospital

Perth Children's Hospital is one of Australia's most advanced healthcare facilities, designed to deliver world-class care through modern infrastructure and complex engineering. Studco supported the project from the earliest stages of construction, beginning with retaining piling works and continuing through to final stud welding of the overpass connecting the new hospital to the existing facility.

Our long-term involvement across multiple stages of the build demonstrates our ability to support complex projects from groundworks through to final completion. This project reflects Studco's commitment to consistency, reliability, and technical support across the full project lifecycle.

1000's of studs from early ground-works.





Studco Threaded Arc Studs.

BHP Southflank

BHP South Flank represents one of Australia's largest mining developments, requiring robust, high-volume stud welding solutions designed for extreme operational environments. Studco supplied and supported the installation of thousands of wear liners across the project, alongside tens of thousands of threaded arc studs critical to fixed plant performance and wear protection systems.

Mining environments demand durability, precision, and speed of execution, particularly where downtime carries significant operational cost. Studco's involvement on South Flank reinforces our capability in large-scale industrial applications where reliability is directly tied to production outcomes.

Installations

Delivered On Site. Built for Performance.

Studco provides complete installation services for stud welding across construction, infrastructure, mining and defence projects. We do not just supply product. We ensure it is installed correctly, efficiently, and to the standard your project demands.

With over three decades of experience, Studco has built a reputation for organisation, efficiency and flexibility, adapting to the realities of live project environments and delivering outcomes under pressure. Our capability includes:

- Thru-deck stud welding
- Structural steel applications
- Wear liner systems and industrial installations
- High-volume stud installation programs
- Site-based welding across complex environments

From early works through to final installation, we ensure stud welding is executed safely, accurately and without disruption to the broader build.

Built for Site Conditions

Every project is different. Studco operates with the flexibility required to perform in real-world conditions, adapting to:

- Changing site requirements
- Program pressures and tight deadlines
- Safety-critical environments
- Complex structural and access constraints

No task is too large or too complex. We mobilise quickly and deliver consistently.

Efficiency at Scale

Studco is structured to deliver high-volume installation efficiently. Our teams are experienced in working across large-scale projects, maintaining

consistent output while meeting strict quality and safety standards. The result is faster installation, reduced rework, and improved productivity across site.

More Than Installation

Every installation is backed by technical expertise. We work closely with contractors, engineers and project teams to:

- Ensure correct system setup
- Optimise welding performance
- Troubleshoot issues in real time
- Maintain consistency across the project

Because installation is not just execution. It is performance.

Integrated Delivery

Studco's installation services are supported by one of the largest product supply operations in Australia. This means:

- No delays waiting on materials
- Seamless coordination between supply and install
- Greater control over quality and timelines

Supply and installation, delivered as one.

Engage Early

The greatest value we bring is before installation begins. By engaging Studco early, project teams benefit from:

- Better planning and system selection
- Reduced risk during execution
- Greater efficiency on site
- Stronger overall project outcomes

We deliver with certainty.

Why Studco



Specialist Expertise

Studco is a niche expert, not a generalist supplier. Our team understands stud welding at a technical level most competitors cannot match.



Solution-Driven Approach

We do not just supply products. We assess the problem, engineer the solution, and support delivery.



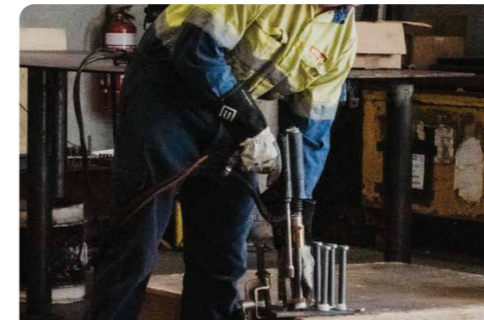
Custom Capability

From modified systems to bespoke studs, we design around project requirements, not catalogue limitations.



Immediate Availability

Local stock and parts reduce lead times and eliminate project delays.



End-to-End Support

From early engagement through to installation and maintenance, we remain involved across the project lifecycle.



Proven Performance

Studco has demonstrated capability across major infrastructure and defence environments, with the technical depth to support high-risk, high-value builds.




Engineered for the projects that define industries

For technical consultation, project support, or supply enquiries:

Stud Welding and Stud Supplies

Australia Wide

 studsales@studco.com.au

 1300 635 766

 studco.com.au

Head Office

12B Ambitious Link,
Bibra Lake, WA 6163

Warehousing and support across Sydney
and Melbourne

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