



2025

Industrial Capabilities

Our industrial team provides a service guarantee that gives you Peace of Mind, Right on Time.

mullane.com.au



Founded in 1925, Mullane is an Australian-owned and operated company that has built a legacy of trust and excellence in Newcastle, Lake Macquarie, the Hunter Valley, and the Central Coast.



Introduction

Mullane Industrial is a trusted leader in delivering comprehensive solutions for complex industrial projects across diverse sectors.

With a proven track record of excellence, safety, and innovation, we offer end-to-end services tailored to meet the technical and operational demands of today's most challenging environments. From metals and chemical processing plants, to local infrastructure projects, we have a proven track record in leading and executing multi-disciplinary projects in alignment with Mullane's core belief in delivering peace of mind, right on time to our customers.

About Us

Our highly skilled multidisciplinary teams manage every stage of a project in conjunction with our trusted delivery partners and the backing of the broader Mullane group.

From the initial project scoping phases right through to procurement, delivery, and commissioning. We combine industry best practices with over 100 years of industry experience to ensure that you receive the outcomes you need for your project.



Our Core Capabilities

Scoping & Concept Support

For when you have a problem to solve, but are unsure of what the right solution is, Mullane industrial will work with you to find options that suit your needs.

Project Management & Controls

(Small to Medium sized projects)

End-to-end project management to ensure scope, cost, and schedule alignment.



Industrial & Process Facilities

Upgrades, repairs and alterations of all types to existing facilities inclusive of structural steel, pipework, civil/concreting, equipment modifications/repairs, small scale outages and niche solutions for your unique or complex problems.

Complex Roofing Replacement

Mullane Industrial successfully delivered a complex roofing replacement project involving over 5,000m² of roof sheets, purlins, and flashings in a high-corrosion environment. The scope included the safe removal and reinstatement of existing fixtures such as handrails, stacks, and work platforms, all above an operational facility.

Project Environment:

The facility housed industrial furnaces, raising rooftop temperatures above 50°C and creating challenging working conditions. Existing roof sheets had protective coatings due to the corrosive environment, requiring controlled handling and replacement.

Key Challenges & Solutions:

Extreme Heat

Mullane mitigated heat risks through crew rotation, partial furnace isolation in collaboration with the client, and the use of air-fed respirators to supply cooled, clean air to workers.

Brittle Roof Sheets

Due to rapid corrosion, sheets became non-trafficable within 12 months. Mullane installed temporary, movable decking systems spanning purlins, providing a stable work platform and fall restraint anchoring—enabling safe, controlled replacement.

Stakeholder & Workflow Management

With multiple subcontractors and operations running below, clear coordination was essential. Mullane implemented, Structured stakeholder communication, Scheduled drop and exclusion zones during mornings for high-risk tasks, Afternoon work focused on lower-risk activities like fastening new sheets. This strategy minimized disruption to production for the client.



Our Core Capabilities

Construction Projects

End to end management of your small to medium scale heavy construction project, inclusive of all trades and services required to complete your build from a greenfield site right through to handover.

Mechanical, Electrical & Piping Systems

Full-spectrum MEP services including custom-fabricated systems for industrial applications or modifications to existing systems.

10-Tonne Air Compressor Replacement

Mullane Industrial was engaged to scope, manage, and deliver the replacement of a 10-tonne air compressor within a bank of six units critical to the plant's ongoing operation. Due to the essential nature of the equipment, the project required continuous, around-the-clock work to minimise operational disruption.

Key Challenges & Solutions:

Critical Lift in a Restricted Environment

The existing overhead crane lacked the headroom to lift the 10T compressor. Mullane Industrial coordinated the removal of roof sheeting and structural steel, enabling a 250T mobile crane to extract and install the unit. Neither the existing nor new compressor had standard lifting points. Mullane Industrial oversaw the design and fabrication of a custom-engineered, configurable lifting jig, ensuring safe, compliant handling.

Live Cooling System & Complex Piping Modifications

The 250nb 316SS water-cooled ring main, servicing all compressors, had no isolation and couldn't be shut down without risking overheating. Mullane Industrial executed a hot tap and bypass, allowing a new isolation valve to be installed on the branch line for the replacement unit. This solution kept the cooling system fully operational throughout the works, ensuring zero downtime.

Difficult Access & Confined Space Risk Mitigation

Access to underground pits and trenches was required for welding and bypass works. Using elimination and engineering controls, Mullane Industrial reclassified work zones, avoiding the need for confined space entry—significantly reducing risk, cost, and complexity.

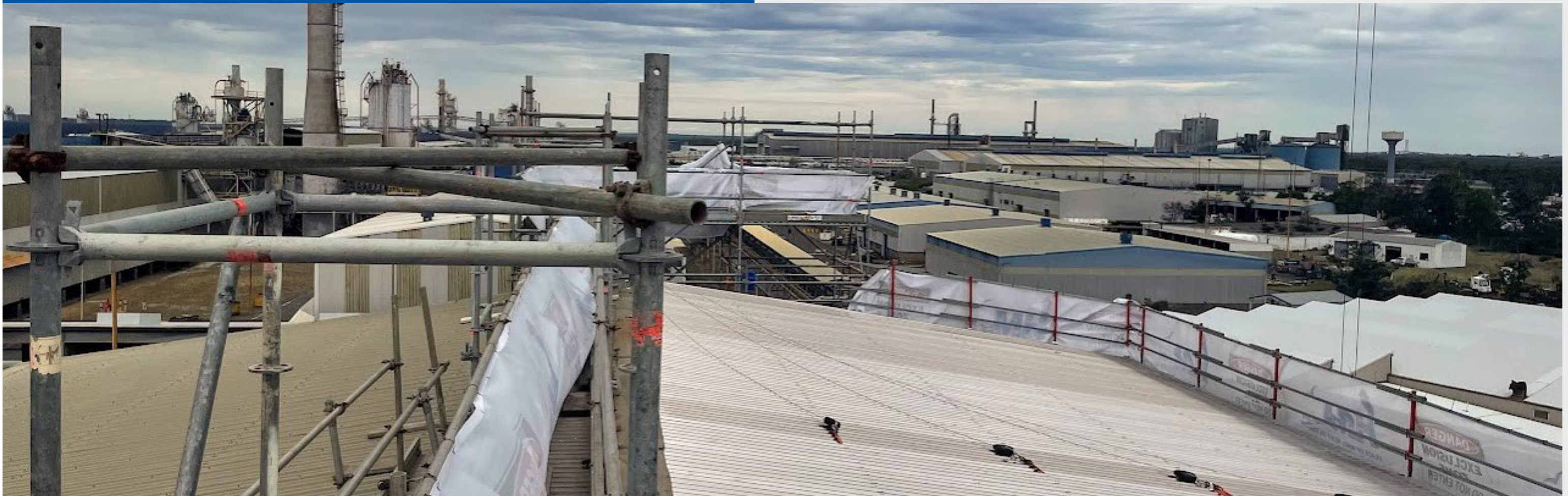
Our Core Capabilities

Civil & Structural Works

Heavy civil works including foundations, steel structures and roads supporting industrial operations.

Maintenance, Retrofit & Turnaround Services

Smaller scale scheduled and emergency maintenance, plant retrofits, and shutdown/turnaround management.



High Voltage Switchyard Upgrade

Mullane Industrial was engaged to deliver a complex civil and structural upgrade in a live high voltage switchyard environment. The scope involved the demolition and removal of a bank of existing concrete footings, preparation of the area, and installation of new footings to support a new Power Factor Correction (PFC) unit.

Key Challenges & Solutions:

Decommissioning & Structural Removal

A variety of existing steel structures were decommissioned and safely removed prior to the commencement of civil works.

Navigating Critical Underground Services

Works were executed in close proximity to critical underground infrastructure including high voltage power cables, fire main, complex earthing systems, and a sewer main, requiring precise planning and execution to avoid service disruptions or safety incidents.

Live HV Environment

The switchyard remained fully operational throughout the project. This required the implementation of stringent safety protocols and controls to manage high-risk activities in an environment where electrical infrastructure could not be isolated.

Complex Footing Construction

The new footings were installed across varying depths and locations, within small tolerances, necessitating high-precision excavation and formwork techniques.

Modification to Existing Earthing System

The existing underground earth grid was modified and extended as required to maintain electrical protection integrity throughout the duration of the works.



Our Core Capabilities

Site-Based Fabrication & Welding

On-site fabrication and welding services for both planned and emergency works. From minor repairs such as handrails through to specialised pressure welding, we have the expertise to service any requirement.

Subcontractor Engagement & Management

Comprehensive subcontractor coordination to ensure seamless project delivery. From sourcing and vetting through to ongoing management, we handle all subcontracted works to meet project standards, timelines, and safety requirements.

Experience you can Trust.

Mullane proudly announces our certification for Best Practices in ISO9001 Quality Management Systems, ISO45001 Safety Management Systems, and ISO14001 Environmental Management Systems. This achievement underscores our unwavering dedication to delivering quality products and services, prioritising environmental stewardship, ensuring the safety of all stakeholders, and upholding business ethics and risk management principles.



With over 100 years of experience, Mullane has been a trusted leader in delivering comprehensive solutions for complex industrial projects across diverse sectors. Throughout our extensive history, we've collaborated with a diverse range of clients, enabling us to broaden our expertise and better meet the unique needs of our clientele.

Our Clients include:






Contact

 1300 608 999

 industrial@mullane.com.au

 mullane.com.au

 **Head Office**
16 Old Maitland Road, Sandgate NSW 2304

 **Central Coast Office**
14 Stockyard Place, West Gosford NSW 2250