



CASA

Capability Statement



CAPABILITY STATEMENT 2016



OUR BUSINESS

Company Overview

CASA Engineering provides design and construction services to the marine, general building, civil, infrastructure and mining sectors throughout Australia and the South Pacific.

With in-house Engineering design, drafting, fabrication, logistics and site erection capabilities, and facilities in Brisbane and Townsville, CASA has the resources and experience to execute projects on time and within budget.

CASA offers expertise and on-site experience in a wide range of specialist areas including structural steel, pipelines, culverts, piling, bridges, waste treatment, processing and material handling plants, and tilt-panel construction.

Safety, innovation and continual improvement are at the heart of CASA's philosophy, and CASA is committed to providing the best outcomes for its clients.



INFRASTRUCTURE

MINING

BUILDING

CIVIL

COMMERCIAL

MARINE



Expertise

CASA operates fabrication facilities in Brisbane and Townsville, specialising in all aspects of structural steel, SMP, heavy engineering, fabrication, erection, mechanical installation, crane hire and rigging. These in house construction facilities enable flexible and dynamic project delivery across the full range of CASA's capabilities.

We have extensive site experience in challenging environments including remote areas, inner city, multi-storey construction, both in Australia and throughout the South Pacific. From modular construction in Cape York, to driving piles in the jungle of Papua New Guinea, to wharf construction in Torres Strait, to pipelines in the Australian desert, CASA has the on-site experience and organisational capabilities to deliver projects in any location.

With experienced project management, design, drafting, fabrication, logistical and on-site teams, CASA Engineering has a reputation for successful completion of projects across all construction sectors.

CASA can provide its services as a direct supplier/builder, or under subcontract to a principal contractor. We take pride in providing our clients with value-added engineering solutions derived from our expertise and experience, and we take a collaborative approach to projects. We are renowned for improving project outcomes and reducing project life cycle costs, and for exceeding all stakeholder expectations.

Our highly developed systems management provides all of our clients, and particularly Government organisations, mining and the private sector, with quality deliverables including fully documented safety and environmental legislative requirements.

Company History

CASA Engineering was founded by Peter Casa in Townsville in 1995. Peter is a qualified mechanical/structural engineer, and gained valuable experience working as a consultant, capital works engineer and project manager before deciding to start his own firm.

In 2001 Peter established a second fabrication facility and office in Brisbane, providing logistical advantages and increased coverage on major projects. Today CASA is focusing Australia wide, and continuing to expand off shore in the South Pacific demonstrating market leadership in technically challenging projects in remote locations.

Strengths & Areas of Expertise

CASA supports its clients by providing initial up front design review and possible cost engineering analysis followed by transparent, high-quality project management and delivery.

Our project managers are qualified engineers, and are always looking to provide efficiencies in design and methodology. Our in-depth knowledge of Australian Standards and Codes of Practice, together with our third-party accredited quality and safety systems, gives clients peace of mind that work will comply with legislative and contractual requirements.

CASA's experience and in-house resources allows us to be solution focused, and gives our clients a high degree of control over project delivery.

"CASA is a member of both the Australian Steel Institute and Mesca"



Specialty Services

CASA has long established relationships with key clients, completing design and construct projects within Australia and abroad. Our collaborative approach has a track record of success with project life cycle outcomes.

We provide our internal RPEQ services for works undertaken, and we certify our construction 'in house' for building approvals. Our extensive fleet of plant and skilled operators promotes team confidence and trust between colleagues, ensuring that high risk activities are managed effectively throughout project stages.

CASA upholds the following in its approach to projects:

- Engineering –** In partnership with project engineers we develop a build methodology that addresses function, quality, an expedited time table and value for money.
- Procurement –** CASA Engineering undertakes as a matter of principle the acquisition of goods and services on a fair value for money principle. Our belief is that the client should receive quality materials and labour at fair market rates.
- Construction –** For the successful execution of a project, effective planning is essential. CASA Engineering believes our experience is testament to our ability to deliver in this area. Additionally we choose sub-contractors that have proven to us that they have the ability to keep pace and deliver quality outcomes in their field of expertise.
- Management –** Project Management is where the vision becomes reality. At the beginning of a project we put together a team that is right for the build, choosing people with the necessary skills and expertise to execute the project focusing on safety, quality, service and certainty.

WHY CASA ENGINEERING?

Specialist Integrated Project Team



"Empowering People to Make It Safe"

CASA Engineering has undertaken a diverse range of projects in the construction, civil, infrastructure and mining sectors, and this experience and expertise across the group enables the company to offer clients execution certainty.

Our personnel are central to the success of the company. Our employees are empowered with the tools and training to not only meet, but to exceed client expectations.

Commitment to safety

Supported by senior leadership, CASA Engineering is committed to delivering all projects safely and promotes a culture of personal responsibility toward safety and environmental management. CASA holds the following third party accreditations:

- ✓ BSI – AS/NZS 4801:2001 Occupational Health and Safety Management
- ✓ BSI – ISO 9001 Quality Management
- ✓ ASI – ESC Environmental Sustainability Charter (Environmental Management)



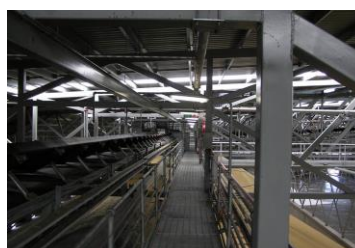
Value Add Engineering

CASA Engineering's in-house professional engineers can review your next project to ensure the design is the most buildable and cost effective solution.

We focus on client's objectives, CASA Engineering endeavors to meet the needs and wants of our clients, and manage the risks inherent to the work that we perform. We will become part of our client's mechanism for management of risk.

In House Plant / Equipment Resources

CASA's significant in house fleet of cranes and construction equipment means that many projects can be bid and executed exclusively utilizing internally owned and operated equipment, thereby eliminating a source of risk for our clients.



INFRASTRUCTURE

MINING

BUILDING

CIVIL

COMMERCIAL

MARINE



Accreditation

CASA Engineering is committed to the highest standards of quality, service and value creation for all our clients. The company is third party accredited for safety and quality compliance, and promotes a culture of constant improvement in our procedures and systems.

- PQC Accreditation for Queensland building works
- Open Builders Licence. QBCC
- Main Roads Accredited.



OUR SMP SERVICES

CASA Engineering's SMP division is one of Australia's leading engineering, structural, mechanical, and piping contractors. We provide full design, supply, and install services, with onsite and offsite work, to the commercial, industrial, heavy engineering, infrastructure and mining industries.

We are fully equipped with all plant and machinery, such as cranes, access equipment, transport, and heavy haulage. We are renowned for improving construction programs and working collaboratively with project teams to deliver their projects. We take a collaborative approach during the design phase, where we draw on our previous experience and knowledge, resulting in improved efficiency and cost savings with no compromise on safety. We are able to undertake scope of work up to the value of \$30,000,000.

Project Management

- Co-ordination
- HSEQ – ISO accredited
- Off-Site and On-Site Management
- Control, Planning, Resource Management
- Risk and Opportunity
- Handover



Engineering Review and Implementation

- Disciplines include Structural, Mechanical, Materials Handling, and Piping
- Fully Accredited/Licensed/Registered
- Safety in Design e.g. HAZOPs, HAZIDs, Installation, Assembly
- Constructability/Installation Planning/Fabrication and Assembly Planning
- Drafting/3D Modelling/Detailing/Specifications

INDUSTRY SERVICES

Civil/Structural

- ✓ Geotechnical/Piling/Foundation
- ✓ Bridge Superstructures
- ✓ Materials Selection
- ✓ Concept to Detailed Design

Mechanical

- ✓ Materials Handling
- ✓ Equipment
- ✓ Functional Analysis
- ✓ LIMN Modelling
- ✓ Instrumentation
- ✓ Plant Simulations

Process

- ✓ Piping
- ✓ Networks
- ✓ Equipment, Pumps, Valves
- ✓ P&IDs, PFDs,
- ✓ Full Material Balances

Logistics

- ✓ Transport (own equipment), External
- ✓ Heavy Haulage
- ✓ Planning
- ✓ Regulatory
- ✓ Constructability
- ✓ Shipping Transport
- ✓ Off shore

Manufacture & Fabrication

- ✓ Piping
- ✓ Structural Steel
- ✓ Mechanical
- ✓ Plate and Chute works
- ✓ Stainless Steel (including Site Installation)

Construction

- ✓ Foundations, Piling
- ✓ Earthworks
- ✓ Drainage/Water
- ✓ Building
- ✓ Above Ground Services
- ✓ Equipment Assembly
- ✓ Cranage/Heavy Lifts



Supplementary services

- Design and Construct
- Operational and Maintenance
- Plant Auditing
- Equipment Rental e.g. cranes, civil equipment, trucks
- Dismantling and relocation
- Demolition

Major Clients

CASA has supplied services to major clients in the commercial, infrastructure and mining sectors, including:

- | | |
|----------------------------|-----------------------|
| - BHP Billiton | - Samsung CT |
| - MacMahon | - Laing O'Rourke |
| - Coal Stream Alliance | - Leighton Industrial |
| - Queensland Sugar Limited | - Hutchinson Builders |
| - QR National | - John Holland |
| - Brookfield Multiplex | - BMD |
| - Mirvac | - Decmil |

See attached marketing sheets for some of our recent projects:



FACILITIES

Key Facilities

CASA owns and operates the following facilities and office locations:

- ❖ 5000 Sqm fully functional engineering workshop in Townsville with overhead cranes up to 65 ton and full Welded Beam manufacturing line
- ❖ 2500 Sqm fully functional engineering workshop in Brisbane with overhead cranes up to 20 ton
- ❖ 9000 Sqm hard stand storage yard in Townsville suitable for preassembly, trail assemble, sorting or storage
- ❖ 32000 Sqm hard stand storage yard in Brisbane suitable for preassembly, trail assemble, sorting or storage



PLANT / EQUIPMENT

CASA Engineering maintains a full fleet of cranes with a capacity of 3 ton to 500 ton. In addition, we operate a fully equipped transport facility with semi-trailer and low-loader with a maximum payload capacity of 80 tons. Our site division is equipped with full mobile workshop facilities for major site work projects, and our work barges allow us to perform work over water.



Key Plant and Equipment

- ✓ Terex CC2500- 500ton pin jib crawler crane with 96 mtr main boom
- ✓ Liebherr LR1280 -280ton pin jib crawler crane with 90 mtr main boom, 81mtrs luffing fly, 119m main boom configuration, 30 mtr derrick wheeled counterweight carriage for superlift
- ✓ Liebherr LTR1100- 100 ton hydraulic boom crawler crane with up to 90 mtr of main boom and fly
- ✓ Liebherr LTM1140-140 ton hydraulic boom all terrain crane with luffing fly
- ✓ Liebherr LTM1090-90 ton hydraulic boom all terrain crane with fixed fly
- ✓ Liebherr LTM1055-55 ton hydraulic boom all terrain crane with fixed fly
- ✓ Mini crawler cranes , 2.9 ton, 5 ton 7 ton and 10 ton capacity
- ✓ Leibherr LBR 255 Piling Rig
- ✓ Junttan 7/9 Hydraulic Piling hammer
- ✓ ICE 44B Vibro hammer
- ✓ EWP (elevated work platforms up to 25 metres)
- ✓ Prime mover rated to 130 ton capacity
- ✓ Heavy haulage low loaders up to 80 ton capacity

OUR OFFICES

Brisbane Office	Townsville Office
PO Box 269 Carole Park Qld 4300 151 Tile Street Wacol Qld 4076 Phone : (07) 3271 2300 Fax : (07) 3271 2644 brisbane@CASAeng.com.au	61-67 Enterprise Street Bohle Qld 4818 Phone : (07) 4774 4666 Fax : (07) 4774 4222 townsville@CASAeng.com.au
Tender Enquires: tenders@CASAeng.com.au	

OUR PEOPLE

Manager Operations (Director) Peter CASA 0417 664 622 pcasa@casaeng.com.au

Special Project Coordinator Troy Evans 0488 446 020 tevans@casaeng.com.au

Project manager / Safety / QA Wayne Heley 0429 664 622 whaley@casaeng.com.au

Project Manager Tull James 0417 741 316 tjames@casaeng.com.au