

## POSITION DESCRIPTION

Position Title:	DESIGN ENGINEER
Department / Team:	Engineering/Design
Reports to:	Design Manager
Direct reports:	N/A
Location:	Geelong Office
Classification:	NES

### ABOUT US

Established in 1922, [Brockman Engineering](#) designs and constructs bulk liquid storage tanks and piping networks. Our engineering, manufacturing and construction capabilities make us a single-source solution for our customers in the water, petrochemical, and mining industries.

Our Mission:

To deliver SAFE liquid storage and transfer projects. We recognise the value of TIME, and we act with Integrity.

Our Values:

- Safe. Our products are designed to be safe and fit for purpose. We empower our people to work safely.
- Time. We recognise that time is money. We work hard to meet our commitments.
- Integrity. We value honesty, transparency, and ethical behaviour.

Over one hundred years of experience, combined with our mission and values, make us a leading company in the bulk liquid storage and pressure pipework sector in Australia.

Our commitment to our employees, clients and suppliers are central to our success. We bring our absolute best to everything we do.

### POSITION OVERVIEW

The Design Engineer operates as part of the Engineering team to provide civil and structural engineering services to the business. The position ensures reliability and accuracy in the development of designs that utilise the latest techniques and processes to contribute to the success of the business' operations.

### KEY RESPONSIBILITIES

Key responsibilities include, but are not limited to:

- Preparation, coordination, and production of calculations and drawings.
- Preparation, coordination, and production of tender/proposal related designs and drawings for quotation and order confirmation purposes.
- Self-checking of own design and drafting work and checking of design and drafting works by others.
- Document control and maintenance of design and drawing files.
- Maintaining design and drawing registers.

- Assessing design cost saving potential for projects.
- Maintaining technical design and drafting library and maintain quality assurance.
- Liaising with clients, trades, and sub-contractors.
- Performing coordination tasks for each project.
- Maintaining design standards of all designs.
- Providing technical engineering design and drafting support.
- Reporting weekly to the Design Manager on progress and performance.
- Preparing and submitting reports as required by the Company Management System and as directed by the Design Manager.
- Other related duties as assigned from time to time by the Design Manager or arising from contract requirements.

### Other responsibilities

In addition to the key responsibilities, the Design Engineer will:

- Undertake other reasonable duties as directed.
- Apply Brockman Engineering's quality and risk management frameworks.
- Maintain and contribute to individual and collective responsibility for health and safety.
- Be actively involved in professional development to build knowledge and skills.
- Make decisions following Brockman Engineering values, relevant standards, practices, policies, procedures, regulations, industrial instruments and legislation.

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## QUALIFICATIONS, SKILLS AND EXPERIENCE

- Completed an Engineering Degree (B.E. min) with minimum 5-10 years' experience in a design or fabrication environment or similar.
- CPEng qualified or eligible registered engineers preferred.
- Excellent computer skills, including:
  - 2D & 3D CAD (AutoDesk AutoCAD & Inventor & associated variants preferred)
  - SpaceGASS
  - Autodesk Inventor NASTRAN
  - MS Outlook, Excel and Word
  - all working on a Windows OS.
- An appreciation of engineering workshop practice, including welding, steel fabrication, machining and mechanical & structural assembly.
- Experience with:
  - cylindrical & conical plate structures within a design environment.
  - spiral stairways around cylindrical structures within a design environment.
  - clad roof support structures for cylindrical structures (eg steel tanks for containing water) within a design environment.
  - foundation structural / civil design for cylindrical structures (steel tanks) will also be viewed favourably.
- The ability to work cooperatively as part of an engineering/design team.
- High attention to detail and quality of work.

Attributes for success:

- Teamwork and collaboration
- Effective delegation
- Quality focus and attention to detail
- Safety awareness and prioritisation
- Communication and customer service focus

- Analysis and assessment of problems
- Negotiation
- Innovation

## OTHER REQUIREMENTS

As a condition of employment, holders of this position must maintain a range of satisfactory checks. These include:

- Police check
- Right to Work in Australia

## KEY STAKEHOLDERS

Internal stakeholders:

- Design Manager
- Engineering Team
- Project Team
- Workshop staff

External stakeholders:

- Clients
- Suppliers

## PHYSICAL REQUIREMENTS AND ENVIRONMENTAL CONDITIONS OF THE POSITION

Physical or Psychological Requirement	Frequency
Computer based tasks, sedentary position, office-based	Frequently
Repetitive manual tasks	Often
Driving, in & out of vehicles (If driving is required, must hold current Victorian Driver Licence)	Rarely
Bending, lifting, pushing, pulling	Sometimes
Working alone	Rarely
Working outside in differing weather conditions	Sometimes
Working after hours	Sometimes
Working at other sites	Sometimes

## ACKNOWLEDGMENT

A holder of this position acknowledges:

- They have read and understood the general requirements of the position.
- They are suitably qualified and capable to undertake the responsibilities within.
- They agree to notify management immediately of any change to their capacity to meet the requirements outlined in this position description.
- This position description serves to outline the position as accurately as possible but does not constitute a full statement of duties, and responsibilities may evolve in accordance with business requirements.
- That other reasonable duties may also be allocated.