

**Job Title:** Graduate Mechanical Engineer

30 March 2026

**Reports To:** Design Manager**Location:** Firgrove Industrial Park, Macassar

We are looking for a Mechanical Engineer that will form part of the production team to design and manufacture water and wastewater treatment components. The role will involve designing the mechanical components used in water and wastewater treatment. This includes, media filtration, membrane processes, DAF, MBBR and MBR package plants.

The ideal candidate should have solid experience or atleast a keen interest in sheet metal design, steel pipe design and working with laser cutting and press breaks. The role is part of the design team and will work closely with process engineers and the production team responsible for manufacturing our products.

**Key Responsibilities:**

- Mechanical design of custom equipment of process for water and wastewater treatment
- Design mechanical components from P&ID
- Generation of plant layout drawings
- Pipe system design and generating shop drawings
- Design and FEM analysis of key structural components such as structural frames and lifting lugs.
- Implement efficient designs using tube and sheet laser cutter to increase accuracy and reduce fabrication time.

**Qualifications & Requirements:**

- Bachelor's degree in mechanical Engineering, or a related field.
- A keen interest in design and making things and be practically inclined
- Strong analytical and problem-solving skills.
- Proficiency in CAD design software and sheetmetal design
- Effective communication and teamwork abilities.

**Personal Attributes:**

- Strong attention to detail and ability to learn quickly.
- Proactive and self-motivated with a desire to contribute to team success.
- Commitment to safety and adherence to company policies and procedures.

**How to Apply:**

Apply on

<https://recruitment.ulmowater.co.za/jobs/mechanical-design-engineer-18>

(Closes 10 April 2026)