



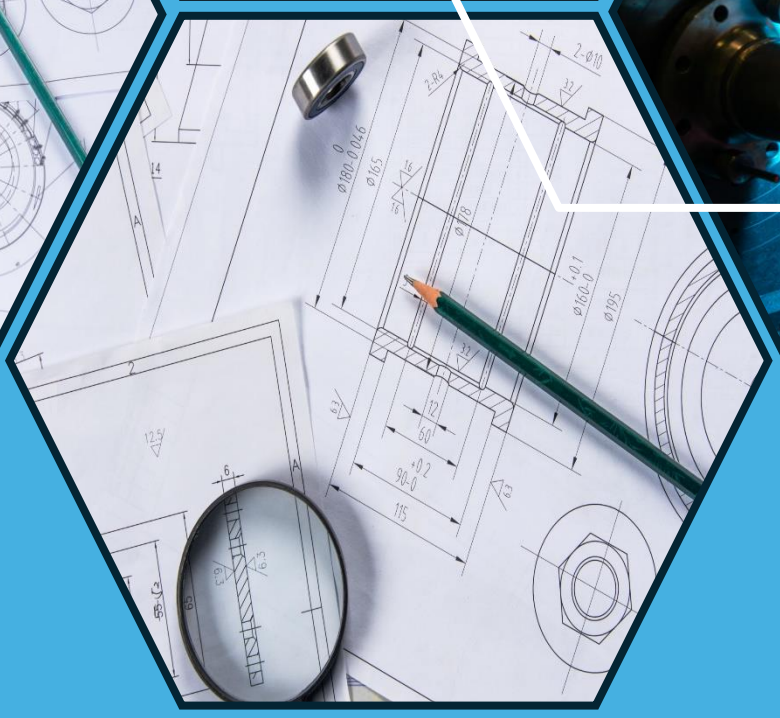





PRO DESIGN & ENGINEERING (Pty)Ltd

Practical Engineering. Built for Industry.



Contact Information

Pro Design & Engineering (Pty) Ltd (PDE)

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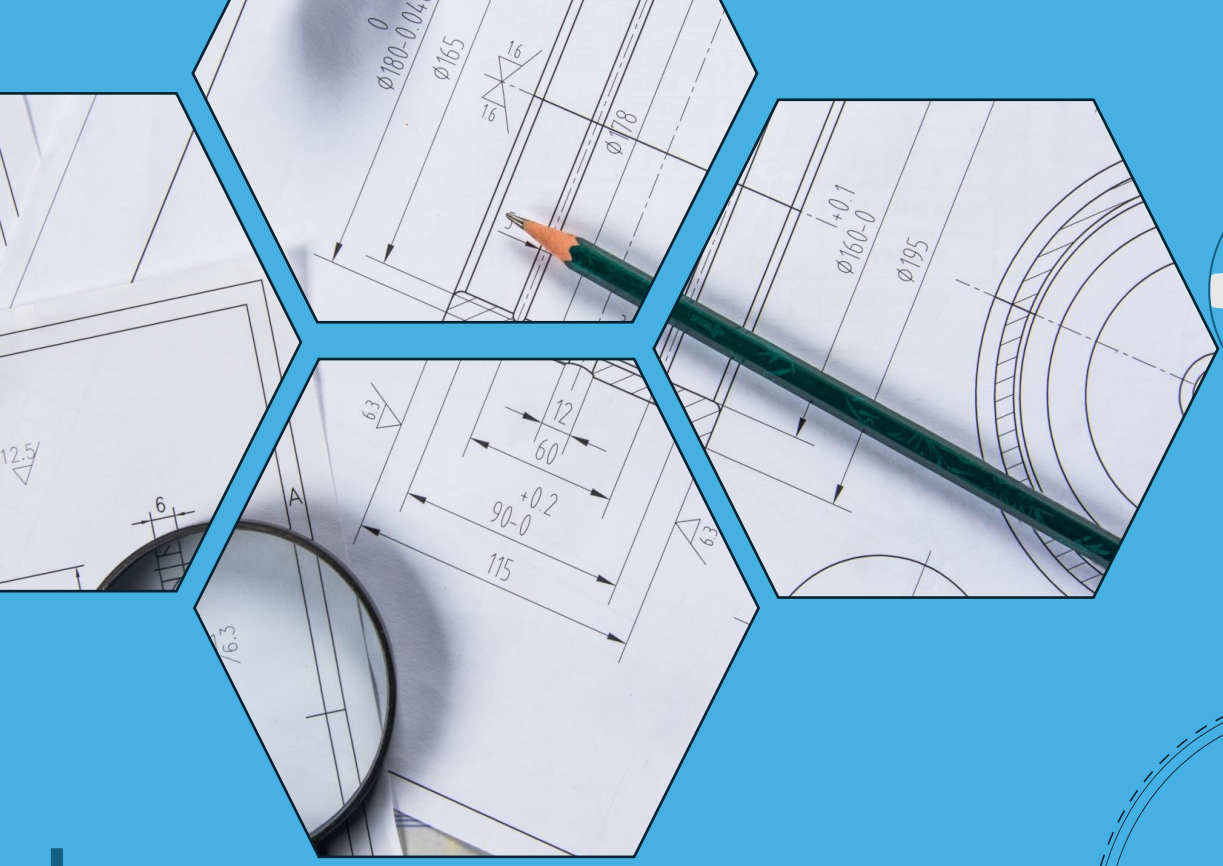

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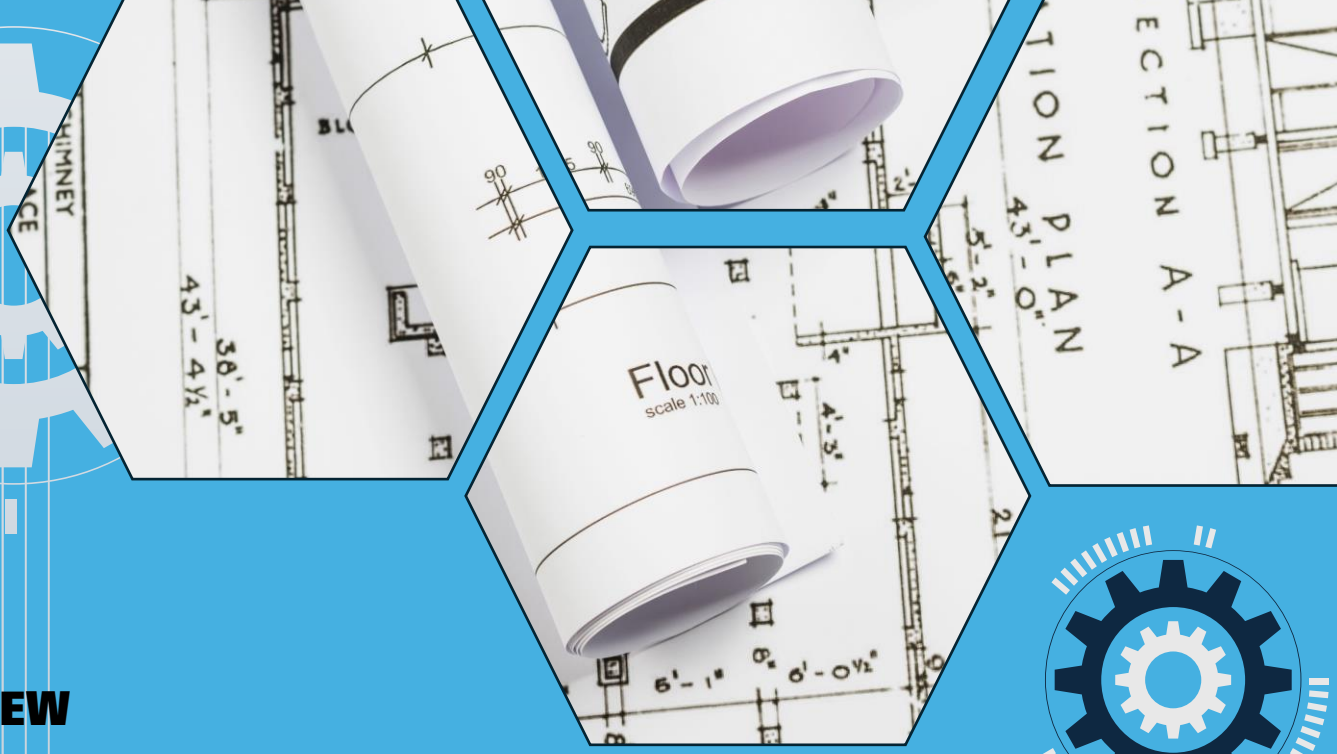


OVERVIEW

Pro Design & Engineering (Pty) Ltd (PDE) was established in 2020 as a multidisciplinary mechanical and structural engineering company, providing practical, compliant, and cost-effective engineering solutions to industrial and infrastructure clients.

The company is supported by ECSA-registered engineers and GCC-certified professionals, ensuring that all engineering work complies with relevant South African standards, statutory requirements, and industry best practices.

Pro Design & Engineering specializes in the design, analysis, and development of engineering systems including water pipelines and pumping systems, conveyor systems, food processing equipment, mining infrastructure, and structural steelwork. Our approach integrates sound engineering principles with real-world fabrication, installation, and operational considerations to deliver reliable and buildable solutions



VISION

To be a trusted engineering partner delivering innovative, reliable, and compliant mechanical and structural engineering solutions that support sustainable infrastructure and industrial growth.

VALUES

- **Engineering Excellence – Accurate, compliant, and technically sound solutions**
- **Client Focus – Tailored solutions aligned to operational needs**

MISSION

To deliver safe, practical, and cost-effective engineering solutions through sound design, regulatory compliance, and industry experience, while adding value across the full project lifecycle

SERVICES

Mechanical Engineering

- **Mechanical design and detailing**
- **Conveyor system design and modifications**
- **Food processing equipment design**
- **Equipment layout and optimization**

Project Support Documentation

- **Method Statements**
- **Installation Procedures**
- **Maintenance Manuals**
- **Quality Control Documentation**

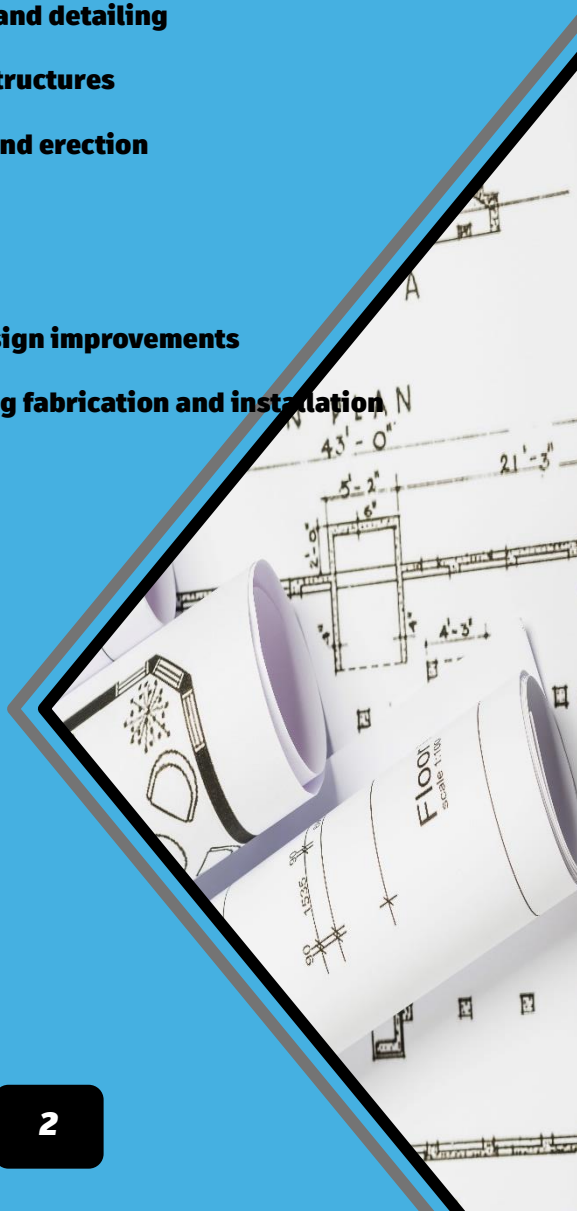
Structural Engineering

- **Structural steel design and detailing**
- **Mining and industrial structures**
- **Design for fabrication and erection**

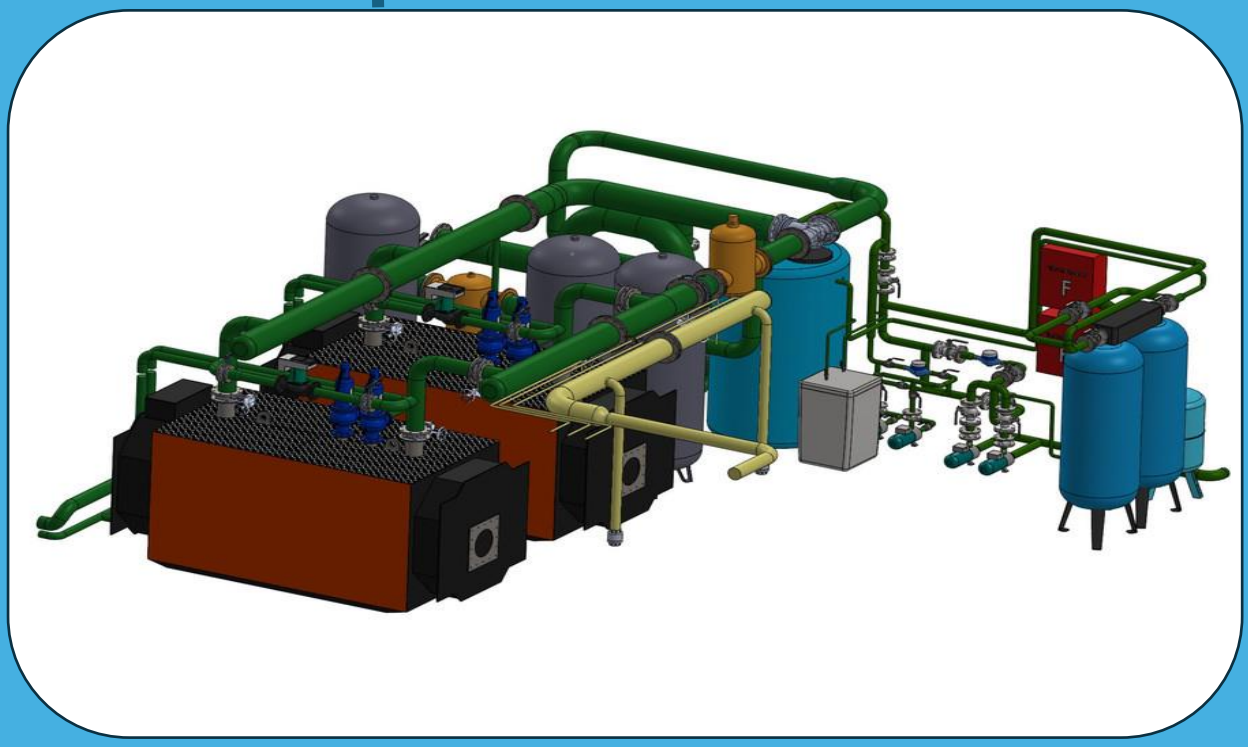
Engineering Support Services

- **Design verification**
- **Failure analysis and design improvements**
- **Technical support during fabrication and installation**



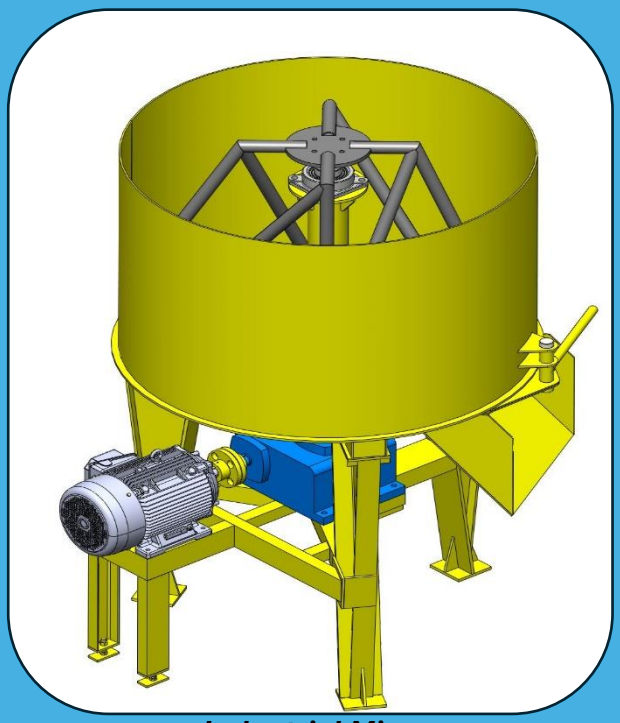


PORTFOLIO



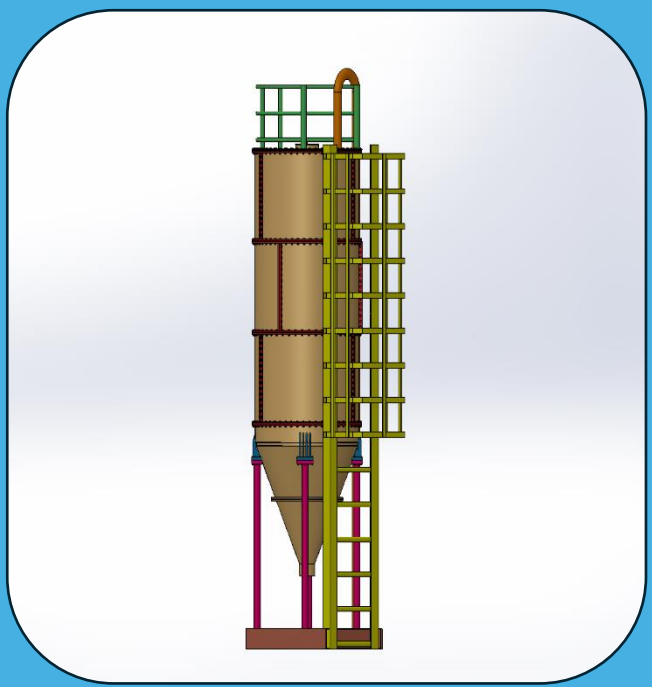
4MW Modular Boiler House

Design of a gas-fired modular boiler system with dual-fuel capability (gas and liquid fuel), focusing on efficiency, safety, and operational flexibility.



Industrial Mixer

Mechanical design and development of a mixer for industrial processing applications, ensuring durability and efficient material handling.



Tank & Structural Platform

Design of storage tank and supporting structural platform, including access walkways and support framing for safe operation and maintenance.



WHY CHOOSE US?

- ECSA & GCC supported engineering expertise
- Practical, fabrication-ready designs
- Strong focus on safety and compliance
- Cost-effective and efficient solutions
- Responsive and client-focused service

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📍 **Gauteng, South Africa**



ACTIVE CLIENTS

Rwendo Engineering & Projects (Pty) Ltd

Unilever

WEST POINT PROCESSORS (PTY) LTD.
A member of the Sea Harvest Group

SIMEP
EMPOWERED TO GROW

316 STEEL

