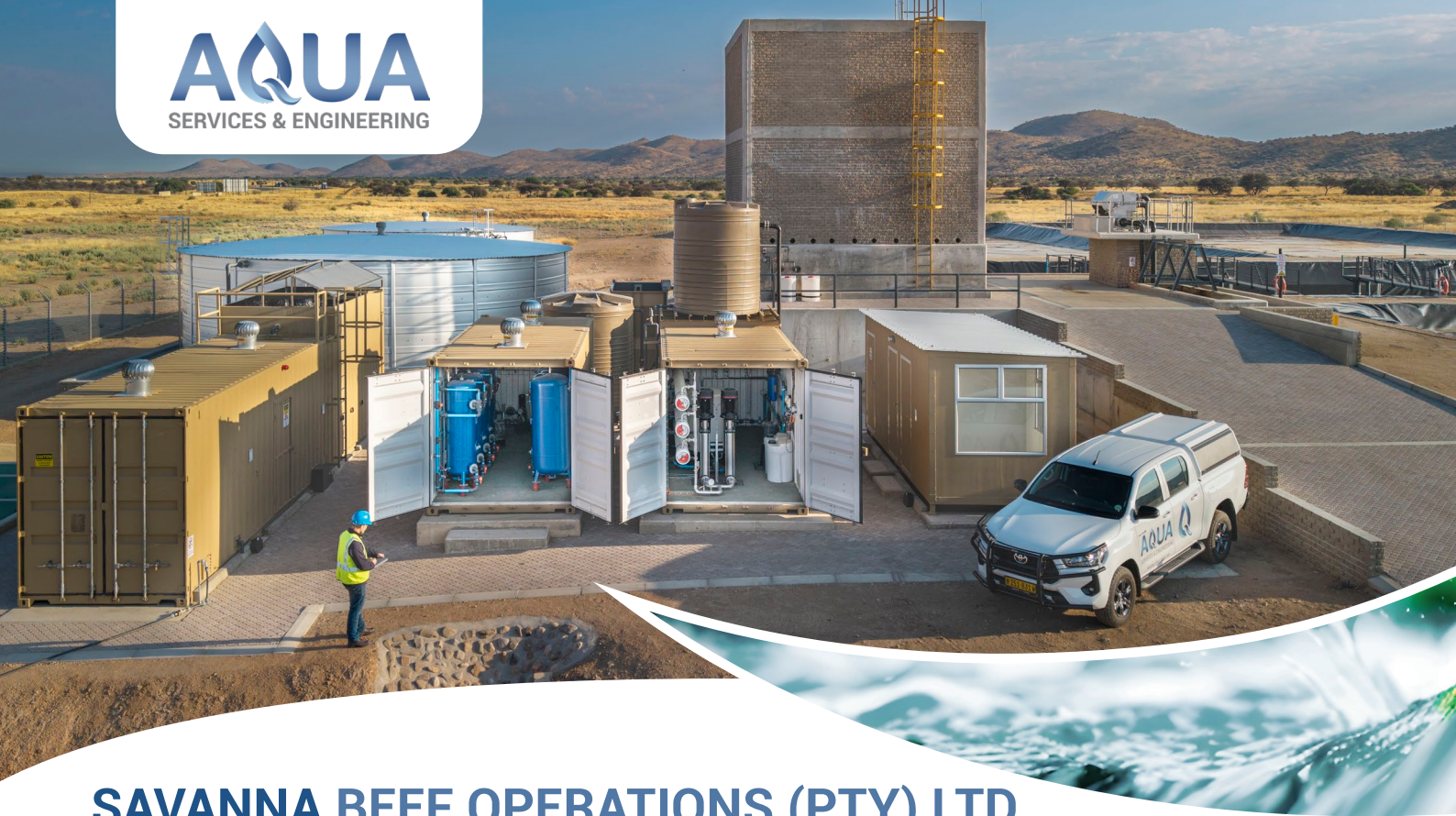




SAVANNA BEEF OPERATIONS (PTY) LTD WATER TREATMENT SOLUTIONS BY AQUA SERVICES & ENGINEERING

Aqua Services & Engineering (ASE) delivered a turnkey water management system for Savanna Beef Operations (Pty) Ltd, with parallel treatment plants for industrial and domestic wastewater. The project turns complex waste streams into reusable water, setting a new sustainability benchmark for Namibia's industry.

The main Effluent Treatment Plant (ETP) converts high-strength abattoir wastewater into high-quality reusable water through a 15-day, multi-stage pond and trickling filter system that stabilises flow and load variations.

KEY PLANT FEATURES

- **BIOLOGICAL TREATMENT**
Low-maintenance trickling filter for reliable removal of organics and nitrogen.
- **ADVANCED POLISHING**
Chemical nutrient removal, lamella clarification, and dual sand/carbon filtration meeting Namibian Special Standards.
- **WATER RECLAMATION**
Reverse Osmosis (RO) system producing water exceeding SANS 241 standards, with zero-liquid-discharge brine control.
- **COMPLETE SITE SOLUTION**
Containerised domestic plant treating sewage for safe irrigation reuse.

The Savanna Beef Operations (Pty) Ltd project showcases ASE's strength in integrated, sustainable water solutions - driven by our *PASSION FOR WATER*.