

# case study

**Location:**

Beira, Mozambique

**Customer:**

AB InBev

**Industry:**

Brewery

**Final water usage:**

Toilet flushing, general non-potable wash water and irrigation water.

**Plant information:**

30 KLPD containerized wastewater treatment plant

## Problem

AB InBev constructed a two-million hectolitre per year brewery in Beira, Mozambique. This new installation required a complete wastewater treatment system to be designed, manufactured, assembled and installed within just two months. The project faced additional challenges due to high peak flow factors during shift changes, necessitating an increased buffer capacity to handle high influx periods effectively. With more than 15 competing companies from six countries bidding for the project, SewTreat had to demonstrate superior process efficiency, ease of installation, low operating costs and minimal waste disposal to secure the contract.



## Solution

Stefanutti Stocks Mozambique appointed SewTreat to deliver a wastewater treatment solution that met the project's tight deadlines and operational requirements. The implemented system included:

- Customized Design & Rapid Deployment: A fully designed and manufactured treatment system delivered within the two-month timeframe.
- Optimized Buffer Capacity: Increased buffer capacity to accommodate high peak flows during shift changes, ensuring stable operation.
- Multi-Stage Treatment Process: The system featured manual intake works, a buffer tank, anaerobic and aerobic treatment stages, a clarifier and final disinfection.
- Efficient Water Reuse: Treated water was repurposed for toilet flushing, general non-potable wash water, and irrigation, maximizing sustainability.

## Benefits to the customer

- ✓ Rapid Execution
- ✓ Cost Efficiency
- ✓ Sustainable Water Management
- ✓ Operational Reliability