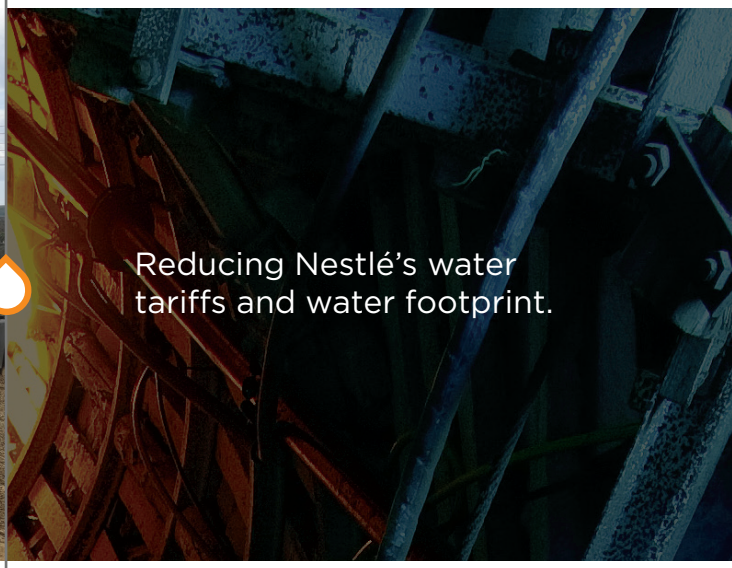
NESTLÉ DAIRY, SOUTH AFRICA

WASTEWATER TREATMENT PLANT



Reducing Nestlé's water tariffs and water footprint.

THE CHALLENGE

South Africa is a water scarce country and the Nestlé facility wanted to reduce their water footprint and water tariffs. They also sought cost effective solutions on how to adapt to the drought that the region was experiencing.

OUR SOLUTION

PROXA designed and commissioned the first phase of a wastewater treatment plant aiming to reduce water intake. This will reduce Nestlé's water footprint and discharge tariffs thanks to a reliable treatment process.

HOW PROXA ADDED VALUE

By listening to Nestlé and asking, "how can we do this better?" PROXA was able to develop a phased approach that not only addressed the technical requirements of the project, but also fitted well into the client's business strategy.

FEED WATER

Dairy effluent

PERFORMANCE TARGET

- Product flow rate 720 m^3 per day
- Removal of Chemical Oxygen Demand (COD)

PROCESS

- Equalisation followed by Dissolved Air Filtration (DAF)

PROCESS RELIABILITY

Flexibility was key. PROXA ensured that the plant could cater for a variable flow rate, variable effluent loadings and changes in the pH levels.

PROCESS INNOVATION

PROXA'S experience in design and maintenance was key to ensuring optimal plant selection and operability.

ENVIRONMENTAL PROTECTION & SOCIAL ENGAGMENT

Global water supply is under increasing stress. This project represents PROXA's ongoing objective to protect water sources, recycle water and reuse it.

Client: Nestlé

Nestlé

proxawater.com

proxa
future focused