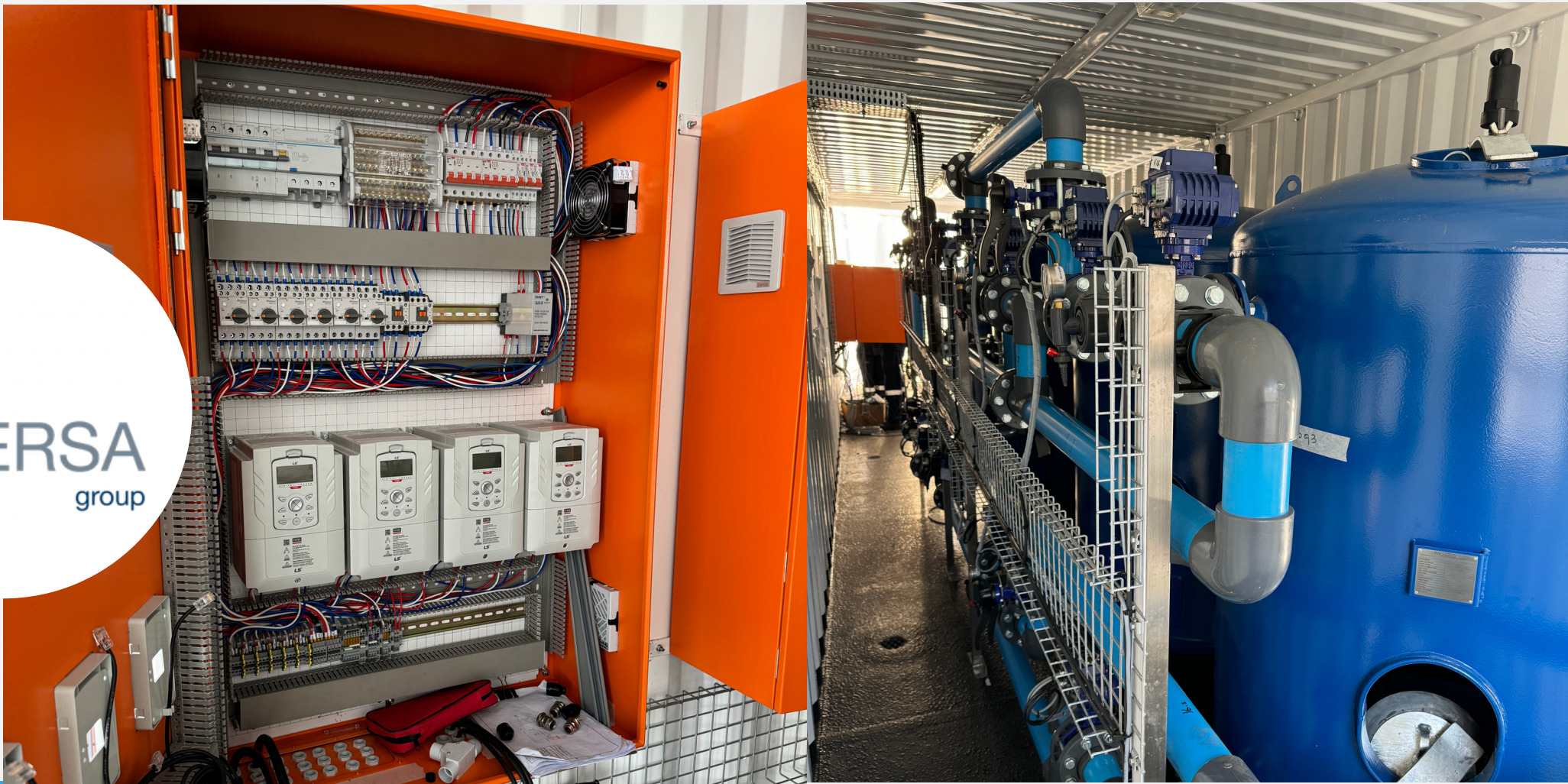




Mining

Containerised potable water treatment plant – Vergenoeg Mining Company



Problem Statement

The existing water treatment equipment was old and undersized and couldn't provide the required drinking water quality the mine needs. Therefore, a new system was required.

Solution

Watericon provided a new 20m3/h containerised treatment plant with RO as the final process treatment step. Since implementing the new treatment system, our client has the benefit of:

- Safe drinking water at the mine
- Safe potable water at the mine for utilities



Typical plant feed

- TDS – 700 mg/L
- Turbidity – 25 NTU
- Conductivity – 100 mS/m
- pH – 8.0-9.0



Performance Target

- TDS < 1200 mg/L
- Turbidity < 1 NTU
- Conductivity < 170 mS/m
- pH – 5.0-9.7



Process

- Disinfection
- Flocculation
- Sand Filtration
- Activated Carbon Filtration
- Reverse Osmosis
- pH Correction