

ALAMAN CAMP STP ROYAL GUARD OF SULTANATE OF OMAN

ROYAL GUARD OF OMAN

The Royal Guard of Oman had designated MENA-Water for design, manufacture, build, supply, testing, commissioning and maintenance of a sewage treatment plant for AL Aman Camp Project. The project is located near Bait Al Barakah Palace, Muscat in Sultanate of Oman.

**PLANT
CAPACITY
1,000 m³/day**



RGO STP

RGO STP is designed to receive domestic waste water by underground sewer. It has a design capacity of 1,000 m³/day. The design is based on activated sludge sewage treatment process and build as package plant.

MENA-Water

MENA-Water provided the full design, supply, installation, commissioning, startup and operation & maintenance for the complete plant.

The scope of work was covering lifting station, screening, grit removal, aeration, MBR-system, tank for treated water and storage for sludge including sludge dewatering, odour control unit and measuring Instruments.

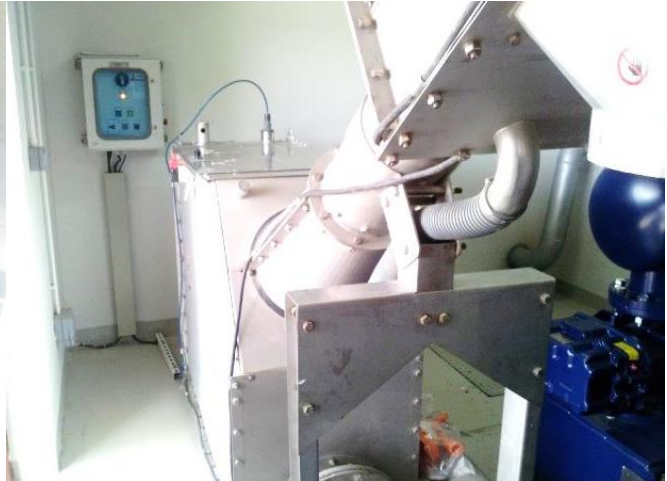
The complete plant is operated by PLC and ready for remote monitoring.

Equipment	Application
Screen	Screening Removal
Grit & Grease Trap	Sand , Grease & FOG removal
Mixer and Aeration	Biological treatment
MBR	Filtration
Blower	Aeration and scouring
Pumps	Grit pump Lifting pumps MBR feeding Permeate removal Treated water Service water pump
Sludge Removal	Sludge dewatering
Odour Removal	Odour control unit
Instruments Field	For Flow, Level (Hydrostatic), TSS, DO, Pressure
MCC and PLC	Complete Auto Control





Buffer Tank



Inclined Screen



Aeration Tank



Plant Control



Dry Bag Sludge Dewatering



Activated Carbon Odor Control System