

WATCH WATER UAE | TECHNICAL OVERVIEW

Quantum XSW

Quantum XSW is engineered within the Oxy treatment technology platform. Oxy treatment products are used for oxidation, oxygen delivery, disinfection and environmental remediation. The process is engineered around pollutant demand, reaction kinetics, pH, contact time and the solids or by-products that must be managed after reaction.

TREATMENT FOCUS

- 01 **COD and colour reduction**
- 02 **Odour and sulphide oxidation**
- 03 **Bacteria and virus control**
- 04 **Ammonia and inorganic oxidation**
- 05 **Lagoon and aquaculture oxygenation**
- 06 **Difficult wastewater and leachate**

TECHNICAL WORKFLOW

- 01 **Measure:** Characterise pollutant load, COD/BOD, pH, solids, target compounds and the required endpoint.
- 02 **Apply:** Introduce the selected oxidation or oxygenation product at the designed location and dose.
- 03 **React:** Provide mixing, contact time and process conditions for the intended oxidation pathway.
- 04 **Separate:** Remove precipitated or oxidised material and verify the treated-water result before discharge or reuse.