

WATCH WATER UAE | TECHNICAL OVERVIEW

BisOxy-Liner

BisOxy-Liner is engineered within the Adsorption technology platform. Watch Water adsorbers use specialised mineral, carbon, redox and selective media surfaces to capture or transform dissolved contaminants. Capacity is not a fixed universal number: the complete water matrix, competing species, pH and contact time determine real project performance.

TREATMENT FOCUS

- 01 Heavy metals and metalloids
- 02 Organic contaminants and VOCs
- 03 PFAS and emerging contaminants
- 04 Nutrients and selective ions
- 05 Chlorine and chloramine
- 06 Specialist industrial pollutants

TECHNICAL WORKFLOW

- 01 Characterise: Identify target species, concentration, pH, competing ions, organics and suspended matter.
- 02 Contact: Water is distributed through the media bed at a velocity that provides the required empty-bed contact time.
- 03 Capture: Contaminants bind to, react with or are transformed at the active media surface.
- 04 Control: Performance is monitored until the selected breakthrough criterion triggers media replacement or regeneration where applicable.