

WATCH WATER UAE | TECHNICAL OVERVIEW

Titansorb

Titansorb is a titanium-dioxide-based adsorber developed for arsenic and a broad range of heavy metals. Its project capacity depends strongly on arsenic species, pH, silica, competing ions, contact time and the selected breakthrough criterion.

TREATMENT FOCUS

- 01 **Arsenic III and V treatment trains**
- 02 **Lead**
- 03 **Cadmium**
- 04 **Chromium and selenium**
- 05 **Mercury and copper**
- 06 **Heavy-metal polishing**

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.