# CASE STUDY

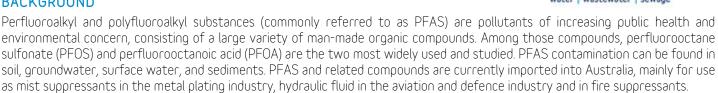
# PROJECT PEAS TREATMENT PLANT

**PRODUCT** Multimedia Filtration (MMF)

**INDUSTRY** Infrastructure and Urban Development

LOCATION Western NSW

## BACKGROUND



The toxicity, bioaccumulation potential, and resistance to natural degradation of these chemicals has led to great concern for their adverse effects on human health and the environment. Subsequently, treatment systems for the removal of these compounds are being installed across Australia and internationally. MAK Water was approached by a tier one contractor to manufacture two mobile PFAS removal plants to treat a mixture of contaminated stormwater and secondary effluent for off-site discharge.

#### SOLUTION

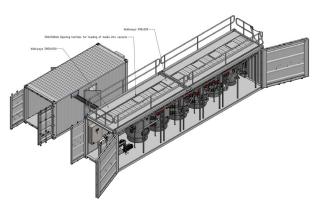
Containerised Multimedia Filter (MMF) to treat 240 m<sup>3</sup>/day of PFAS contaminated water.

#### MAK WATER KEY SOLUTIONS

- Custom manufacture of customer design for a mechanical and electrical package using chemical dosing, media filtration, granular activated carbon (GAC) and specialised resin
- AS1210 media vessels
- package Custom instrumentation Premium including Instrumentation package with ClearAccess™ Remote Monitoring and Control
- Containerised system with custom roof hatches and side opening doors for practical access, folding guardrails suitable for road transportation

### **RESULTS AND BENEFITS**

- Portability. Side-opening sea containers offer great accessibility in an standard road-transportable package for rapid deployment
- Turnkey Solution. Complete package of bespoke client design for plug and play deployment to various sites
- Technical Support. Expert advice and consultation with all parties throughout the process
- Plant Reliability. The high-quality equipment and quality manufacturing have provided reliable in field operation with minimal maintenance



3D schematic of one of the two plants designed by our in-house engineering team



Two photos of one of the filtration plants in the testing bay at the MAK Water factory



