

CASE STUDY



PROJECT MOBILE DEWATERING SOLUTION FOR MINING

PRODUCT DSP-131, ASP-1C

INDUSTRY Mining

LOCATION Pilbara, Western Australia

BACKGROUND

A long-term service client reached out to MAK Water to investigate dewatering options for their operation. A review of monthly sludge removal costs at five small sewerage treatment plants found costs were excessive.

MAK Water collaborated with the client, designed a compact mobile dewatering screw press (DSP) and polymer preparation system (ASP) that can be towed to access each site. This innovative solution reduced the waste by volume without the need for individual units at each plant.

The mobile DSP and ASP significantly lower sludge trucking costs, saving money and reducing environmental footprint. It is estimated that the cost savings will provide return on investment (ROI) on this unit within 18 months.

SOLUTION

A trailer mounted DSP and ASP that can be moved from site to site for sludge dewatering providing significant cost saving benefits.

MAK WATER KEY SOLUTIONS

- Innovative trailer mounted, fully mobile solution
- Significant sludge removal cost reduction
- Custom manufactured solution
- Robust system design
- Increased optimisation and reliability of the plant
- Onsite plant commissioning and operator training
- Ongoing service and maintenance contract

RESULTS AND BENEFITS

- **Lower costs.** Significantly reduced sludge trucking costs
- **Sustainability.** Reduces environmental footprint from transportation of sludge
- **Compliance.** Achieves a sustainable sludge removal process.
- **Technical Support.** Expert advice and consultation with all parties throughout the process
- **Smart water solution.** Completely new concept from initial discussion to implementation.



Trailer mounted DSP and ASP

