



Tricomm Construction

Total Mining Industry Water Infrastructure Solutions

Tricomm Construction has the capability to provide Mining Industry Water Infrastructure for new or retrofit projects.



Complete Water Solutions

- Coal Seam Gas Produced Water Pre-treatment and Recovery Systems.
- Sludge Management Systems.
- Brine Concentrating Systems.
- Pond Cleaning Services.
- De-sludge Systems.
- Mud Removal Systems
- Pond pH Correction Systems
- Liquid / Liquid / Liquid Separation and Reclamation
- Liquid / Liquid / Solid Separation and Reclamation
- Increase your Green Star rating for sustainability
- Rainwater Harvesting & Storage, provide potable water for all areas of human consumption & usage
- Produced Quality effluent exceeding discharge license limits
- Whether a new or existing facility, Tricomm Construction can work with you to develop the most appropriate solution for small footprint locations.

Key Features:-

- Socially Responsible
- Small Footprint
- Scalable System
- Alan Bradley, Siemens PLC
- Manufactured from, High Grade Materials
- Mobile Solutions
- Custom Installation
- Containerised Solution
- Proven Technology
- Field Tested in Remote, extreme locations.

Advantages

- Innovative and Creative Design
- Real Time Effluent Monitoring, Guaranteed Water Quality
- Fully Automatic, Robust, Reliable & Economical
- Full Remote System Monitoring / Control
- Proven Field Tested Operational Technologies

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Product Information



Tricomms Fluid Treatment System (FTS)

Tricomms FTS is a proven water reclamation and recycling system, designed to treat produced water from well sites for recycling by using separation, filtration and multistage processes. The process can be adapted to work from pre-treatment through to RO facilities.

Tricomms De-sludge

The Tricomms De-sludge system was developed to reduce the amount of liquid sludge being transported from the field. The automatic system manages the liquid sludge levels produced in the field. A more efficient dry sludge is produced creating greater cost savings for clients.



VSEP

(Vibratory Shear Enhanced Process). This technology has been developed to concentrate Brine reject from the RO process. The vibrating technology reduces the amount of fouling on the membranes allowing for a 70-90 % recovery. Due to the capabilities of the technology, a wide variety of fluids can be treated from compressor waste fluid to highly contaminated field fluids.

Voraxial Separator



The **Voraxial Separator**, a new separation technology designed to separate on specific gravity, which can be used for Produced Water reclamation. The Voraxial Separator Skid employs two Voraxial Separators, a Coalescer, and a Polishing Unit. The unit can separate Liquid/liquid and Liquid/ Liquid/Solids over a wide flow range of 11 L/Minute to 13,000 L/Minute.



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Tricomms Spill Control Systems

The **Spill Control System** allows for trucks to load and unload on site, limiting any spillage of product to grade. A top and bottom fluid loading system can be fitted to the Spill control system allowing trucks to be loaded to a pre-determined volume with Automatic shut off. Waste product is transferred to a storage facility via a solar or electrical powered transfer pump dependent on location.



Pontoon Pumping Systems

The **Pontoon System** allows for the transfer of fluid from storage ponds for treatment / operation. The pontoon pumping system is designed to suit client's requirements. There are numerous advantages of the pontoon system over land base pumps. The pontoon can be launched and recovered via a crane or a dolly system dependent on location and access.

Storage Tanks

Tricomms storage tanks are designed to meet client's operational requirements. Tank designs includes Fluid storage, Mud / Drilling fluid storage, Solid Liquid Separation, and Drilling Cutting Separation. All Storage Tanks are built to Australian standards.



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