

## Case Study

# Port Hedland Port Authority & Schlumberger Oilfield Australia, Perth International Airport



Cullys is an established Australian engineering contractor and maintenance services provider. For 18 years Cullys has serviced the Water, Marine, Defence, Petrochemical, Mining, Construction, Power and Telecommunications industries.

We offer turnkey & lifecycle management solutions and provide our clients with a single point of contact for all communications, liaison and management responsibilities. Cullys has been selected by CLEARMAKE as their technology deployment partner to provide sale & product support, project management, engineering design, environmental solutions, site infrastructure construction, systems integration & commissioning and through-life support services.

The Partnership has a proven record in successfully delivering multi-disciplinary projects and offers a full service package in response to client needs.

Cullys National presence ensures efficient and effective support is provided. Our National coverage includes Perth, Darwin & Sydney and through our strategic alliance partners, the business has points of presence in Melbourne & Brisbane.

As Principal Contractor, Cullys offers 'turn-key' solutions and provides its clients with a single point of contact for all communications, liaison and management responsibilities.

Cullys Management Systems is implemented to manage all aspects of our business. The management system provides a framework by which the performance of the customer focused business activities; the health & safety and environmental management activities can be monitored, controlled and continuously improved.

Cullys is committed to ensuring the health, safety & welfare of all personnel within its workplaces & ensuring a high standard of environmental performance from management, employees & contractors. Cullys management team accepts responsibility for the effective implementation of this policy & will provide systems, education, supervision & support to ensure a safe working environment.

Cullys commitment to professionalism has seen our client base continue to expand. Our flexibility allows Cullys to be able to deliver exceptional results across a complex and varied customer base. We provide the full range of consulting, electrical, mechanical, structural and process solutions that are applied to new projects, upgrades, expansions, renewals and operations & lifecycle support phases.

For further details please refer to the company website - [www.cullys.com.au](http://www.cullys.com.au).

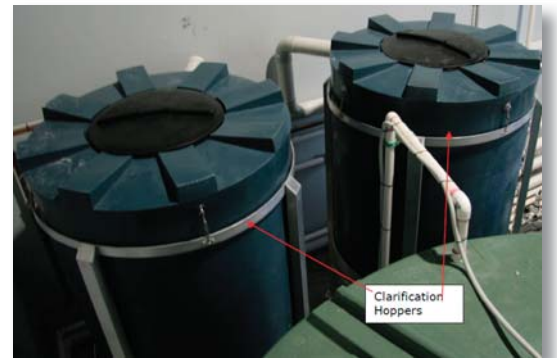
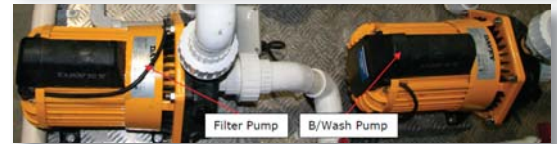
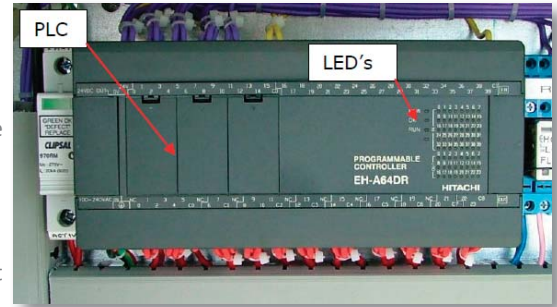
### Schlumberger Perth Airport System Overview

The Clearmake WRS 3000 Custom is a skid mounted waste treatment plant that will be fed water from a collection tank (by others) and uses a combination of pH balancing, flocculation, clarification, filtration and disinfection processes to produce treated water of a quality suitable for reuse in the equipment wash bay. Sludge is automatically decanted from the clarification module and fed back to the holding tank. Filter backwash water is taken from the treated water storage and discharged to sewer if allowed; otherwise it is fed back to the holding tank for processing. This means that sludge will accumulate in the holding tank. This quote includes the option of a 285 L automatic filter press to treat the sludge and produce a dry cake as opposed to a liquid waste sludge. The system also includes a turbidity sensing system, a total dissolved solids (TDS) monitor and a remote data transmission & access system for the control system.

The customer should note that the system design incorporates specialized methodology to address the presence of the Synthetic Olefin and the characteristics of the drilling fluid that require it to be isolated from strong acids and oxidizing substances. As such this system is a custom configuration designed to meet the Workplace Health & Safety guideline requirements for recycled water quality.

### Port Hedland Port Authority

The Clearmake WTS 4500 Custom is a skid mounted waste treatment plant that will be fed water from a collection tank (by others & incorporate a stormwater diversion system as the washdown area is uncovered) and uses a combination of pH balancing and flocculation processes to produce treated water of a quality suitable for reuse as a nonpotable water supply for roadsweepers.



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