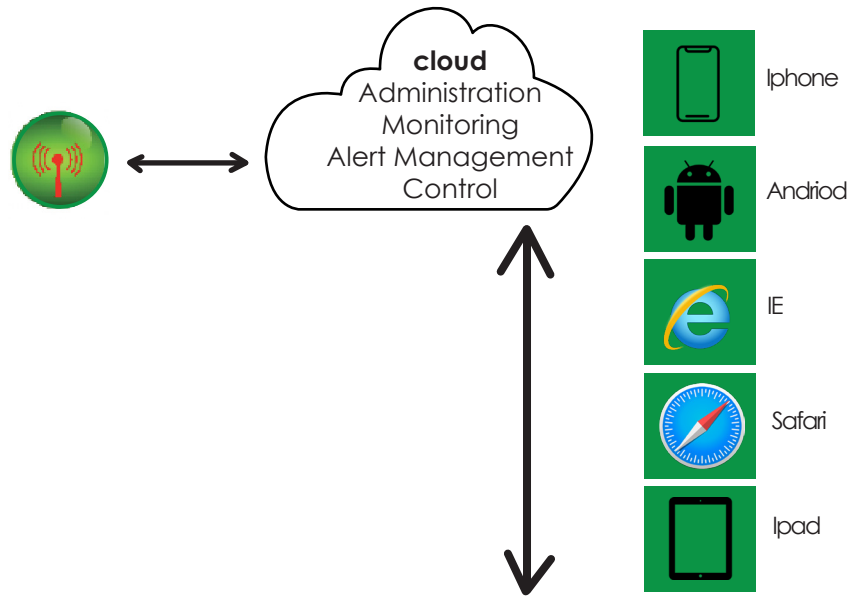




WATER CLARIFICATION DOSING UNIT



WATER CLARIFICATION UNIT

- Designed to treat water from dewatering and wastewater effluent by chemical dosing and settlement of solid contaminants.
- AU 30 can treat up to 10L/sec of incoming water.
- The flow and treatment quality for a given project is largely dependent on an analysis of the water quality, in particular the amount of suspended and dissolved solids and the desired water quality.
- If required, flocculant and polymer can be dosed to achieve the desired water quality.
- Accumulated solids are removed from the bottom of the unit as required by an automatic desludging system.
- Treated water flows upward and is discharged from the unit for further treatment if required.

CLARIFIER WITH CHEMICAL DOSING

DESCRIPTION	SYSTEM CHEMICAL PROCESSING CHAMBER
Lighting	Internal LED lighting
Dosing Pumps	3 x Dosing Pumps
Chemical Tank	2 No. 200 litres
	1 No. 100 litres
Chemical Mixers	2 x Paddle Mixers
Process Mixers	3 x Inline Stainless Steel Static Mixers
Level Sensor	3 x Tank Level Sensors
Dispenser	1 x Flocculant Venturi
Chemicals	Flocculent F1 in powder/ liquid form
	Coagulant C2 in powder/ liquid form
	Chemical Area Fully Bunded
Security	Full Lockable Security Gates on Chemical Chamber

AUTOMATIC DESLUDGING SYSTEM

Desludge Valves	2 x Electric
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WATER CLARIFICATION DOSING UNIT

Up To 8 Sensor and Parameter Inputs



CLEARTEC

PH SYSTEM (OPTIONAL)

Dosing Pump	1 x PH PID Dosing Pump
Chemical Tank	1 x 100 Litres

	Electromagnetic Flow meter
	Logging
	Telemetry
	Safety Shower

GENERAL	
Influent Diameter (mm)	75
Effluent Diameter (mm)	100
Settlement Area (m2)	40
Hydraulic Capacity (m3/hr)	30-40
Dimensions (L x W x H)	3.0 x 1.8 x 2.5
Lifting	4 Lifting Points
	Galvanised Lifting Chain Rub Plates
Transport	4 Tie Down Points/ Fork Time Slots
Access	Pull-out Tilting Ladder / Folding Hinged Railing
Top Of Unit	Hinged Walk Way Hatches / Fitted with Locking Clasps
Weight Dry (kgs)	2000

CONTROL SYSTEM	
Control Panel	Weatherproof to IP54 Steel Cabinet with manual/ automatic control of
	Touch Screen PLC Controller
	Chemical Dosing Pumps
	Chemical Mixers and Automatic Timers
	Primary Chamber Level Sensor
	Chemical Tank Level Sensors
	Desludging Valves and Automatic Timers
	PH Dosing Pump & Probe (if fitted)

