



WATERCARE INNOVATIONS

Solid/Liquid Separation

# INTEGRATED HIGH RATE CLARIFIER & DEWATERING SYSTEM



**A seamless equipment interface within a complete, integrated system, is key to the success of any process.**

Watercare Innovations and Scamont Engineering have joined forces in developing a market-leading clarifying & dewatering solution. This complete, integrated system combines decades of experience in clarifier and pumping operations, and is made up of the following OEM equipment:

### Watercare Innovations:

- High-rate clarifier
- High-flow de-grit plant
- Automatic flocculant dosing plant
- Automatic powder dosing plant
- Electric control and instrumentation coupled with remote monitoring

### Scamont Engineering:

- Reciprocating plunger sludge pumps
- Multi-stage centrifugal clearwater- and dirty water pumps
- Submersible slurry pumps

Through this exciting and constructive new collaboration, we are able to offer the end user a complete solution for the clarifying and dewatering of most process streams.

### Applications:

- Underground, opencast and dredge mining
- Mineral processing
- Wastewater

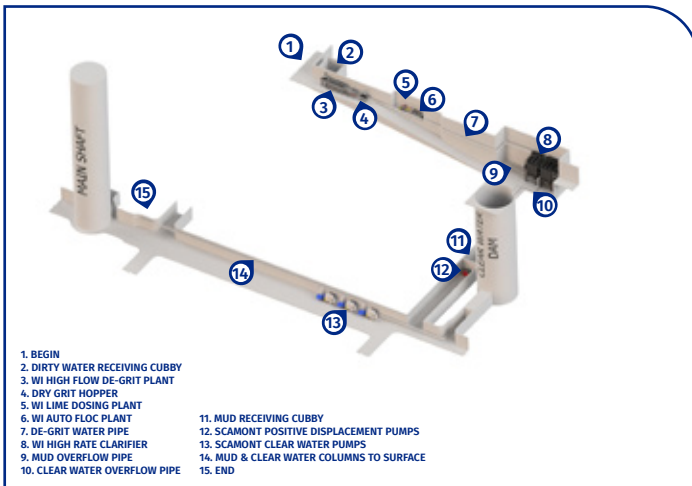
### A wide range of benefits, including:

- Individual contractor for the total integrated system, thus eliminating interfacing difficulties between individual sub-contractors.
- Drastically reduced construction & installation cost due to single level, compact excavation.
- Modular
- Flexible orientation of individual equipment based on end users' site requirements
- Minimal civil design and construction required.
- Semi- or fully automatic control
- Minimal operator intervention

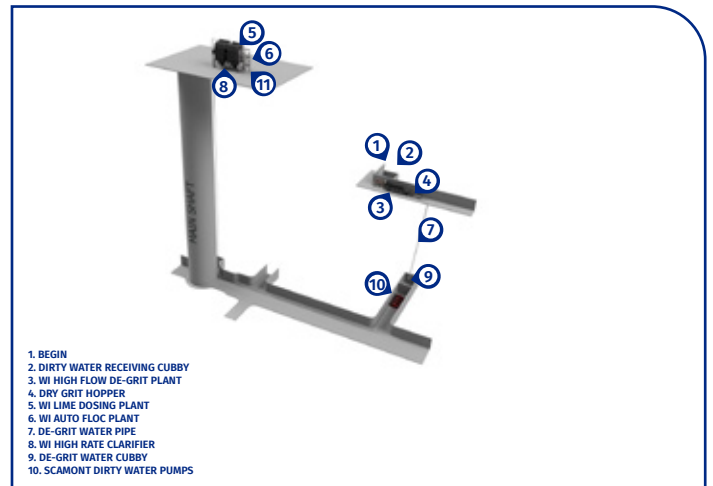
### System Types:

**Type 1:** Underground de-grit and clarifying, coupled with mud- and clearwater pumping system (Figure 1)

**Type 2:** Underground de-grit and surface clarifying, coupled with dirty water pumping system (Figure 2)



TYPE 1



TYPE 2



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Watercare Innovations LLC  
Telephone: +1 (910) 378 4988 | [sales@watercareinnovations.com](mailto:sales@watercareinnovations.com) | [www.watercareinnovations.com](http://www.watercareinnovations.com)  
PO Box 77103 Charlotte, NC 28271 | 3440 Toringdon Way Suite 205, Charlotte, NC 28277