

te-sewpas™



The te-sewpas™ is an efficient air-lift desludging system for primary and final settlement tanks. Simplicity of operation and minimal operator intervention provides significant benefits against traditional manual desludging systems.



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We've been using the air lift systems of various makes on our sites for the last 20-25 years

The te-sewpas™ is particularly robust and we decided to retrofit additional systems in place of conventional progressive cavity pumps at both Stillington and Sutton-on-the-Forest

Yorkshire Water

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TE TECH
PROCESS SOLUTIONS®



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te-sewpas™ Operation

The te-sewpas™ desludging equipment is a self-contained unit which operates on the principle of an intermittent pulsed air lift. The integral PLC/HMI control system operates the solenoid valves fitted within the unit. This controls the amount of air delivered to the existing sludge discharge pipework and the time delay between desludging events.

Each pulse of air lifts a quantity of sludge discharging from the existing sludge discharge pipe, whilst the variable delay ensures that sufficient time elapses for the sludge to recover or refill the sludge pipework, to ensure consistent desludging.

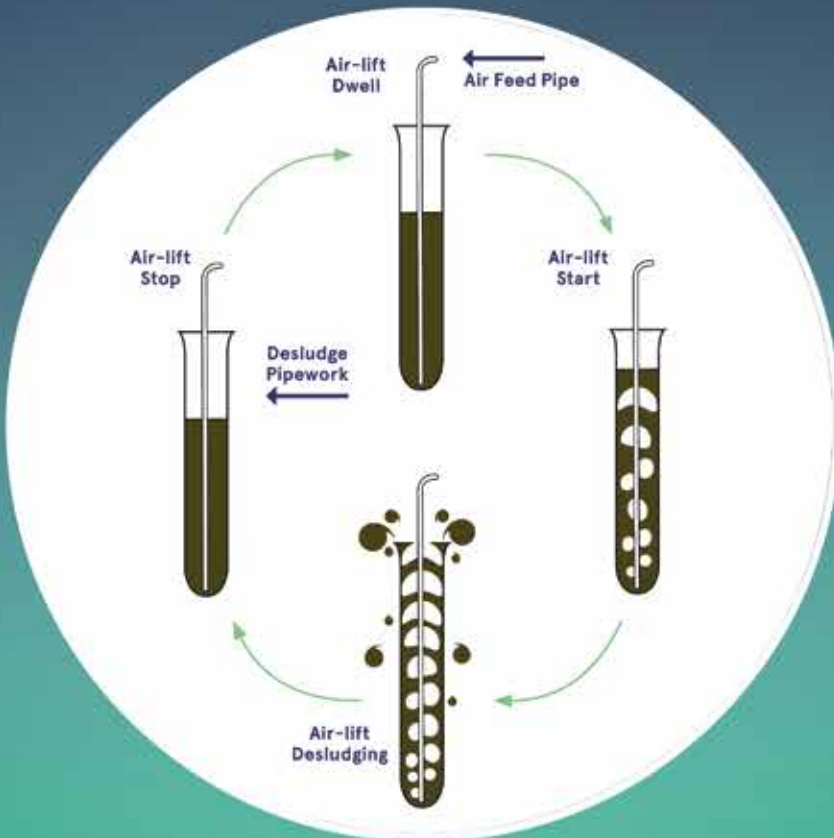
The PLC/HMI incorporated within the Control Panel, enables the unit to be easily programmed to desludge at any selected interval to satisfy the specific needs of each site. The system can also be operated and monitored remotely by the client's control system.



Main Advantages

- Low Operating Costs
- Minimal Maintenance
- Simple Desludging Interval Adjustment
- 4kW Side Channel Air Blower

Hydrostatic Operation Sequence



Typical Time Control Setting Screen on HMI (One Screen for Each Tank)



Typical Overview Screen on HMI (Two Tank System)

