

BENEFITS

- STREAMLINE OPERATIONS
- OPTIMISE EFFICIENCY
- SET POINT ADJUSTMENT
- WEB BASED DATA HOSTING

COMPLETE SOLUTIONS

Solutions designed and built to each individual requirement whether new build or retro-fit. Complete design, build, installation, commissioning and maintenance services

WEB ENABLED DATA

Monitor multiple process transactions and produce customizable reports and trending via secure web based applications



WaSP POS ADC - Auto Decant control

Introduction

The WaSP POS product range provides an opportunity for minimizing cost and increasing efficiency through enhanced control, data capture, visualisation and process monitoring. The solutions can be deployed as a multiple 'one stop' solution for new build or retrofit environments.

Efficient Operations

Decanting operations which are used to remove supernatant from a holding / storage tank should allow sufficient settlement stages prior to the process. This will allow concentrated materials and solids to settle ensuring only the desired contents are decanted during the process thus preventing higher solids concentrations being removed.

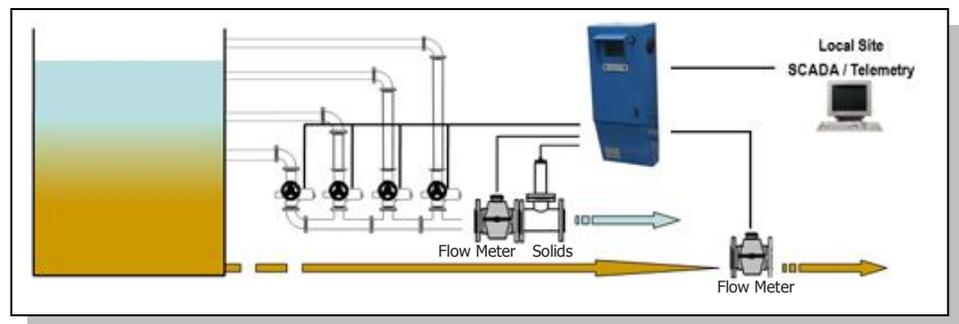
The POS ADC controls the automatic decanting of holding tanks using information from in-line solids monitoring to ensure efficient removal. By ensuring that liquid being removed from the tanks is low in solids, increased levels of performance can be achieved ensuring efficient settlement. The system can be setup to operate on a timed basis or alternatively can be integrated with sludge tank level monitoring for optimum continuous automation by pumped or gravity operating methods.

Depending on the configuration the decant solution would consist of either decanting pumps or decant valves. Following the user configured settlement stage the POS controls the complete decanting process to transfer supernatant to the next stage of treatment or disposal.

The POS ADC solution is deployed in conjunction with multiple off take points and solids monitoring instrumentation providing enhanced control of decant pumps / decant valves ensuring the process is monitored and continually optimized to provide increased operational efficiency.

Control & Monitoring

The WaSP POS provides continuous monitoring and control of important site process functions allowing critical data to be logged and sent via GPRS comms to a dedicated data portal for monitoring / optimization as well as integrating with local SCADA and controls as appropriate. By analyzing important process data captured, set point adjustments can be made and control loop parameters can be optimised to provide enhanced process results.



System Features

- ❖ No bespoke PLC software configuration / programming required
- ❖ Text Alerts and messages to local operations staff / maintenance
- ❖ Real time transaction data reporting analysis & trending via GPRS
- ❖ Full local / remote data archive
- ❖ Remotely manage diagnostics / maintenance / facility status
- ❖ Integration with local SCADA / Profibus



Unitspark Ltd

Unit K Lambs Farm Business Park
Swallowfield
Reading
Bershire
RG7 1PQ

info@unitspark.com
0118 975 0326