

STRATHKELVIN
ASP-CON
Activated Sludge Plant Controller

IT'S LIKE HAVING YOUR BEST OPERATOR ON-SITE 24-7!

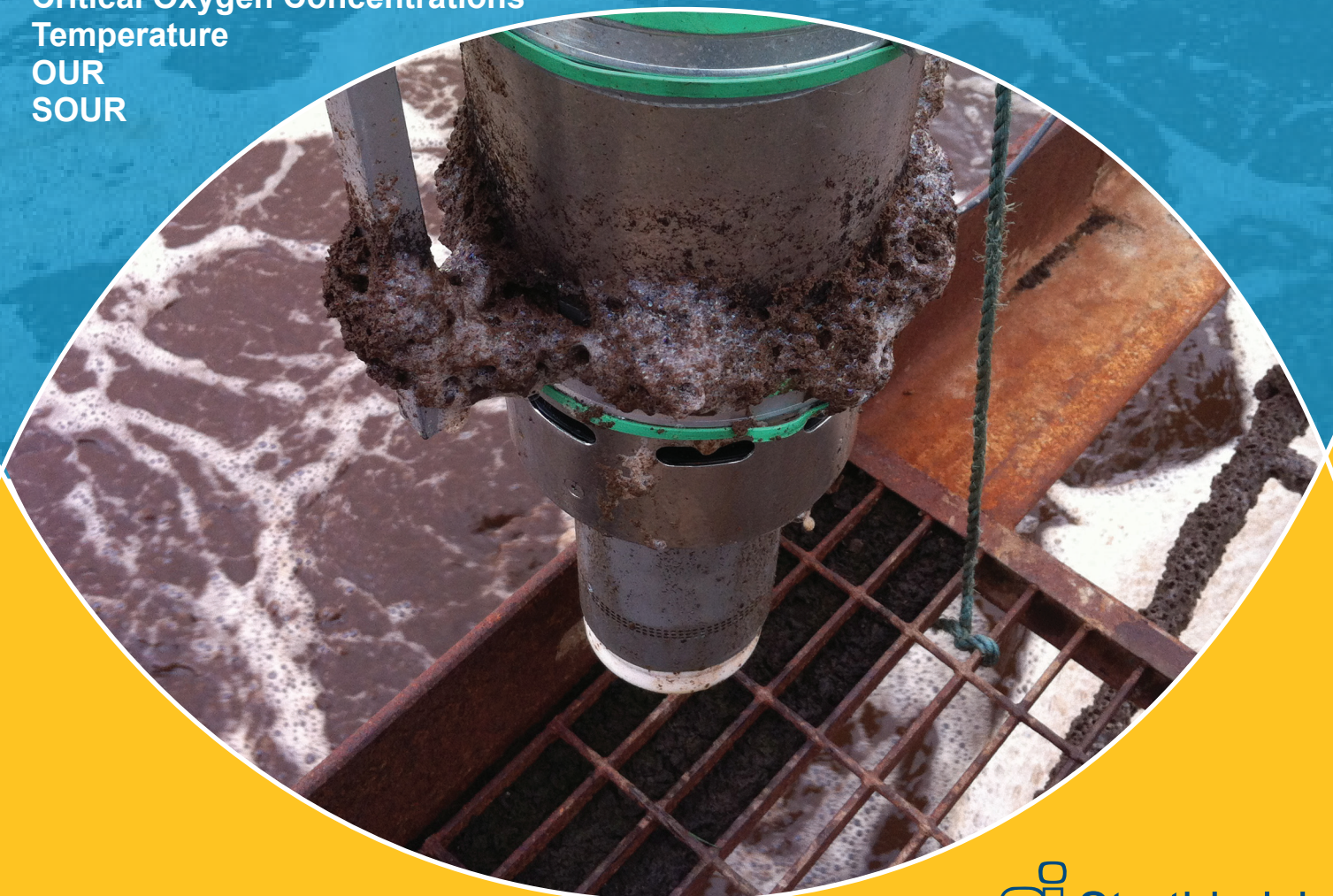
On-line Real-time
Toxicity Monitoring

Online Energy and
Treatment Optimisation

LOW MAINTENANCE:
Self-cleaning, Self-calibrating,
Rag-handling, Robust

DIRECT MEASUREMENTS:
Dissolved Oxygen MLSS
Ammonia SVI/SSVI
pH RAS
Potassium TSS (predicted)
Critical Oxygen Concentrations
Temperature
OUR
SOUR

DERIVED MEASUREMENTS:
F:M Ratio (predicted)
Plant Loading (predicted)
Effluent Loading (predicted)
Sludge Nitrifying Health



si Strathkelvin
Instruments

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ASP-CON: is a self cleaning, self-calibrating instrument that interfaces into your plant's control system.

It provides continuous data on dissolved oxygen levels, bacterial activity based on respiration rates, suspended solids, sludge settlement, pH and Ammonia concentrations, inhibitory conditions and the minimum DO concentration that your bacteria requires for optimal operation.

Using these parameters it is possible to dynamically control your plan to achieve the optimum performance at the lowest cost.

Interfacing:

RS485 serial output with MODBUS RTU protocol
4-20mA output programmed for DO concentration

DIRECT MEASUREMENTS:

Dissolved Oxygen	MLSS
Ammonia	SVI/SSVI
pH	RAS
Potassium	TSS (predicted)
Critical Oxygen Concentrations	
Temperature	
OUR	
SOUR	

DERIVED MEASUREMENTS:

F:M Ratio (predicted)
Plant Loading (predicted)
Effluent Loading (predicted)
Sludge Nitrifying Health

Sample chamber with perspex cover to show internal aeration mixing and sensor pucks



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