

TESTLOOP



TEST FACILITY FOR THE OIL & GAS AND PROCESS INDUSTRY

Sponsors

The testloop was put together with the support of:



Emerson Process Management



Parker Hannifin / Twin Filter



JM Canty

Objective

The Brilliant Water Test Facility bridges the gap between lab studies and offshore operational success. Our offering includes the full development cycle from a concept or prototype to a proven process designed to offshore standards.



Independent Test Facility Botlek

An independent test facility to develop and study liquid treatment technologies for the Oil and Gas Exploration and Production as well as Process Industry.

Tool to speed up your innovation agenda

Operators, technology owners and OEM's will find the facility a useful tool to speed up their innovation agenda without disrupting operations. The TestLoop staff combines mechanical, chemical and industry knowledge with dedication to water treatment technology to support your innovation process. You can expect intimate knowledge and cooperation in all aspects of the value chain that are required to bring a concept to a field proven process.

The facility operates according to industry standard HSE and security policies. The facility capabilities include:

Data Logging

Full electronic data logging of all process parameters through Emerson's Delta V technology.

Automation

Fully automated process control of relevant process



On Site Facilities

The onsite facilities at our disposal include :

- ✓ 24/7 operation
- ✓ An 8000 m³ on site waste water treatment plant
- ✓ Bulk storage and handling capabilities
- ✓ Truck access to Test Loop (and weighbridge)
- ✓ High Pressure Steam
- ✓ 2 x 32 Amp/400 V 4 x 16 Amp/400V
- ✓ Compressed Work Air, 8 bar
- ✓ Standardized procedures for HAZOP, Job Safety Assessments, Working Permits
- ✓ On site fire brigade and sprinkler installation
- ✓ Test Equipment and Tanks all located in a bunded area to avoid spills
- ✓ Analytical support lab

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parameters (dP, T, flow, levels) through Emerson wireless instrumentation technology including an in-line Canty droplet and particle size distribution analysis.

Reproducibility

Manufacture of synthetic fluids controlled for:

- ✓ pH
- ✓ Salinity
- ✓ Temperature
- ✓ Differential pressure
- ✓ Oil particle size distribution and contaminants
- ✓ Process simulation with flowrates up to 5 m³ / hr and the possibility to test continuously for more days



Reporting

The end product mostly will be a test report including all the digital data collected during the test runs.

About Brilliant Water

The Brilliant Water staff combines mechanical, chemical and industry knowledge with dedication to water treatment technology to support your innovation process.

Our staff can handle or assist with skid design, manufacturing, offshore installation as well as offshore application support.

We look forward to making your water treatment innovations a commercial success.

