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ValvesSensorsSystems

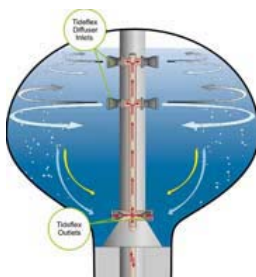
Happy New Year! We hope you had a wonderful holiday season. MeasurIT Technologies Ltd. are pleased to introduce you to our January 2010 technical product update.

Yours sincerely,
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Improved Water Quality by Complete Mixing

The [Tideflex Mixing System \(TMS\)](#) has been installed in over 1,000 tanks and reservoirs as small as 7 m³ to over 75,000 m³ and has been proven to improve storage tank water quality.

A survey of consulting engineers and water utilities revealed the primary reasons for the extensive utilization and approval of the TMS are its **passive** and **proven** with unparalleled **engineering support**.



passive -> Very few water utilities are interested in installing mechanical equipment in storage tanks due to maintenance and inspection requirements. The TMS uses the energy of the fill and draw cycles to eliminate short-circuiting and achieve complete mixing, passively, without the need for an outside energy source.

proven -> The TMS has been validated to improve water quality by owner-conducted field sampling and monitoring of parameters such as temperature, residual, pH, DO, nitrites, nitrates, and HPC.

engineering support -> For every tank, Tideflex engineers select the optimum TMS configuration (based on CFD and Scale modeling), and run Manifold Hydraulics Mixing Analysis Models. The Mixing Analysis shows the owner exactly how much tank turnover is required to achieve complete mixing.

The TMS manufacturer partnered with the Georgia Institute of Technology on a research project entitled "Physical Modeling of Mixing in Water Storage Tanks". The research consisted of physical scale model experiments. [read more](#) >

Case Study: Petrol station supervision

The petrol station in Rosny-sur-Seine, France had experienced a pollution of the ground water.

Elf displayed important means to take care of the pollution in emergency in order to prevent a contamination of the boring wells.

For the Elf Antar network, it was a test to qualify the [OilSpy](#) technology in gas stations.

OilSpy detects floating hydrocarbons using a patented polymer membrane. The membrane dissolves in the presence of a pollutant and triggers an alarm which can be transmitted by cable, radio or phone link.. [read whole case study](#) >

See also: [OilSpy oil spill detectors](#)

Contact us!

measurIT technologies

Duckbill Check Valves

Tideflex Technologies was the original inventor and manufacturer of duckbill style check valve.

The bill design is formed in a curve that returns to a closed position every time, achieving the tightest possible seal for **backflow applications**, particularly at low flow rates - **Tideflex Check Valves**:

- [performance benefits](#) >
- [product description](#) >



Water Control Valves

Craig Ewanchuk, Golf Course Irrigation Consultant,
Turfplan Designs, Canada:

"I've specified Singer valves since 1989.
Their performance and reliability are unmatched"
[read more](#) >



Dehumidifiers

Amcor D850e and D950e Dehumidifiers are **ideal for professional and commercial applications** as well as for use in larger **residential applications**.

An **elegant, slim line design** converts our powerful dehumidifiers into units that would **blend with any decor**. [read more](#) >



Focus On..