

**ENGINEERED  
FUNCTION AND PERFORMANCE**



**FLEX-PRO<sup>™</sup>**  
Peristaltic Metering Pump

- Three Models Available with Feed Rates Ranging from 0.1 GPH/0.3 LPH to 158 GPH/600 LPH.
- Smooth, Quiet and Efficient Pumping Action.
- Brushless Variable Speed Motor.
- Terminal Blocks in Junction Box for Remote Connections.
- Patented Tube Failure Detection, Patented Safety Switch, Patented Method for Extended Tube Life.
- One or Two Pump, Engineered Skid System is Available.

**SONIC-PRO<sup>™</sup>**  
Ultrasonic Flowmeter

- Works with clean or dirty fluids.
- Non-Invasive Clamp-on Transducers.
- NEW Small Pipe Capacity to 0.5". Large Pipe Capacity to 100".
- "Smart" External Communications.
- Selectable Doppler or Transit Time.

**New T-Track Mounting System**

- Fast and Easy Sensor Install.
- Nema 4X Quick Disconnects.

**Blue-White**

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During the inauguration ceremony

the largest environmental regeneration project of its kind in the GCC, and just the first phase of the Bahrain Government's long term master plan for the Tubli WPCC. In his speech during the ceremony, *Daniel Khag*, founder and CEO of Bluewater Bio, said: "Bluewater Bio is delighted to have been selected by the Bahraini government for the 8 million Dinar Tubli wastewater treatment plant upgrade. This is a prestigious project, on a global scale, which will make a major contribution to the regional environment and ecology. We are proud to help future proof the country's social and economic growth." The USD20 million HYBACS upgrade, implemented by BwB to help alleviate overloading at the original Tubli works, is demonstrating exceptional operational performance; producing test results that consistently meet the highest local and international treatment standards.

The project was implemented in two stages to meet the Client's continuous treatment requirements. The first stage, completed in June 2013, saw the Company's SMART<sup>™</sup> units, which power the HYBACS process, treat 50,000m<sup>3</sup>/day of wastewater. Following completion of stage 2, the HYBACS plant is now treating 100,000 of the approximately 350,000m<sup>3</sup>/day incoming flow to Tubli Treatment Plant. Combined, these two stages involved converting two of Tubli's ten existing aeration lanes and four of its twelve clarifiers to the HYBACS process, with 42 SMART units positioned upstream of the existing two aeration lanes. The 100,000m<sup>3</sup>/day excess flow was diverted from the existing preliminary treatment works to the HYBACS plant, increasing the loading by an additional 150% compared with the original design loading. ■

## BwB's HYBACS Upgrade Inauguration in Bahrain

Bluewater Bio International officially launched its HYBACS<sup>®</sup> wastewater treatment upgrade at the Tubli Water Pollution Control Centre ("WPCC") in the Kingdom of Bahrain. The launch ceremony was held under the patronage of *Essam Bin Abdulla Khakaf*, who was joined by many other esteemed guests, including *Iain Lindsay OBE*, Ambassador to the Kingdom of Bahrain. Serving a population equivalent to 800,000, this plant inauguration marks the official completion of