

ENERGY IN WATER ELEVATOR PITCH CANDIDATES

EnW launched in January a Elevator Pitch contest for SME to showcase solutions that tackle simultaneously water and energy challenges. A summary of the candidatures follows:

SME	Solution	
SOLABLE www.solable.fr	<i>LaDouche</i> is a compact tankless water heater with instant heat feature. This IoT device permits to save about 80-90% of the energy bill relative to shower (about 50% of EU residential mix) and 10-20% of the water quantity, due to instant heat feature. <i>Nebia</i> solution will increase its energy performance (1500w from the socket for a comfortable shower, instead of 15-20kw today) and about 75% water reduction (2.5 l/min instead of 8 l/min) .	
APA Water Technologies www.apawatertechnologies.com	APA Water provides a new and revolutionary solution in water disinfection employing ozone microbubbles without the need of using chemicals in the process, that can be used for swimming pools but also for water reuse, drinking water purification, waste treatment among other applications.	
BALAMIS www.balamis.com	Balamis is a company that develops L-band microwave radiometers such as ARIEL IS, a microwave radiometer that provides soil moisture by remote sensing adaptable through aircraft, drones or ground vehicles Used for flood management, levee inspection, drought monitoring, sector irrigation projects, illegal irrigation, seeding support or pest management, allowing water and energy savings for irrigation.	

SME	Solution
<p>Green Waste to Energy www.greene.es</p>	<p>GREENE provides energetic valorization of sludge from urban sewage treatment plants (EDAR), by means of a gasification process for the removal of sludge and obtaining electric and thermal energy. This solution solves several problems:</p> <ol style="list-style-type: none"> 1. Sludge removal 2. Lower consumption of fossil fuels used during the drying process 3. Lower the electricity consumption of the grid for the operation of the plant 4. Environmental improvements
<p>COGNIT nrg www.cognit.es</p>	<p>Real Water Value Analysis is an analytical tool by COGNIT that measures and evaluates the industrial processes by its water use, allowing to identify which water uses have more cost embedded (including energy costs) and thus developing an action plan for efficiency based on financial water strategy: changing water quality requirements, adopting water-energy solutions, modifying water treatments, recovering water, etc.</p>
<p>GEEZAR www.geezar.es</p>	<p>Pitwatcher is a stand-alone monitoring system for real time access to water conditions. We use GEEZAR technology for providing an advanced system where our customers are able to check their networks and facilities water conditions, including sms/email alarms for undesired events.</p>



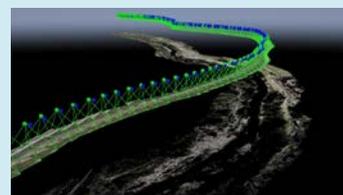
SME

Solution

IDEYA

www.ideyared.es

IDEYA have developed a solution for detection and evaluation of wastewater stream in surface water masses using RPAS (Remotely piloted aircraft systems). The objective of the solution is to evaluate the impact of wastewater discharge over the river through temperature and colour evaluation, combining RGB camera with georeference and thermal camera for temperature in a RPAS.



INGEOBRAS

www.ingeobras.com

INGEOBRAS has patented a wastewater treatment technology based in anaerobic multiphase reactor for eliminate high concentration of organic material in waste flows from food industry. This technology is combined with complementary biological methods to eliminate inorganic pollutants in water such as nitrate or sulfates. Our solution saves 30-60% in electrical energy and high reduction in chemical inputs.

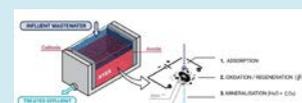


ARVIA

technology
www.arviatechnology.com

Arvia's water proposition offers cost effective treatment of trace problematic, toxic or hazardous organics in water and waste water streams. It achieves this with its patented innovative technology, the Organics Destruction Cell (ODC) that combines adsorption with advanced oxidation in a single, scalable unit. The system provides the following benefits:

- No toxic by-products and no sludge
- Energy used is proportional to the organics destroyed. The lower the concentration of organics the more cost-effective!
- Chemical free and environmentally sound
- Modular and scalable design
- Safe to operate system and low maintenance



The nominees for presenting its solution in SMAGUA 2017 are: **SOLABLE, BALAMIS, Green Waste to Energy, COGNIT, IDEYA and Arvia technology**. Do not miss the Contest at SMAGUA 2017/03/09!!!