

ATER NEWS

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agreement for Kurita's acquisition of ICL's Performance Products segment's ('ICLPP') APW business units based in Ludwigshafen and Dusseldorf, Germany, as well as at additional ICLPP venues in Europe and China. The transaction will be for consideration of approximately Euro 250 million. The closing of the transaction is expected to occur at the end of 2014, subject to the completion of certain conditions precedent, including receipt of approvals by authorities, as well as the agreement of a minimum number of APW employees to become employees of Kurita. The APW business units produce active ingredients, formulations and customized water treatment solutions for use by industries and municipalities. The agreement includes Kurita's purchase of ICLPP's chemical additives business for the paper industry and related aluminium compounds produced by ICLPP at its facilities located in Ludwigshafen and Dusseldorf, Germany, as well as at additional ICLPP venues in Europe and China.

AGREEMENT

FieldComm and Profibus&Profinet cooperate on future FDI developments

Bad Neuenahr, Germany: FieldComm Group and Profibus&Profinet International have agreed on future home for FDI technology. They will jointly provide FDI Technology to the market and secure the future development and maintenance of FDI. FieldComm Group is to be the new home of FDI technology starting in close cooperation with PI International with the distribution of FDI tools for FF, HART, Profibus and Profinet protocols in the first quarter of 2015. In mid 2015, the FDI Cooperation, LLC will be dissolved and FDI Technology be continued in FieldComm Group. End users as well as automation vendors will benefit from the Group being the single source for FDI technology and ensuring consistency and harmonization across the various communication protocols also in future. Three main areas of cooperation have been identified and will be pursued: Both parties will ensure that the market is well served with FDI technology and the tools and components for FDI including functions and features for Foundation Fieldbus, HART, Profibus and Profinet protocols, Profibus&Profinet International and FieldComm Group will jointly maintain and further develop the FDI Technology including the Electronic Device Description Language (EDDL), and both organizations will continue to use their existing structure of technical support and conformance testing around the world to help their members with the implementation of FDI Technology.

AWARDS

SPML Infra receives Dun & Bradstreet (D&B) Infra awards 2014



New Delhi, India: SPML Infra has won the Dun & Bradstreet (D&B) Infra Awards 2014, for its project Pokhran Water Supply which was selected as the best project under the category namely Project Awards for Water Supply & Sanitation. The award ceremony was held in Mumbai recently. Dun & Bradstreet, established in 1981 and listed on the New York Stock Exchange, is the provider of business information, knowledge, and insight. The award

was presented to SPML for 'Water Supply & Sanitation' category for executing an important water supply project in Rajasthan to provide drinking water to more than 1.2 million people of 580 villages (177 in

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Droplets Snippets

A new study by MIT researchers shows that electro dialysis desalination technology, powered by solar panels, can meet the water treatment needs of a typical village. The study notes that conventional desalination processes are not viable for major sections of India.

Scientists in China are experimenting with how zebrafish can be used to test water quality. It is a fish with a genetic code similar to humans. It is fish that is native to River Ganges in eastern India. More than 90% of its genetic code is identical to humans. Zebrafish have already been used to test new drugs.

Croft Filters has provided marine services company, Briggs Marine, with filters for its Woolwich ferries. UK-based Croft was approached by Briggs Marine to design and manufacture bespoke filtration that would prevent impurities from river water, used to cool engines, entering the ship's mechanics.

Mahle has completed the third major expansion of its research & development facility in Shanghai, China. A Bosch Mahle Turbo Systems production plant, an industrial filtration plant, and a production line for manufacturing tools for the Filtration and Engine Peripherals business unit will open on the Shanghai campus.

RWL Water will supply a water treatment plant for FGD project that South Korea's STX Heavy Industries is undertaking at ENDESA CELTA power plant in Tarapaca, Chile. The new plant will provide 2400 cubic metres per day of desalinated process water.

Vogel Software has extended its Spaix 4 product family by a compact version for pump selection and performance curve optimization. Spaix 4 Quick&Easy is suitable for small and medium-sized companies who are focusing on performance curve management and pump selection while only having a limited budget available.

Pure Technologies Ltd has entered into a partnership with WRc plc, South West England, to offer water pipeline asset management solutions to the water sector within the United Kingdom and Ireland. WRc is a centre for innovation providing consultancy in the water, environment, waste and resources, and gas sectors.

SPML

Jaisalmer and 403 in Barmer districts) and 3 towns - Pokhran, Balotra, and Siwana and also to cater the bulk water demands of Defence forces and Industries in Pokhran, India's nuclear test site. SPML has designed and constructed the infrastructure to meet drinking water demands projected up to the year 2023 except for the raw water carrier between project outlet and water treatment plant, pump house, civil structure, and raw water reservoirs as per the projected demands till the year 2038. Raw water is proposed to be drawn from Indira Gandhi Munak Canal (IGMC) through project outlet. Besides necessary arrangement for its treatment, storage capacity of raw water is also constructed to meet the drinking water demand in the course of 30 days of canal closure in continuous stretch every year. The project consist of 3 water treatment plants of 125.3 MLD combined capacity, 3 Clear water reservoirs of 10,850 KL capacity, 2 raw water reservoirs of 300 million litres, 16 pumping stations, 397 kilometers water pipeline, 2 master control centre, grid sub-stations, SCADA system, and allied civil works with O&M for 10 years after the commissioning.

GWE Raptor waste-to-energy technology wins IChemE Energy award

UK: Global Water Engineering (GWE) has won chemical engineering award for its process by which it transforms food processing sludge waste from an environmental problem into profitable green energy. The IChemE Energy Award - sponsored by PM Group - recognizes the best project or process to demonstrate innovation in renewable energy, alternative energy sources, efficient energy use or the development of energy production methods that reduce energy and water intensity. GWE's entry involved Chok Chai Starch in Thailand, where a GWE Raptor system is used to convert wet pulp waste product from the processing of cassava roots into biogas (methane) green energy, at their tapioca starch plant in Uthai Thani. Anaerobic biogas production has potential wherever industry is dealing with a biological waste stream such as those produced by industries including food and beverage, dairy, beef, livestock, agribusiness and primary product processing. The Raptor system greatly reduces an environmental pollution issue by processing and converting to useful green energy the leftover fresh pulp, which starts to ferment once stored. The rotting organic material can generate considerable odor and release heavily polluted wastewater leaching out of mountainous pulp piles.

American Water Works' Fort Meade project team receives Federal Energy Award

Voorhees, USA: American Water Works Company, Inc.'s Fort Meade Army Installation, Md. has been recently selected as the only Army installation to receive the prestigious Federal Energy and Water Management Award for making a significant contribution to energy and water efficiency within the federal government. American Water's Military Services Group operates the water filtration plant at Fort Meade and participated in the project that was recognized. The Directorate of Public Works was recognized for its participation in a regional grid manager's synchronous reserve program. Participation in the program required the installation to have the ability to cut inductive electricity demand by at least 100 kilowatts within 10 minutes of a request from the grid operator and continue a demand-reduction event that could last up to 30 minutes. In addition, the installation must be able to report electricity demand in one-minute increments before, during and after the event in order to demonstrate and record the load reduction. The project required Fort Meade, along with its

partners American Water Military Services and Sain Engineering, to work in cooperation with Viridity Energy of Philadelphia to respond to an electric grid's frequent fluctuations using Fort Meade's water filtration plant. The project was the first water plant in the Pennsylvania, New Jersey and Maryland electric region to systematically cycle large water pumps on and off in response to the electric grid's frequency fluctuations.

Shakti Pumps bags export award for 'Special Contribution' from EEPC



Ahmedabad, India: Shakti Pumps (I) Ltd, manufacturer of pumpsets, has been awarded for 'Special Contribution' by EEPC for the year 2012 -13. The company won the award under the category - highest exporter in thrust markets for thrust products - large enterprise. The award was handed over by Gujarat Chief Minister Anandiben Patel to the company Chairman and Managing Director, Mr Dinesh Patidar in Ahmedabad, Gujarat. The award consisting of a silver plaque has been given for the category submersible pumpsets, submersible pumps, solar submersible pumps set, open well pumps, pressure boosting pumps, self priming pumps, mono block pumps, vertical multistage centrifugal pumps and submersible motors. It is also a recognition for exports to USA, Germany, UAE, Saudi Arabia, UK, Italy, Qatar, Brazil, Spain, Thailand, Bahamas, Kenya, Singapore, China, France, Oman, Canada, Korea, Nigeria, Mexico, Pakistan, Colombia, Hungary, Belarus, and Slovakia.

CERTIFICATION

American Sensor Technologies achieves ATEX certification for pressure transmitters

New Jersey, USA: American Sensor Technologies, Inc. (AST) has achieved ATEX certification of its explosion proof pressure transmitters for Class I Zone 0 Exd hazardous locations. The added approvals enhance the ability for equipment manufacturers to specify AST pressure transducers as the sensors can now operate in both North America and Europe. The transducers are commonly used in upstream and offshore applications. The Exd certification applies to the AST explosion proof pressure sensor series that includes AST4600 explosion proof pressure sensor, AST46HA explosion proof pressure transmitter, AST46PT high accuracy explosion proof pressure/ temperature transmitter, and AST46SW explosion proof pressure switch. The non-sparking or non-incendive pressure