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Middle East FOOD

مأكولات الشرق الأوسط

January 2015 / Vol. XXXI Issue 1

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Za'abeel Hall
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Apateq Introduces New Solution

Apateq – PWT S.A. designs oil-water separation systems for oilfield operators, compact wastewater treatment plants for demanding applications and pre-treatment systems for industrial wastewater. With decades of experience in water and wastewater treatment and global industrial product manufacturing and commercialization, Apateq's corporate and technical team is comprised of dedicated experts whose focused goal is environmental protection, water conservation and client satisfaction. End of 2014, the company has delivered a complete process water treatment system to a specialist agricultural cooperative in South Tyrol, Italy. The plant is used to treat water that is required in large volumes in the washing, sorting and packing process of fruits. To achieve purest clean water, the company applies a technology that is new and disruptive for this industrial process. Contrary to all other solutions available on the market, the company uses membrane technology to consistently remove all



The company uses Membrane technology

germs and other contaminations from the water. Their proprietary solution is based on a combination of different filtration technologies that allow the use of membranes. By using these ultra-filtration and reverse osmosis membranes, the process water can be efficiently treated for re-use without clogging of the membranes. Furthermore, the proprietary treatment process

enables the use of membranes with long intervals between their deep cleansing or replacement, rendering the process to be very cost efficient for the customer. By implementing the new system, the agricultural cooperative reduces its fresh water consumption from currently 100 m³/h to less than 15 m³/h, saving on both, fresh water expenses and wastewater disposal costs. ■

Advanced UV Technology Manufacturer: Doing Good

BIO-UV, an innovative industrial SME, is a specialized French manufacturer of ultraviolet light water treatment equipment and a European specialist in the private and collective swimming pool and spa market. Established in May 2000, the company is made up of 48 employees

at the present time in France, in addition to its subsidiary with 15 people in the USA (**Delta UV** in California). The group designs, manufactures and markets systems and concepts of disinfection by ultraviolet light (UV-C) adapted to a large number of applications such as domestic

and urban water purification; production of drinking water in isolated areas using photovoltaic energy; treatment of waste water which is reused or not as the case may be; and disinfection of water from industrial processes and ultra-pure water. With a consolidated turnover of more than USD10.8 million in 2013, the company markets its systems throughout the world as 60 percent of the group's sales are made in export markets. Since its creation, the company has equipped more than 1,100 drinking water and waste water treatment systems; 5,000 fish ponds; and 150 public aquariums. BIO-UV has developed sanitizers using the most advanced UV technologies for tertiary treatment by disinfecting municipal or industrial waste water. In addition, the company proposes a low pressure technology and various types of reactors in order to adapt to the aims of the treatment and to the installation and maintenance constraints. ■



Safe drinking water production at Agadir station, Morocco