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Water

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A photograph of industrial water treatment equipment in a factory setting. The equipment consists of several large, white, cylindrical filtration units mounted on a metal frame. The background shows a large industrial building with a high ceiling and various pipes and structures.

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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, the company'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



APATEQ's technology to remove contaminations from the water

technology to consistently remove all 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. ■



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