

## TOTAL Mitteldeutschland Refinery presents a case study on wastewater reuse at Aquatech Amsterdam

**Berlin, Germany - October 16<sup>th</sup> 2017** – [akvOLA Technologies GmbH](#), a water technology company providing solutions for the removal of oils and suspended solids from hard-to-treat industrial wastewater, will exhibit at Aquatech Amsterdam 2017 (**Booth 07.549A** – October 31<sup>st</sup> to November 3<sup>rd</sup>).

„After the success of exhibiting at the BlueTech Innovation Pavilion in 2015, which led to the collaboration with Total E&P and Acciona Agua among others, we couldn't miss this year's event," said Lucas León, CFO of the company. "We are also thrilled that Susanne Glaser, Senior Process Engineer at TOTAL Mitteldeutschland refinery, will present the results of the refinery wastewater reuse project we are working on at the event." (Details below)

Matan Beery, CEO of akvOLA Technologies, added, "Due to the disruptiveness of the akvoFloat™ technology our booth has been placed at the *Innovation Avenue* by the organizers. It is an honor to be there at the of the world's leading trade exhibition for industrial process and wastewater". Mr. Beery also highlighted the importance of the trade show to acquire the talent that akvOLA Technologies needs in the current high-growth phase.



**TOTAL**  
Raffinerie  
Mitteldeutschland GmbH

### Interested in refinery wastewater reuse? Don't miss the presentation!

**Speaker:** Susanne Glaser

*Industrial User Experience* session @ Aquatech Amsterdam 2017  
October 31<sup>st</sup> at 11:00h – Booth 07.272

**Abstract:**

Total Raffinerie Mitteldeutschland wants to decrease its water consumption in order to further improve their environmental footprint. In order to achieve this, it is necessary to implement a treatment train that can treat the effluent of the wastewater treatment plant for reuse as boiler feed.

As Total could experience first hand, polymeric membrane-based MBRs cannot always cope with the high fouling potential of complex and highly varying refinery wastewater, rendering them technically or economically infeasible. For this reason a 4-month field trial was conducted with akvoFloat™ – a flotation-filtration technology based on novel ceramic membranes– which was designed to treat extremely challenging industrial wastewater. The results showed in this presentation demonstrate that the target water quality could be met reliably and the permeability of the membranes could be fully recovered at all times, making the operation of akvoFloat™ stable and cost-effective.

**About akvoFloat™:**

akvoFloat™ is a separation technology based on a proprietary flotation-filtration process. The process leverages the [akvOLA MicroBubble Generator™](#), novel flat sheet ceramic membranes and proprietary membrane cleaning strategies in order to offer the most reliable and energy-efficient design on the market for the total oil and suspended solids removal in hard-to-treat waters.

**About akvOLA Technologies:**

[akvOLA Technologies GmbH](#) is a water technology company that provides cost-effective and environmentally-friendly solutions based on [akvoFloat™](#) – a proprietary flotation-filtration process based on novel ceramic membranes. The technology was designed to clean hard-to-treat industrial wastewater containing high concentrations of oil (free, dispersed and emulsified) and suspended solids. These solutions have been implemented in six major water-using industries: Oil and gas, Refining and petrochemicals, Metalworking, Steel, Food and beverage as well as Pulp and paper.

In a world of increasingly stringent environmental regulations and increasing wastewater discharge and disposal costs, our goal is to enable industrial sites to minimize their water footprint while meeting their environmental requirements reliably – all with a positive ROI. akvoFloat™ was designed to accomplish this goal.

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