

## Member News

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# APATEQ: ONE-STOP SOLUTION FOR TREATING DIFFERENT STREAMS OF WASTEWATER

- **Clean-tech innovator APATEQ has been assigned with a multi-million Euro contract for the construction of an industrial size plant for different streams of water and wastewater treatment by a local municipality on the second largest island in Sweden, prevailing against established global market leaders.**
- **The produced effluent meets drinking water levels according to the most stringent Swedish and international norms as it is intended to supplement the local needs of drinking water.**
- **APATEQ's stationary plant uses innovative technologies that enable to treat different streams of water with one single installation.**
- **The plant will be delivered by the end of 2018.**

APATEQ, with headquarters in Luxembourg, engineers and manufactures high-efficiency water and wastewater treatment systems based on unique and innovative process technologies. The company received a multi-million Euro order for an industrial size plant from Mörbylånga kommun, one of the two local municipalities on Sweden's second largest island Öland, to treat different streams of water and wastewater up to a quality that meets drinking water levels. Thus, APATEQ excelled above all competitors in the tender process, including established world market leaders in the sector.

The stationary plant treats brackish water, well water as well as pre-treated industrial wastewater within one single installation. This multi-functionality is possible due to a combination of technologies that APATEQ developed over the years, including a dedicated software, which enables the plant to selfadapt to the different water qualities. The installation, for which a purpose made building will be constructed, consists of a primary treatment followed by an ultrafiltration and a reverse osmosis. The system is designed to handle a flow-through capacity from 600 to 4,000 cubic meters per day, depending on the seasonal demand. In an additional step, its effluent will be disinfected and remineralised up to drinking water levels, according to the Swedish and international regulations.

To improve on the actual conditions where water has been trucked from the continent to the island, the implementation of APATEQ's plant represents a break-through into the municipality's future supply of drinking water. Mörbylånga will become independent in terms of water supply and avoid any risks of water shortages. Besides, environmental pollution and disturbances



caused from water transporting truck traffic will be eliminated.

“Geographically located on an island, our municipality is facing a limited availability of fresh ground water. With the prevailing conditions, population growth or any extension of water consuming industry represents a challenge in terms of water supply”, said Peter Asteberg, Project Manager for the municipality of Mörbylånga. “We are convinced that APATEQ’s system is the right choice to pursue our future urban development.”

“Our installation is perfectly suited for the present conditions on-site. We offer compact, complete solutions for wastewater treatment and drinking water production that can be quickly commissioned at remote locations and easily operated and monitored by touch panel and remote control”, said APATEQ Chief Technology Officer Ulrich Bäuerle. “By means of our proprietary process technology for membrane filtration, preventing fast clogging and fouling, long intervals in between the effortless cleaning processes are possible.”

The plant for the community of Mörbylånga is scheduled to be delivered in November 2018.

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