

## **Singapore company DE.MEM Pte Ltd to build water treatment facilities in Vietnam**

*Letters of Intent signed at Singapore International Water Week will see projects producing up to 60,000m<sup>3</sup> of water a day built in the Hanoi and Hau Giang Provinces.*

Singapore-based De.Mem Pte Ltd today signed Letters of Intent (LOI) with the Hanoi Water Works Company and Hau Giang Water Supply And Sewerage - Projects Urban JS Company to build water treatment facilities valued at USD\$15 million in the Dong Anh and Hau Giang districts in Vietnam.

Hanoi Water Works Company Chief Project Manager, Mr. Trần Quốc Bình, and Hau Giang Water Supply And Sewerage General Director, Mr. Dương Văn Thọ, signed the LOIs with Dr. Adrian Yeo, General Manager of De.Mem, at the Singapore International Water Week. The ceremony was witnessed by Mr Chew Men Leong, Executive Director, Environment and Water Industry Programme Office (EWI).

The plants will each produce 30,000m<sup>3</sup> of water a day. The Hanoi Water Works Company plant in the Dong Anh district will treat groundwater, while the Hau Giang plant will treat water from the river to be supplied to the districts.

Dr Adrian Yeo, CEO of De.Mem, who will be designing, building, and operating the plants, said, “These plants are decentralised water treatment plants which supply clean water to nearby communities and industries at a low cost as lesser energy is needed to distribute the water over short distances, as compared to those of a centralised water distribution network.”

“We install advanced water quality and instrumentation systems that have been developed by our sister company MINT (Membrane Instruments & Technology) to monitor clusters of plants located in remote areas in real-time. The remote monitoring can potentially take place either through a centralized control facility or at the location desired by the customer, enabling optimization of energy usage and maintenance for each individual plant from a central location.”

In addition, the core filtration technology that will be used in these plants are ceramic membranes developed and manufactured by a Singaporean company, Ceraflo Pte Ltd. Ceramic membranes are more robust and have a longer life span as compared to traditional polymeric membrane technologies.

De.Mem had earlier, via its subsidiary, completed a 1,000m<sup>3</sup>/day water production facility in Vietnam that won an International Water Association (IWA) Project Innovation Award.

Dr. Glen Daigger, President of the International Water Association and Senior Vice President and CTO of CH2MHill, said, “I am glad to see the increasing deployment of such water technologies to solve water issues in the region.”

Mr Chew Men Leong, Executive Director, EWI, added, “Singapore water companies have been growing their businesses and operations to capture market share overseas. De.Mem’s inroads into Vietnam is a good example of how EWI’s investments in Singapore’s water industry have spawned a new generation of water companies that are securing significant projects in the region.”

De.Mem Pte Ltd is a Singapore-based company that designs, builds and operates decentralised water treatment facilities throughout South East Asian markets. Established in 2013, the company is supported by Nanyang Technological University

(NTU) in Singapore, as well as the Singapore Membrane Technology Centre (SMTC). It receives investment from New Asia Investments Pte Ltd, a leading technology investment firm based in Singapore. De.Mem is able to deploy an extensive range of high-tech solutions to meet different and challenging water conditions. De.Mem and its sister company, MINT, has been the beneficiary of EWI initiatives such as FAST TECH, TECHPIONEER and SPRING POV, which aim to catalyse technology development from idea conceptualisation to test-bedding and commercialisation.

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