



## ASX RELEASE | De.mem Limited (ASX:DEM)

### De.mem Runs First Commercial Scale Pilot Plants Using Proprietary Nanofiltration Membrane

#### Highlights

- De.mem is running pilot water treatment plants using its proprietary Low Pressure Hollow Fiber Nanofiltration Membrane
- Pilot systems have commercial scale and are for treatment of industrial waste water and potable water generation
- The pilot projects mark the start of the use of the De.mem Nanofiltration membrane in commercial projects

**October 9, 2017: Water and waste water treatment company De.mem (ASX:DEM)** (“De.mem” or “the Company”) is pleased to announce it has completed the set up of several water treatment systems for the deployment of its proprietary low pressure hollow fibre nanofiltration (NF) membrane technology. The water treatment systems are run as part of a “pilot phase” which aims to validate the new technology in various commercial scale on-site projects.

The new NF membrane technology was developed at Nanyang Technological University (NTU), Singapore, and exclusively licensed to De.mem in 2016. It allows for lower operating costs and reduced investment relative to other conventional water treatment technologies.

One of the pilot water treatment systems has been deployed within a water treatment facility in Duc Hoa, a district of the Long An Province near Ho Chi Minh City in Vietnam. This system is filtering river water from a nearby branch of the Mekong River. Two other systems are being deployed in Singapore with industrial customers from various sectors.

The respective size and capacity of the pilot water treatment systems, and the scale of the projects for which the systems are being used, has commercial scale.

The pilot installations enable De.mem to generate detailed data which is necessary to evaluate the performance of the membranes, and to prepare technical specifications and guidance for the use of the membranes in larger projects. This pilot phase comes in advance of a wider commercial launch of the new membrane technology in the coming months.

De.mem recently acquired Queensland-based water and waste water treatment company Akwa-Worx [ASX Announcement: 14 September, 2017] and plans to introduce the innovative NF membrane technology to Akwa-Worx’s clients including a number of leading corporations from the Australian mining and municipal sectors.



**Pictures: Pilot water treatment systems for filtration of water from nearby Mekong River in Duc Hoa, Long An Province, Vietnam**

**Andreas Kroell, CEO of De.mem:** "The set-up of the pilot plants effectively brings our new NF membrane technology into the field. The market need for this technology is strong. We are excited to see this happen only 6 months after the IPO of our company on the ASX."

**Ends**

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**About De.mem Limited**

De.mem Limited (ASX:DEM) is a Singaporean-Australian decentralised water and waste-water treatment business with international operations that designs, builds, owns and operates water and waste water treatment systems for its clients. The company presents its product offering in two segments (i) the industrial segment where De.mem provides systems and solutions to customers from the mining, electronics, chemicals, oil & gas and the food & beverage industries and (ii) the municipal and residential segment. The company has licensed a number of proprietary technologies from its partner in research & development, Singapore's Nanyang Technological University (NTU), including a novel low-pressure hollow fibre nanofiltration membrane. Through its wholly owned subsidiary Akwa-Worx Pty Ltd, De.mem has a strong presence in Australia. To learn more please visit: [www.demembranes.com](http://www.demembranes.com)



### **About Nanyang Technological University**

Nanyang Technological University (NTU) is a noted leader in the development of water technologies. In 2013, independent researcher Lux Research listed NTU as the number 2 water treatment research institution in the world. NTU is ranked 13<sup>th</sup> globally according to the 2016 QS World University Ranking. NTU has colleges of Engineering, Business, Science, Humanities, Arts & Social Sciences and an Interdisciplinary Graduate School. To learn more please visit: [www.ntu.edu.sg](http://www.ntu.edu.sg)

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