



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

NSF 53 CERTIFICATION FORMALLY PUBLISHED – INITIATING COMMERCIAL LAUNCH INTO NORTH AMERICAN DOMESTIC WATER FILTRATION MARKET

9 May 2024: Australian headquartered, international water and waste water treatment company De.mem Ltd (ASX:DEM) (“De.mem” or “the Company”) is delighted to report that the National Sanitation Foundation (“NSF”) has formally published its certification of the Company’s Graphene Oxide enhanced (“GO”) membrane technology under NSF standard 53, enabling full commercialization of De.mem’s domestic water filtration product in North America.

HIGHLIGHTS

- **Company expects over \$1m revenue over two years for potable water treatment applications in the North American and Australian markets only.**
- **Further revenue upside from entering new geographies.**
- **Other global distribution partnerships being actively pursued.**

NSF Product and Certification Listing

On 15 April 2024, the Company previously announced that it had satisfied all requirements for NSF certification of its GO membrane technology.

Demem is pleased to advise that, on 8 May 2024, its GO membrane technology has now been officially listed on the NSF Product and Service Listings page as “*NSF/ANSI 53 Drinking Water Treatment Units - Health Effects*” certified.

The Company is now actively pursuing immediate commercialization opportunities in the North American and global markets.

Significant Financial Upside

The Company reiterates that it conservatively expects over \$1m in new revenues in the North American and Australian domestic potable water solutions market, from its wholesale distribution arrangement with Purafy/Grafoid (Canada), during the initial market introduction phase, as follows:

- Year 1 - \$300k
- Year 2 - \$750k.

Additionally, the Company sees further upside from the following:

- Year 3 revenue growth.
- Rest of world market entry, particularly Asia and Europe. The Asia-Pacific region accounts for the largest share in the overall market for domestic water filters.



- New products released into the North American and other markets.

De.mem is targeting the global market for domestic water filtration, promoting Purafy's domestic water treatment products, which incorporate De.mem GO enhanced membranes.

The global market for domestic water filtration is a large addressable market, growing faster than the overall water treatment industry, with notable features as follows:

- Expected to grow by 10.5% per annum from 2022 to 2030.
- Estimated USD 26.7 billion market by 2030 (source: *Grand View Research, November 2022*).
- Estimated USD 12.1 billion market in 2022 (source: *Grand View Research, November 2022*).

Further information

For further information, see the Company's announcements on the following dates:

- 7 September 2021, ASX release "*De.mem Presents Next Generation Membrane Technology*".
- 7 February 2024, ASX release "*De.mem receives first order for GO Enhanced Filters*"
- 15 April 2024, see ASX release "*De.mem passes NSF Test Procedures for its Graphene Oxide Enhanced Membrane*".

Management Commentary

De.mem Chief Executive Officer Andreas Kroell said:

"We welcome the formal listing of our GO membrane technology by the NSF. The successful conclusion of the process also reflects De.mem's ongoing investment into the research & development of its hollow fibre membrane portfolio.

We look forward to growing our revenues in the large global market for domestic water filtration, initially through our North America distribution partnership with Purafy and subsequently in other global markets".

This release was authorized by the Company's Chief Executive Officer, Mr. Andreas Kroell.

-ENDS-



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De.mem Limited (ASX:DEM) is a decentralised water and wastewater treatment business that designs, builds, owns and operates turnkey water and wastewater treatment systems for some of the world's largest companies in the mining, electronics, chemical, oil & gas, and food & beverage industries. Its systems also provide municipalities, residential developments and hotels/resorts across the Asia Pacific with a reliable supply of clean drinking water.

De.mem's technology to treat water and wastewater is among the most advanced globally. The Company is headquartered in Australia and has international locations in Singapore and Germany. It is commercialising an array of innovative proprietary technologies.

To learn more, please visit: www.demembranes.com

Forward Looking Statements

Statements contained in this release, particularly those regarding possible or assumed future performance, revenue, costs, dividends, production levels or rates, prices or potential growth of De.mem Limited, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors.

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