



Leader Environmental Technologies Limited

利德环保技术有限公司

(Incorporated in the Republic of Singapore on 15 August 2006)

(Company Registration Number: 200611799H)

JOINT VENTURE WITH NANOSUN TO PRODUCE HIGH PERFORMANCE MEMBRANE

The Board of Directors of Leader Environmental Technologies Ltd (“**Leader**” or “**Company**”, and together with its subsidiaries, “**Group**”) wishes to announce that the Company has entered into a joint venture (“**JV**”) agreement with Nanosun Pte Ltd (“**Nanosun**”) to set up high performance membrane manufacturing facilities in Singapore and China. The Company will own 60% of the JV and the remaining 40% will be owned by Nanosun. The total investment is approximately S\$10 million. The facilities are expected to be completed in 12 months and will produce membrane products by the end of 2021.

Nanosun is a Singapore company established in May 2013 by Professor Darren Sun. Professor Sun is an internationally renowned scientist in the fields of nano materials and 3D printing membranes. He has won numerous prestigious international awards and was a Distinguished Shimizu Professor at Stanford University. The world first took notice of his TiO₂ nanofiber research through the October 2006 issue of **Nature**. After the invited and inspirational discussion at George Marshall Conference Room at the State Department, Washington DC, on “How to deploy nano and 3D printing technologies to the market”, Professor Sun took the initiative to form Nanosun. The commercialization of his pioneering research work at NTU has received strong support from NTU and EDB. Nanosun’s nano 3D printing membrane was chosen as a Top 5 technology at the 2019 Global Water Summit Technology Competition held in London.

Riding on the successful launch of its first nano 3D printing flat sheet membrane in 2018, Nanosun has extended its nano material and 3D printing technology to develop a new hybrid filtration membrane that binds inorganic crystalline titanium to high performance polymer-based membranes. This combination takes the advantages of both ceramic and polymeric membrane and produces membrane products with the properties of high strength, low fouling, anti-oxidation and energy saving.

“The JV with Leader provides Nanosun with a solid platform to expand its membrane applications. Leveraging on Leader’s engineering and project execution capabilities, it will be able to provide total solutions in water and wastewater treatment, sludge treatment and other novel membrane separation applications for pharmaceutical, life science, healthcare and chemical industries,” said Professor Sun, Founder and Chairman of Nanosun.

“We are honoured to have the opportunity to work with Professor Sun and Nanosun. Leader is a technology driven company focusing on high-tech environmental solutions, technologies and products and has progressed well in our search of good technology companies. Following the acquisition of sludge treatment technology company, Bituo Environmental Technologies (Tianjin) Co., Ltd, Leader has successfully secured a joint collaboration with Nanosun to develop and manufacture high performance - hybrid membrane reaping the benefits of both ceramic and polymeric membrane. This is the first invention of such hybrid membrane in the world,” said Dr Lin Yucheng, Chairman and Chief Executive Officer of Leader.

The investment in the JV is funded using the proceeds from the Company’s Rights Issue and bank borrowings.

The aforesaid JV is not, in itself, expected to have any material impact on the earnings and net tangible assets per share of the Group for the current financial year ending 31 December 2021.

None of the directors or substantial shareholders of the Company has any interest, direct or indirect, in the above transaction other than through their shareholding (if any) in the Company.

**BY ORDER OF THE BOARD OF DIRECTORS OF
LEADER ENVIRONMENTAL TECHNOLOGIES LIMITED**

Dr Lin Yucheng
Chairman and Chief Executive Officer
18 January 2021

About Nanosun Pte Ltd

Nanosun is a Singapore company established in May 2013 by Professor Darren Sun and his fellow team of PhD from Nanyang University of Technology. Nanosun is primarily engaged in research and development of 3D printing membranes. Darren Sun obtained his PhD degree in Chemical engineering from the University of New South Wales, Australia in 1993. He is the incumbent Chair of the Chemical Industries Specialist Group for more than 10 years and Vice Chair of the Nano Materials for over 9 years at the International Water Association respectively. He is a world authority in research and in fields of membrane separation for desalination and water reclamation, environmental applications and implication of nanomaterials, and engineered hybrid multifunctional membrane for sustainable production of water and energy.

About Leader Environmental Technologies Limited

Leader Environmental Technologies Limited (“Leader” or “Company”) was incorporated on 15 August 2006 and was listed on Main Board of the Singapore Exchange (“SGX”) in July 2010. The Company positions itself as a high-tech oriented company focusing on the following four key businesses:

- A. Sludge treatment – formulate unique customized solution and supply of integrated system for municipal sludge management based on its proprietary technologies, such as integrated continuous thermal hydrolysis and pyrolysis, and innovative sludge pretreatment and efficient energy recovery system to achieve the objectives of zero-waste discharge and resource recovery.
- B. Industrial wastewater treatment – treatment and recycling of industrial wastewater using advanced membrane technologies, namely, Membrane Bio-reactor (“MBR”), Continuous Membrane Filtration (“CMF”) and Reverse Osmosis (“RO”).
- C. High performance membrane products – research, development and manufacturing of high-performance membrane products, mainly for water and wastewater treatment, and other separation applications for pharmaceutical, life science, healthcare and chemical industries.
- D. Greentech investments – investments in companies specializing in high-tech environmental solutions, technologies and products.