NANOSUN

URBAN SOLUTION & SUSTAINABILITY R&I CONGRESS 2026

Tech Business Session

5th February 2026

NanoSun Pte Ltd

Why We're Here

We believe in augmenting water technologies, not replacing it.

With good data, the right technology, and people, we can solve hard problems and **change the world for the better.**

In 2013, a Spin-Off from Nanyang Technological University started our very first product: **3D Printed Flat-Sheet Membrane.**

To address the Filtration Technology most pressing problem – fouling, we developed **3D Printed Technology for Flat-Sheet Membranes for Micro and Ultra-filtration Application.**

WHAT WE ACHIEVED

Help our partners resolve:

Integrated Treatment Systems for Industrial Water Resilience

Robust solutions for continuous water supply and management.

Use Resource (Chemical, Energy and Cost) Sustainably for Water Reuse

Optimizing consumption for eco-efficient water recycling.

FROST & SULLIVAN

2015 BEST PRACTICES AWARD

ASIA PACIFIC TECHNOLOGY INNOVATION AWARD
WATER DESALINATION

Emerging Enterprise Award 2021

INNOVATE RESILIENT SUSTAINABLE

Winners of :

Best Innovation Award 2021

Emerging Enterprise Award 2021

Presented by The Business Times & OCBC Bank

GLOBAL WATER AWARDS 2019 Nominee

Technology

IES 2025 Sustainability Award

THE INSTITUTION OF ENGINEERS · SINGAPORE ·

We build NanoSun around Mission-Driven Engineering

Branch our application into all facet of the IW business.

Nano-Ti Hollow Fiber Membranes:

- Curtain Type and Pressure Vessel
- Super-Hydrophilic Membrane which significantly reduces fouling tendency.
- Reduce fouling tendency up to 25% compared to non-modified Hollow Fibre Membrane
- Increase membrane lifespan

Our Advanced Membrane Technologies

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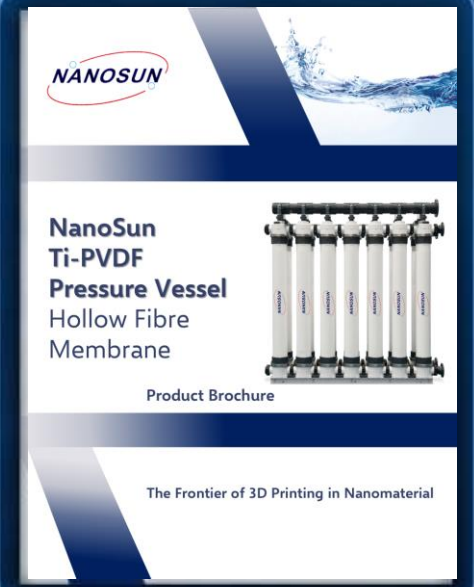
Ti-Hollow Fiber Curtain

NS-MBR Series

High Rejection RO

Ti-Hollow Fiber Pressure Vessel



What we do

- We’re focused on creating the best IW Solutions to manage used water sustainably.

Our People are Engineers on a Mission.

We go where we're needed most:

Nano-additives targeted to reduce chemical across including coagulation, flocculation, anti-fouling, anti-scaling, and microbial control in water and wastewater management.

- Reduce chemical use;
- Improve pollutants removal; and
- Reduce secondary pollution and sludge.

Lab R&D:
Formulation

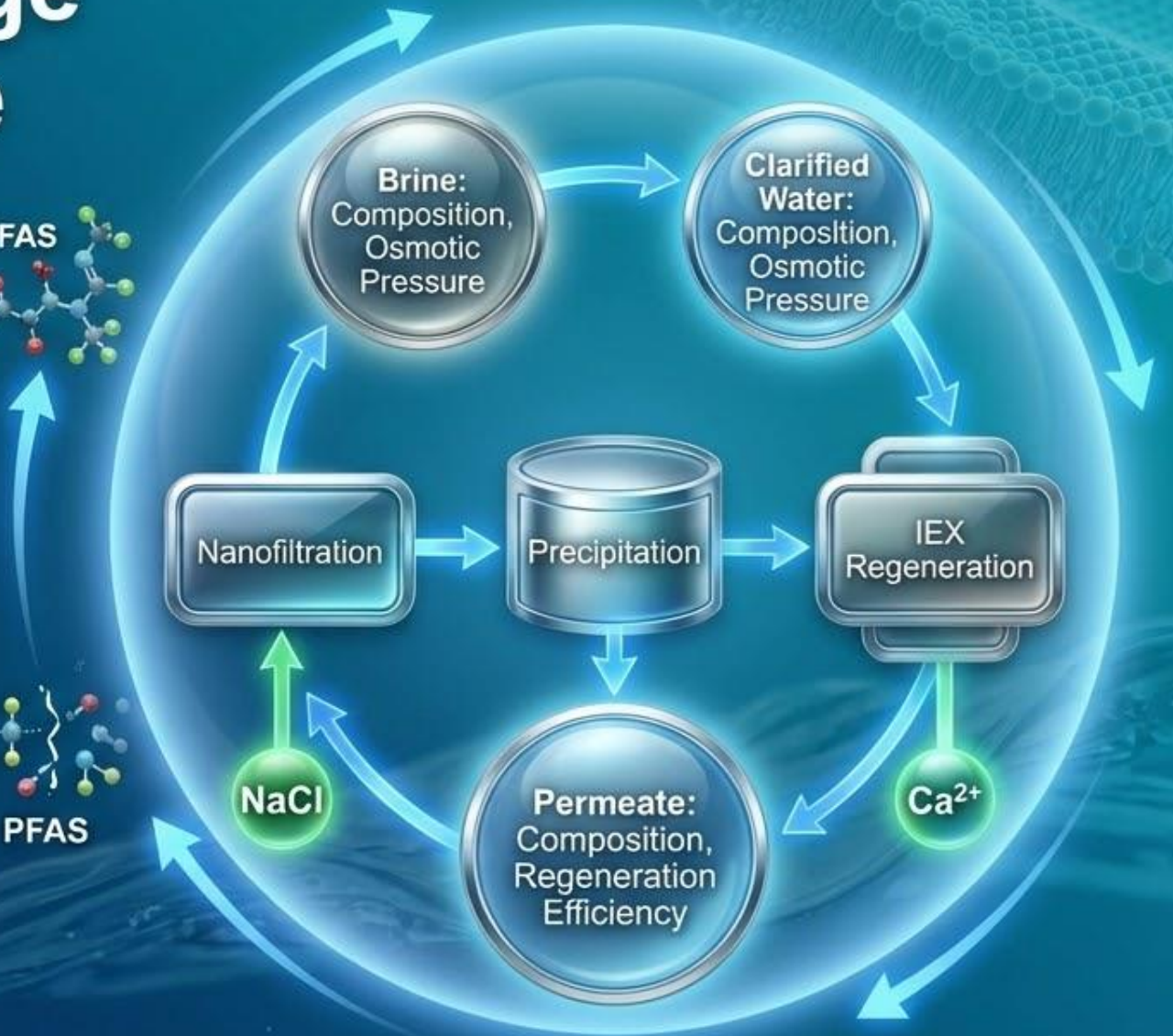
Field Application:
On-site Support

Data Analysis:
Performance Monitoring

An emerging challenge we are trying to solve

Per- and polyfluoroalkyl substances (PFAS) removal – these “forever chemicals” for growing concerns in modern cities and its severe health threats.

Our Advanced hybrid technology demonstrated the ability to remove these persistent chemicals.



WHERE WE'RE GOING

- Organizations around the world are partnering with NanoSun to help them manage Industrial Water sustainably
- With NanoSun, manufacturers are reducing cost of water treatment and identify potential water streams for reuse.
- We are working to build a future in which commercial enterprises can use NanoSun technologies to build Singapore in a sustainable manner.

BUILDING A SUSTAINABLE FUTURE

THE ASK (CALL TO COLLABORATION)

Expand Applications: Open new fields or sectors for our nano-additives and 3D Printed membrane technology.

Scale Advanced Tech: collaborate on hybrid advanced technology for PFAS removal.

Objective: Build a Singapore where advance manufacturing partners use water sustainably with NanoSun.

Let’s Solve Hard Problems Together

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Thank You!

Connect with us:

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