

A Global Marketplace for Innovative Water Companies

Tenant Directory





The Singapore Water Exchange (SgWX) is a dedicated space to further the growth of a vibrant and dynamic water industry in Singapore. Launched in July 2018 at the Singapore International Water Week (SIWW), SgWX is a specially-designed infrastructure that provides an integrated and conducive environment for water companies to operate and collaborate. It houses a vibrant ecosystem of water-related companies to accelerate water innovation and commercialisation.

www.pub.gov.sg/sgwx

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TABLE OF CONTENTS

WELCOME ONBOARD

4

OUR ECOSYSTEM

11

3E Memtech

12

CBE Eco Solutions

13

Century Water Systems & Technologies

14

De Nora Water Technologies

15

ECOSOFTT

16

FiberSense

17

Filtersafe

18

H2O One

19

Hydrobiology

20

Imagine H2O

21

Ion Asia

22

Isle Utilities

23

Keysino Separation Technology

24

MattenPlant

25

Mueller Water Products

26

Mycometer

27

Nanostone Water

28

Netatech

29

Nihon Suido Consultants

30

NJS

31

Pleuger Industries

32

Proceanic Engineering Services

33

SG Enviro

34

Singapore Society for Trenchless Technology

35

Singapore Water Association

36

SpaceAge Labs

37

VA Tech Wabag

38

Xylem Water Solutions

39

Zweec Analytics

40

APPENDIX

41

WELCOME ONBOARD!



MICHAEL TOH

*Director, Industry & Technology Collaboration Department
PUB, Singapore's National Water Agency*

The Singapore Water Exchange (SgWX) is a unique place amongst international water hubs. Established in 2018, it houses a vibrant ecosystem comprising different water industry players that work together to push the boundaries of water innovation. Besides providing a conducive environment for water companies to operate and collaborate, SgWX also hosts a range of activities to accelerate commercialisation and connect companies to business opportunities.

In a short span of two years, the ecosystem has grown to almost 30 tenants from 10 countries. They range from start-ups to multinational corporations, from technology manufacturers to industry consultants. Together, they co-create solutions that solve water challenges for Singapore and the world. I encourage you to take time to explore the SgWX ecosystem, exchange ideas and forge new partnerships. We wish you every success in growing your business at SgWX.



“

*SgWX is an **excellent springboard** for international companies to start their business in Singapore and understand the latest trend of water-related technologies.*

SgWX has connected us to many like-minded water companies and we highly appreciate the introductions.

”



Tatsuya Tobe

General Manager, Singapore Branch
Nihon Suido Consultants



“

*SgWX provides a **vital resource** for organisations like Imagine H2O Asia that are part of Singapore’s growing water startup ecosystem. Hosting our regional hub at SgWX has enabled us to participate in **curated networking sessions** with visiting international water companies, government agencies and utilities, as well as working in close proximity with PUB colleagues to jointly identify collaboration opportunities for our accelerator startups.*

”



Nimesh Modak

Director
Imagine H2O



SgWX regularly hosts participants in international programmes run by the Singapore Water Academy. To help SgWX tenants expand their networks and connect with like-minded industry professionals, they are invited to introduce their solutions and participate in the networking with these international officials.



SgWX also invites international guest speakers to share about project opportunities, bringing such information to the tenants so that they can gain first-hand insights about the water solutions needed in other countries.



SgWX tenants are invited to workshops to better understand today's evolving innovation landscape and the growth opportunities in the water market. Participants are exposed to the various developments and upcoming trends of the industry.



At the SgWX, we are a family. We bond through social activities and develop strong camaraderie. (Note: photo taken pre-COVID)

OUR ECOSYSTEM



3E Memtech



3E Memtech specialises in hollow fibre membranes for water separation and purification solutions with consistent, reliable, energy-efficient, and long-lasting performance. Novel 3E hollow fibre nanofiltration membranes offer extremely low energy consumption, customized salt rejection rate, elevated operation temperatures and outstanding oxidation and fouling resistance.

Applications include cooling tower water treatment, laundry water treatment, seawater reverse osmosis pre-treatment and achieving zero liquid discharge.

www.3ememtech.com



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CBE Eco-Solutions



Millions of tons of carbon waste by-product are produced from oil refinery plants annually. Currently, the carbon waste is burnt and the remaining ash is sent to landfills, a practice which raises serious environmental concerns including greenhouse gas emissions.

CBE Eco-Solutions, a spin-off company of NUS Graduate Research Innovation Programme (GRIP), is revolutionizing the oil & gas industry by upcycling oil refinery carbon waste to value-added products through a cost-effective, environmentally friendly and energy efficient process.

Our launch product, CarbonSP, is porous and surface functionalized activated carbon, which can be used in wastewater treatment, air purification or battery electrodes. With our proprietary catalyst and energy efficient process, the product is not only cost effective to produce but also has high adsorption capacity towards both organic and inorganic pollutants, making it optimized for various follow-on uses.



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Century Water Systems & Technologies



Century Water Systems & Technologies (CWST) is an innovative and advanced water treatment engineering firm that specializes in water/wastewater purification systems & technologies mainly for industrial applications in Electronics, Pharmaceuticals, Petrochemical fields etc.

CWST's strong R&D team has been developing the latest water technologies and invented the world's leading low-pressure hollow fibre nanofiltration & organic/inorganic pervaporation membrane for drinking water and solvent dehydration/recovery replacing conventional distillations and molecular sieve.

We are now expanding our business with manufacturing factory and marketing offices in Singapore, China and the ASEAN region. We believe our innovative technologies and products will bring the world more cost-effective, energy-efficient and greener solutions with more and more experts and talents sharing the same visions and missions.

www.century-water.com

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De Nora Water Technologies



De Nora Water Technologies is a global provider of sustainable technologies and a partner of choice for water & wastewater treatment solutions since 1923. Leveraging the group's R&D expertise and trusted brands, De Nora Water Technologies delivers advanced water and wastewater filtration and disinfection technologies to solve the most challenging applications for municipal, power, oil & gas, marine, and other industrial markets. We are committed to secure clean water available everywhere with the aim to simplify operations and improve safety at the lowest possible whole-life cost. Today, De Nora serves customers in 119 countries worldwide with 19 offices, 12 manufacturing facilities, and three R&D centers in Italy, USA and Japan.

www.denora.com

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ECOSOFTT



ECOSOFTT is a pioneer and innovator of water solutions for industries, buildings, residential communities and conservation of water bodies. Its Water WISE Blue Building and Industries platform comprises a set of technological innovations that allow facilities to conserve water, reduce cost, meet discharge standards and recycle used water in an efficient manner.

The range of projects completed by ECOSOFTT include: drinking and pure water system design and implementation, used water treatment and recycling, rainwater harvesting systems design & implementation, conservation of rivers and lakes, water audit and efficiency improvement planning.

ECOSOFTT's business model and innovations have been recognised at the highest international level including being the first ever Winner of the globally-renowned Zayed Sustainability Prize – Water Category in 2019.



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FiberSense



FIBERSENSE®

Formed in 2015, FiberSense is a technology company that has found a way of fusing the physical footprint of the internet with a means of detecting and tracking objects and events to provide near seamless total coverage in public spaces across cities. Our current platform has ingested 15 million kilometer-hours of event data in cities over the past 4 years and with recent fund raising events, this is set to exponentially expand around the globe with the creation of seamless smart-city grids enabling a host of exciting applications and services.

In relation to water utilities, FiberSense saves companies money and reduces water loss. We provide applications that detect and mitigate physical threats to water pipe infrastructure, as well as for the detection of leaks, all in real-time and all without the need for the deployment of additional sensors in or around water pipe infrastructure.



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Filtersafe



Filtersafe is a global company and has been in the water industry for more than three decades. Filtersafe is a premier supplier of automatic self-cleaning filters which are widely used in purifying different kinds of water sources in the water industry, in removing suspended solids, both organics and inorganics, down to size of 10-micron nominal. Not only that, the filters are also equipped with innovative and patented technologies giving much better performance and is able to withstand higher dirt loads. Filtersafe, as an experienced company, also possesses the knowledge to integrate successfully into applications requiring the most challenging filtration solutions in the following market segments:

- Oil & Gas Sectors
- Power & Energy Sector
- Water reclamation & Desalination
- Municipal Water Treatment
- High-end Agriculture



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TENANTS

H2O One



H2O One (H2O1) is focused on water and water resource optimisation in developing markets in South Asia and South East Asia. H2O1 intends to work with Singapore SME and global MNC companies focused on the areas of water and sustainability to expand their businesses in regional markets. The company intends to leverage its strong relationships with key industry stakeholders to enhance connectivity and secure new projects and assignments. Initial focus areas are in water treatment plants, desalination plants and distribution optimisation with emphasis in Sri Lanka and Maldives.

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Hydrobiology



Hydrobiology is an environmental consulting company offering integrated services in the physical, biological and chemical processes of environmental systems. Hydrobiology's focus is technical excellence and high scientific expertise in our fields of work. Hydrobiology applies skills to both marine and freshwater systems, including estuarine and marine flora and fauna ecology, habitat mapping, water and sediment quality monitoring, biomonitoring, ecotoxicology, river management and developing and implementing risk assessment frameworks.

Hydrobiology is the go-to people for difficult and complex environmental problems. Hydrobiology has been working globally for 20 years and Singapore is our first regional operations base in Asia.

www.hydrobiology.com



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Imagine H2O

IMAGINE |  | H₂O

Imagine H2O is a nonprofit organization that empowers people to develop and deploy innovation to solve water challenges. Since 2009, the organization's water innovation accelerator has supported over 100 startups with the resources to develop and scale their business, granting over \$1 million in pilot funding awards.

Imagine H2O's global programs are designed to unlock the barriers for startups to transform their technologies into scalable businesses and end-users to validate and deploy solutions for smarter water resource management.

www.imagineh2o.org

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Ion Asia



ION - ASIA PTE. LTD

Ion-Asia focuses on offering Sustainable Green Technologies & Solutions that are environmentally friendly & utilises marginal to negligible use of hazardous chemicals. We offer customized solutions through in-depth analysis of the challenge and to the complete satisfaction of the customer.

Our process optimization program involves offering trusted & credible products with uncompromising support. Our technologies save energy, water & labour. Expensive process & CapEx equipments are set to be maintained trouble-free with the use of our long-term products.

Our professional expertise in the water treatment industry and our technical ability to offer customers tailor-made solutions has been our core strength and vital driver in establishing a wider footprint in the environmental industry.

www.ionsingapore.asia

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Isle Utilities



Isle is an independent technology and innovation consultancy that brings together technical and commercial specialists to facilitate relationships. Our team consists of highly skilled engineers and scientists with extensive and diverse consulting expertise.

Isle's global water sector knowledge is across water, waste, the built environment, energy and carbon. We use this valuable expertise to identify technology deal-flow, undertake due diligence, provide market intelligence, and work with investors. We have extensive in-house experience in bringing new technologies to market and an established framework to support innovation, technology development, strategy and growth, and investment.

Through our global innovation forum, the Technology Approval Group (TAG), we have a strong track record in identifying emerging technologies and accelerating their market uptake. The forum revolutionises the way new technologies are adopted and commercialised - connecting expertise, investment and inspired ideas to bring them to life.

www.isleutilities.com

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Keysino Separation Technology



As a technology-driven environmental company focusing on industrial fluid separation, Keysino is committed to the research and development of membrane separation technology, optimizing production processes for industrial customers, providing integrated solutions for emission reduction and comprehensive utilization of waste resources. We provide our customers with a one-stop service in a truly butler-like manner.

According to the differentiated needs of industrial customers in the field of industrial fluid separation and wastewater treatment, Keysino relies on its self-developed membrane technology to provide customers with an integrated solution of membrane technology, including the design and implementation of clean production technology solutions, integration of membrane separation equipment, operation technical support and after-sales service, to help customers improve the efficiency of resource utilization, reduce production costs and pollutant emissions, to achieve the purpose of "separating the turbid from the clear, making the best use of the material" and to achieve the "mutual benefit and win-win" of economic benefits for customers, social and environmental benefits and economic interests of the company.

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MattenPlant



At MattenPlant, we always consider our customers first. We strive to transform the most advanced, sophisticated and even complicated water technologies into the most intelligent, hassle-free and user-friendly water treatment systems for day-to-day operations and applications. Providing values well beyond the conventional offerings of quality, reliability and durability in the water industries.

We focus on building a broader portfolio of standard and modular water systems for ready applications, and a wider range of complementary products to make such applications easy. On the wastewater segment, apart from normal sewage, we have developed advance capabilities to treat tough industrial effluent. Providing water reuse and zero liquid discharge solutions.

We continue to establish a wider sale, distribution and post-sale support network globally through our SKion Water Group and to transform ourselves to be a leading system integrator in the global water supply chain, to be an extraordinary water company.

www.mattenplant.com

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Mueller Water Products



MUELLER

Mueller Water Products is a leading manufacturer of products and services used in the transmission, distribution and measurement of water. Mueller's broad product and service portfolio includes leak detection, pipe condition assessment, metering products and networks, gate, check, and butterfly valves, fire hydrants, control valves, pipe connection and repair couplings and clamps and other smart water systems. Mueller helps water utilities increase operational efficiencies, improve customer service and prioritise capital spending, demonstrating why Mueller Water Products is 'Where Intelligence Meets Infrastructure®'.

Mueller Water Product brands include Mueller®, Echologics®, Hydro Gate®, Hydro-Guard®, HYMAX®, Jones®, Krausz®, Mi.Net®, Milliken®, Pratt®, Singer®, and U.S. Pipe Valve & Hydrant.

www.muellerwaterproducts.com

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Mycometer

mycometer
rapid microbiology – on-site technology

Mycometer is a Danish company founded in 1998. Today, Mycometer is a technology leader within enzyme targeted rapid methods for quantification of mould and bacteria, be it on surfaces, inside porous materials, in water, liquids, diesel, slurries and air. Mycometer offers a truly unique combination of onsite and on-line analysis for microbial contamination. All of Mycometer's technologies has been tested and verified by the US-EPA.

www.mycometer.com

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Nanostone Water



Nanostone Water is a supplier of pressurized ultrafiltration ceramic membrane products and solutions for water and wastewater treatment. Headquartered in Waltham, Massachusetts, the company has manufacturing operations in Halberstadt, Germany, and sales and engineering offices in China, the Netherlands, Singapore, Taiwan, UAE and UK.

www.nanostone.com

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Netatech



Netatech is in the business of sustainable urban solutions including water sensitive urban design and engineering, urban irrigation design and application, water treatment and quality control, online control and monitoring of water bodies, and urban agriculture and tropical greenhouses.

Netatech manages client's projects through the stages of design, construction, commissioning and maintenance, enabling them to meet relevant regulatory requirements of the BCA Green Mark and the PUB ABC Waters Certification.

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Nihon Suido Consultants



Nihon Suido Consultants
Singapore Branch

Nihon Suido Consultants has been contributing to various business solutions and sustainable growth in the field of water supply and sewerage systems in Japan and over 55 countries as a leading engineering consulting firm since its incorporation in 1959. Nihon Suido provides comprehensive solutions for all aspects of water infrastructure and solves the water related challenges through our technical capabilities and local-oriented services.

As a leading water sector consultant, Nihon Suido's mission is to provide sustainable and comprehensive services to local communities by providing effective water and wastewater infrastructure and ensuring proper maintenance. Nihon Suido has committed to Open Innovation to develop an innovative solution through a collaborative research and joint development with partners in the world.

www.en.nissuicocon.co.jp



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TENANTS

NJS



NJS is a Japanese water and environmental consulting firm established in 1951. For over 70 years, NJS has cultivated technologies for the usage, processing and management of water. In the 21st Century where water issues are expected to become more severe, NJS will further develop water management technologies and contribute to water and environmental issues in local communities and society as a whole.

www.njs.co.jp



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Pleuger Industries



Pleuger Industries is an international manufacturer and supplier of submersible motor pumps, thrusters and plunger pumps and related services, with headquarters in Hamburg, Germany. Pleuger products are used worldwide throughout the water industry, in mining and processing industries, as well as the energy industry. With over 90 years' experience in producing electric submersible motors to the highest quality standards from their Centre of Excellence in Germany, Pleuger products are renowned for their absolute reliability and outstanding longevity. Combining German engineering know-how with decades of application experience, Pleuger are the reliability experts for submersible pump and motor systems.

www.pleugerindustries.com

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Proceanic Engineering Services



Proceanic is a full-service engineering, project management, and underwater ROV inspection company, providing innovative and proven technical services to the offshore, maritime and onshore utilities industries.

- Class-approved marine robotics inspections (ABS, BV, DNV-GL and LR)
- Hull & marine engineering (vessels & rigs)
- Site & construction consultancy

www.proceanic.com

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SG Enviro



SG Enviro is a Singapore-based company focusing on sustainable environmental technology. With industrial waste water treatment at its core, SG Enviro adopts an Engineering, Procurement and Construction approach weaving its versatile proprietary innovation in advanced oxidation process. The patented Non-Thermal Plasma (NTP) and Nano-Bubble Technology innovation has proven successful in various applications in industrial wastewater treatment, aqua-farming, decontamination, ozone disinfection and treating organic recalcitrant pollutants. SG Enviro has since scaled up its resources and capabilities to provide operation & maintenance services and chemical supply. Moving forward, SG Enviro will be looking to digitally integrate the instrumentation and monitoring of water quality online.

www.samwoh.com.sg

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TENANTS

Singapore Society for Trenchless Technology



Singapore Society for Trenchless Technology (SgSTT) is a national society which provides and encourages education, training and research in the field of trenchless technology. SgSTT provides certification through verification, training and testing for individuals and companies to ensure that key services, applications and materials meet the society's standards. SgSTT liaises and establishes affiliations with related organizations within Singapore, ASEAN countries and overseas.

SgSTT is an affiliated member of the International Society for Trenchless Technology (ISTT).

www.sgstt.org.sg

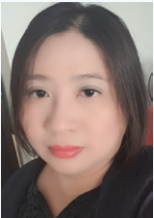
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Singapore Water Association



The Singapore Water Association, established in 2004, envisioned to create a vibrant and dynamic water industry in Singapore. Its members have grown from an initial 9 founding members to almost 300 members. Singapore Water Association has also been instrumental in profiling and promoting Singapore as a pivotal regional hub for all water-related services and water technologies, by providing a platform to build effective networking, facilitate opportunities for collaboration, and foster the exchange of ideas and knowledge amongst member companies.

www.swa.org.sg



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TENANTS

SpaceAge Labs



SpaceAge Labs is an Internet of Things (IoT) technology company on a mission to revolutionise operations and maintenance of remote & distributed assets using the power of sensors, low-power wireless connectivity, advanced data analytics & amazing user experience. Its remoteEye IoT platform, developed in-house, is an end-to-end solution (hardware + software) that enables quick and easy deployment of IoT solutions for water utilities, facilities management and heavy industry.

www.spaceage-labs.com



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VA Tech Wabag



VA Tech WABAG Limited (WABAG) is a pure-play water technology multinational with over 9 decades of expertise in water treatment. WABAG is a lifecycle partner offering design, engineering, procurement, erection and commissioning complete with operation and maintenance of treatment projects catering to both municipal and industrial segments. A multinational company with presence in over 20 countries & with over 100 patents to its credit, WABAG today is a leading player in water and wastewater treatment across the world.

WABAG's solutions include drinking water treatment, industrial and process water treatment, sea and brackish water desalination, municipal wastewater/used water treatment, industrial effluent treatment, sludge treatment and power generation, water reclamation systems (recycling and reuse), operation & maintenance and BOOT.

The company has been instrumental in providing access to clean drinking water to a large populace and facilitating treated wastewater discharge, thereby validating its tagline, 'Sustainable solutions for a better life'.

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TENANTS

Xylem Water Solutions



Xylem (XYL) is a leading global water technology company committed to solving critical water and infrastructure challenges with innovation. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. Our more than 16,000 diverse employees delivered revenue of \$4.88 billion in 2020. We are creating a more sustainable world by enabling our customers to optimize water and resource management, and helping communities in more than 150 countries become water-secure.



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ZWEEC Analytics



ZWEEC Analytics is a Singapore-based technology company focused on creating innovative water technology solutions. We carry out extensive technological research to develop cutting-edge solutions that help our customers solve challenging problems in the water and environmental sector.

ZWEEC's leading water technology solutions have been implemented in Singapore, Australia, China, Taiwan, the Middle East and USA and have won numerous awards.

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APPENDIX

Accelerator

COMPANY	PAGE
Imagine H2O	17

Association

COMPANY	PAGE
Singapore Society for Trenchless Technology	31
Singapore Water Association	32

Engineering Consultant


COMPANY	PAGE
Hydrobiology	16
Isle Utilities	19
Netatech	25
Nihon Sudio Consultant	26
NJS	27

Engineering, Procurement & Construction

COMPANY	PAGE
Century Water Systems & Technologies	10
ECOSOFTT	12
H2O One	15
MattenPlant	21
VA Tech Wabag	34

Technology & Solution Provider

COMPANY	PAGE
3E Memtech	8
CBE Eco Solutions	9
Century Water Systems & Technologies	10
De Nora Water Technologies	11
FiberSense	13
Filtersafe	14
Ion Asia	18
Keysino Separation Technology	20
Mueller Water Products	22
Mycometer	23
Nanostone Water	24
Pleuger Industries	28
Proceanic Engineering Services	29
SpaceAge Labs	33
Xylem Water Solutions	35
ZWEEC Analytics	36



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