



How can we leverage
on technology to
**create sustainable
water solutions?**

FUTURE READY
singapore



In the global spotlight

The current global water crisis is escalating and the implications are far-reaching; it is estimated that half of the world's population will be living under severe water stress by 2030. With an ever-growing global population and scarce water resources, what alternatives are available to help turn the tide and ensure water sustainability?

Tackling the issue

Seawater and reclaimed water are abundant sources that can be tapped into. However, to produce drinkable water, both require costly treatment methods – desalination or water recycling. Because of this, they are economically unviable options for developing countries. Hyflux, a water solutions company, is working to change that by developing a range of cost-effective and versatile membrane systems that can be implemented in water treatment applications.

What makes the solution innovative

Hyflux's award-winning proprietary Kristal[®] Polymer Hollow Fibre Membrane provides a superior solution for desalination and water recycling. Besides filtering micro-particles more reliably, it is also efficient in bacterial and virus log removal. In addition, the membrane system is highly durable and requires lower cleaning frequency. All these features significantly reduce operational costs, making it more affordable to utilise such alternative water sources.





Singapore's role in developing the solution

The Public Utilities Board's (PUB) experience in water management made it an ideal partner for Hyflux to develop the Seletar NEWater Plant project under the Design & Build scheme. This also led to Hyflux establishing the SingSpring Desalination Plant, Singapore's first and largest seawater desalination plant. Today, Hyflux exports its expertise to desalination plants globally due to insightful experiences gained from a thriving collaboration with PUB.

Exploring new frontiers

To date, Hyflux's range of membrane systems is used in more than 1,000 plants in over 400 locations across the globe. These include building the world's largest seawater desalination plant in Algeria and a portfolio of 44 Chinese water assets worth US\$441 million. Moving forward, Hyflux intends to leverage on its membrane know-how to push frontiers beyond water, such as the extraction of valuable resources from waste materials.



Background on solution provider

Hyflux is one of the world's fastest-growing technology-driven water solutions companies. Its expertise lies in the development of cost-effective, advanced membrane technologies for both municipal and industrial water needs. Hyflux is a leading provider of water and environmental solutions in markets such as Singapore, Southeast Asia, China, India, Algeria, the Middle East and North Africa. With a proven track record and comprehensive technological capabilities, Hyflux is geared to deliver world-class solutions to meet the needs of the future.



**Today's
business partner_
For tomorrow's
world_**

What is *Singapore: Future Ready*?

Singapore: Future Ready articulates Singapore's aspiration to be an ingenious partner for global businesses as they develop their ideas for tomorrow's solutions. We do so by recognising the value of long-term relationships, adopting a forward-looking approach, and taking on challenges with a can-do spirit. Against the backdrop of an ever-changing economic landscape, it also underlines Singapore's unique ability to help companies deliver solutions more quickly, with the right combination of talent, innovation, and strategic leadership.

To witness Singapore's future-ready partnership in action, visit www.singaporebusiness.com now.