



# SINGAPORE INTERNATIONAL WATER WEEK

ONLINE



18 – 19 November 2020



9:00am – 6:30pm SGT (GMT +8)

## Industrial Water Solutions – Reducing Industry Water Footprint Through Innovation and Corporate Stewardship

19 November 2020, Thursday | 5.00pm – 6.30pm SGT (GMT +8)

Co-organised with



### About this webinar

Water is one of the most important resources used in significant quantities for many industrial operations in their processes or supply chain. While water is incredibly abundant, only 1% of the water on earth is easily accessible for use – this makes water a precious, finite resource and it is our responsibility to use it wisely. Today, corporations are faced with immense pressure from the government and the public to reduce water consumption and at the same time meet stringent requirements for discharge of trade effluent. Against a backdrop of scarce resources and climate change, how can they then preserve, optimise and secure water resources required for their operations?

This session invites different industries to share best practices on improving water resources management within the corporation through water stewardship and innovative technologies to reduce risks and reliance on water.

### Why you should attend

With rising demand for scarce resources globally, learn about the different set of challenges faced by organisations around the world to secure water resources for their operations

Hear from leading corporations on how they successfully implement managerial and technological practices to ensure sustainable water resources management

Find out about existing and emerging innovation technologies that can help reduce water footprint

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# Programme

5.00pm	<b>Welcome Remarks by Singapore International Water Week</b> Ryan Yuen, Managing Director, Singapore International Water Week
5.05pm	<b>Water Reuse: Choice or Necessity?</b> Gabriel Gabor Kicsi, Singapore Water Technology Centre Director, SUEZ Water Technologies & Solutions  By 2025, an estimated two-thirds of the global population will live under water stress conditions. By 2050, the world will demand 55% more water and 70% more energy (Global Water Forum). Water resources, even in developed nations, are being threatened by climate change, drought and population growth; regulations around the world are pushing industry to find ways to preserve our water sources, and public perception is putting pressure on corporations to find more sustainable practices.  Conservation is not enough and no other solution today (e.g. dew harvesting, water capture, desalination) can provide for a sustainable water future at the scale the world needs. Gabriel Kicsi discusses how water reuse can be the key to immediately and effectively reversing the global threat of water scarcity and creating a sustainable water future.
5.15pm	<b>Working with Industries Today to Manage Tomorrow's Water Demand</b> Dr Pang Chee Meng, Chief Engineering & Technology Officer, PUB, Singapore's National Water Agency  Singapore's industrial water demand is expected to grow from the current 236 MGD, to about 560 MGD by year 2060. To mitigate the increased demand, PUB proactively engages Singapore's large industrial water users to reduce their water footprint. One way is to collaboratively demonstrate the technical and financial feasibility of innovative solutions in recycling water for process use. Such projects build the overall industry's confidence in adopting novel industrial water solutions, and also raise the industrial norms for water efficiencies.
5.25pm	<b>Panel Discussion</b>  <b>Panelist</b> <ul style="list-style-type: none"><li>• Sally Johnston, Senior Process Engineer and Water Subject Matter Expert, BHP Billiton</li><li>• Gabriel Gabor Kicsi, Singapore Water Technology Centre Director, SUEZ Water Technologies &amp; Solutions</li><li>• Liew Yien Phin, Senior Vice President, Head of Water (Singapore &amp; SEA), Sembcorp</li><li>• Chris Ng, Product Supply Director, Procter &amp; Gamble</li><li>• Aaric Poo, Assistant Plant Manager, F&amp;N</li></ul> <b>Moderator</b> <ul style="list-style-type: none"><li>• Mahesh Rao, Director, Strategic Marketing &amp; Key Accounts (Asia-Pacific), SUEZ Water Technologies &amp; Solutions</li></ul>
6.28pm	<b>Closing by Singapore International Water Week</b> Ryan Yuen, Managing Director, Singapore International Water Week
6.30pm	<b>End of Webinar</b>

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## Speakers



### SALLY JOHNSTON

Senior Process Engineer and  
Water Subject Matter Expert  
BHP Billiton

Sally Johnston has over 30 years experience in the water and waste water treatment industry covering municipal and industrial industries. She has held various planning, design, construction and commissioning leadership positions in UK, Ireland, NZ, Australia.

She is a Chemical Engineering professional with an inherent interest in safety, standards development, environment sustainability and innovation. She is currently residing in Perth, Australia.



### GABRIEL GABOR KICSI

Singapore Water Technology Centre Director  
SUEZ Water Technologies & Solutions

Gabriel's 26+ years professional, membrane technology-based experience, within the Global Water and Wastewater Treatment Industry, has encompassed many phases of project life. In wastewater process development he was conducting high rate, high organic loading immersed Membrane Bioreactor (MBR) and anaerobic MBR bench and Pilot scale studies as well as wastewater RO studies. His Design and Construct experience in tendering, tendering management, contracting, process design, design management, procurement and commissioning was gained and utilised in North America, Europe, Middle East & Asia Pacific.



### DR PANG CHEE MENG

Chief Engineering & Technology Officer  
PUB, Singapore's National Water Agency

Dr. Pang Chee Meng is the Chief Engineering and Technology Officer of PUB, Singapore's National Water Agency. He leads PUB's Technology Department to administer its R&D program for the development and application of new water technologies. Prior to this, he was the Director of the Industry Development Department. He led a team to formulate and implement strategies to grow Singapore's water industry and facilitate the commercialisation of new water technologies. Chee Meng has experience in used water treatment and water-policy development and was actively involved in the development of water-related standards in Singapore and new ISO standards for water reuse.



### LIEW YIEN PHIN

Senior Vice President,  
Head of Water (Singapore & SEA)  
Sembcorp

Ms Liew Yien Phin is Senior Vice President, Head of Water (Singapore and Southeast Asia) at Sembcorp Industries. She is responsible for the business development, project development and execution, as well as operation and maintenance of Sembcorp's water assets in Singapore and Southeast Asia. Prior to her current appointment, Yien Phin led Sembcorp's project development team and successfully executed projects in China, South America and Middle East.

Yien Phin has more than two decades of experience in the water industry. Before joining Sembcorp, Yien Phin spent twenty years in consultancy and EPC companies, namely Black & Veatch and Montgomery Watson where she led teams in business development, design, project development and execution as well as operation and maintenance of water projects in Southeast Asia, China, India and Australia.

Yien Phin holds a Bachelor of Civil Engineering degree from the University of Canterbury, New Zealand, and a Master of Business Administration from the University of Dubuque, USA.





**CHRIS NG**  
Product Supply Director  
Procter & Gamble

Chris currently leads the manufacturing site in Singapore for P&G. The site supplies critical intermediates to more than 10 other P&G plants in Asia. Prior to this, he led the organisation in Australia and Philippines to deliver breakthrough results for about seven years of his total P&G career.

He has over 17 years of experience in supply chain management in markets within Asia with proven track record of delivering supply chain driven value creation. His expertise lies in 'end to end' planning and Manufacturing Operations Excellence.



**AARIC POO**  
Assistant Plant Manager  
F&N

As the Assistant Plant Manager of F&N Foods Pte Ltd, Aaric leads the manufacturing, quality assurance and engineering department. He is the key person driving safety and sustainability in the company, and possesses more than 15 years' experience in food manufacturing industry.



**MAHESH RAO**  
Director, Strategic Marketing & Key Accounts (Asia-Pacific)  
SUEZ Water Technologies & Solutions

Mahesh Rao has over 30 years experience in the water treatment industry covering various industries. He has held various commercial and marketing leadership positions in Australia, Singapore, China, India and Malaysia. He is a Chemical Engineering professional with a keen interest in strategic business development, environmental sustainability and innovation. He is currently residing in Kuala Lumpur, Malaysia.

About the Singapore International Water Week



The Singapore International Water Week (SIWW) is the global platform to share and co-create innovative water solutions. The biennial event gathers stakeholders from the global water industry to share best practices, showcase the latest technologies and tap business opportunities. SIWW is part of the strategic programme of the Singapore Government to grow the water industry and develop water technologies.

About SUEZ Water Technologies & Solutions



SUEZ and its 89,000 employees strive to preserve our environment's natural capital: water, soil, and air. SUEZ provides innovative and resilient solutions in water management, waste recovery, site remediation and air treatment, optimizing municipalities' and industries' resource management through "smart" cities and improving their environmental and economic performance.

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