

Water Convention 2012

Call for Papers



Water Convention is
jointly organised by:



International
Water Association



Water for All: Conserve, Value, Enjoy

Message from the Executive Director of Environment & Water Industry Programme Office (EWI)



KHOO TENG CHYE
Executive Director
Environment and Water Industry
Programme Office & Chief Executive,
PUB Singapore

First and foremost, please accept my warmest invitation to attend Singapore International Water Week 2012.

The fourth edition of Singapore International Water Week reached a new high in 2011, with more than 13,500 participants from 99 countries and regions. This marks a growth in attendance figures of almost 60% since the inaugural event in 2008. The Water Convention, one of the flagship events of the Water Week, saw more than 1,100 delegates from 64 countries, during which over 145 oral presentations and 160 poster presentations were made.

Singapore International Water Week 2012 will be held from 1 to 5 July 2012 at Singapore's Marina Bay Sands. Themed "Water Solutions for Liveable and Sustainable Cities", Singapore International Water Week 2012 will be organised in conjunction with the 3rd World Cities Summit and the inaugural CleanEnviro Summit Singapore.

In line with the theme "Water Solutions for Liveable and Sustainable Cities", the Water Convention will offer a series of sessions for delegates to share and exchange knowledge and best practices on urban sustainability. By facilitating this exchange of ideas, I believe delegates will be inspired to play an active role in creating liveable and sustainable cities for the future.

I look forward to seeing you in Singapore next July.



Message from the President of the International Water Association (IWA)



GLEN DAIGGER
President
International Water Association

2012 marks the fifth year of the International Water Association's collaboration with Singapore International Water Week as its strategic partner and co-organiser of the Water Convention.

As the world continues to feel the increasing effects of population growth, urbanization and climate change, the need to create and implement innovative and sustainable solutions to our water challenges becomes ever more pressing. Through the SIWW Water Convention, IWA has successfully established a leading platform for showcasing and generating discussions on best practices and proven applications to solve water problems in highly urbanized environments in Asia.

It remains our goal to deliver a high quality programme in the 2012 Water Convention that will allow water sector experts and professionals to share knowledge, exchange experiences and learn from one another to improve water and wastewater services delivery in Asian cities.

We invite you all as leaders in your respective fields to contribute your ideas and share your experiences so as to enrich the discussions at the Water Convention in SIWW 2012.



Message from the Co-chairs of the Water Convention 2012 Programme Committee



HARRY SEAH
Director
Technology & Water Quality Office
PUB Singapore

It is with great pleasure that we welcome you to Singapore International Water Week (SIWW) 2012. As one of the flagship events of Water Week, the Water Convention brings together the world's water practitioners and academia to share expertise and experiences on the trends and challenges faced by the global water community. Water Convention 2011 saw a good turnout of over 1,100 delegates engaging in lively exchanges on a wide variety of water-related issues.

With over half the world's population living in cities, creating liveable and sustainable cities has become one of the most pressing issues of this century. Resolving the growing demand for water resources while providing adequate wastewater systems and services is thus imperative for sustainable urban living. In addition, with rapid population and economic growth comes rising demand for energy, which we are now called on to examine in relation to water issues. These are immense challenges but also opportunities for the water sector to create innovative solutions for the future.

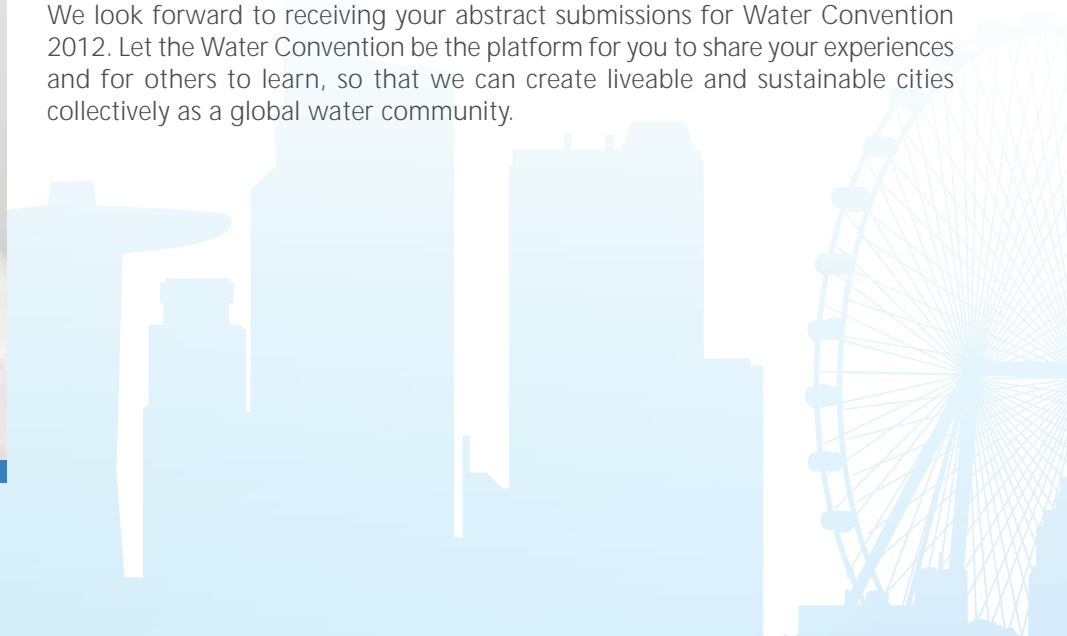
In line with the Water Week's over-arching theme of "Water Solutions for Liveable and Sustainable Cities", Water Convention 2012 aims to bring together researchers, industry leaders, and practitioners to share and exchange thoughts on sustainability. This will be done through topics such as water technology solutions, planning and management of water resources, utility practices, and water quality and protection of public health.

The themes and topics in the Water Convention are designed specifically to examine trends and challenges faced by Asia-Pacific and the Middle East regions. The "Hot Issues" Workshops, which made its successful debut at Water Convention 2011, will once again be a prominent feature in 2012 and will set the stage for further in-depth discussions.

We look forward to receiving your abstract submissions for Water Convention 2012. Let the Water Convention be the platform for you to share your experiences and for others to learn, so that we can create liveable and sustainable cities collectively as a global water community.



DARRYL DAY
General Manager
Remote Operations, Power &
Water Corporation, Australia



Water Convention 2012

Programme Committee Members

Harry Seah	Director, Technology & Water Quality Office, PUB (Singapore)
Darryl Day	General Manager, Remote Operations, Power & Water Corporation (Australia)
Anand Chiplunkar	Principal Water Supply and Sanitation Specialist (PPP), Asian Development Bank (Philippines)
Chen Xiaohua	Engineering Director, Veolia Water Solutions & Technologies Asia Municipal (China)
Chong Hou Chun	Director, Water Supply Network, PUB (Singapore)
Christoph Luethi	Senior Scientist, Water and Sanitation in Developing Countries (SANDEC), EAWAG (Switzerland)
Chua Bing Guan	Regional Manager (Southern), Indah Water Konsortium (Malaysia)
David Spector	Principal, CDM (USA)
Francisco Arellano	Head, Environmental Management & Development, Maynilad Water Services, Inc. (Philippines)
Johan Groen	Chief Technology Officer, Xylem Inc. (USA)
John Langford	Director, Uniwater, Melbourne School of Engineering, University of Melbourne (Australia)
Jonathan Clement	Director, Global Technology Application, PWN Technologies (The Netherlands)
Josef Klinger	Executive Director, TZW (Germany)
Kala Vairavamoorthy	Director, Patel School of Global Sustainability, University of Florida (USA)
Marion Savill	Executive Director, Affordable Water (New Zealand)
Ong Choon Nam	Expert Panel Member, Guidelines for Drinking Water Quality, World Health Organisation
Pamela Kenel	Global Practice Technology Leader, Black & Veatch (USA)
Pascal Dauthuille	Director, Projects, CIRSEE Suez Environnement (France)
Robert Bos	Coordinator, Water, Sanitation, Hygiene and Health (WSH), World Health Organization (Switzerland)
Robert Skinner	Professorial Fellow, Centre for Water Sensitive Cities, Monash University (Australia)
Shane Snyder	Professor, University of Arizona (USA)
Virgilio C. Rivera	Group Director, Corporate Strategy and Development Group, Manila Water Company Inc. (Philippines)
Yoji Matsui	Director, Training and International Department, Japan Water Works Association (Japan)

Themes for Water Convention 2012

The United Nations projects that by 2050, urban and industrial water use will double while climate change and rapid urbanisation will place mounting pressures on urban systems. Beyond the basic provision of water supply and wastewater services, water management is crucial for cities to be liveable and sustainable.

The theme for Singapore International Water Week 2012 is “Water Solutions for Liveable and Sustainable Cities”. In line with the overall theme, the Water Convention provides a platform for water professionals to share experiences, in particular case studies or practical applications that showcase technological solutions and/or management strategies which improve the efficiency and effectiveness of water and wastewater systems, as well as examine issues related to urban water planning and water quality and health.

In the face of global urbanisation and climate challenges, the theme “Water Solutions for Liveable and Sustainable Cities” reinforces the pressing need to integrate sustainable water management strategies into the urban planning process.



Theme 1

Delivering Water from Source to Tap

The provision of a safe and adequate water supply is key to ensuring the safety, public health and economy of a country. With the combined pressures of rapid urbanisation, booming population growth, climate change, and increasing resource demands from the industries, there is a need to quickly discover solutions to increase the efficiency and effectiveness of water technologies and systems before our cities are overwhelmed by their water challenges and can no longer provide for the needs of the community and industry in a sustainable manner.

A paradigm shift is also required in the water sector to look at the challenges in a holistic manner and discover innovative technological solutions which are both water and energy-efficient. This is especially important for industries or non-domestic sectors which are big consumers of water resources and where the largest efficiency gains can be made from improved water technologies and management approaches. In addition, there is a need to examine critically if existing technologies are capable of coping with extreme events.

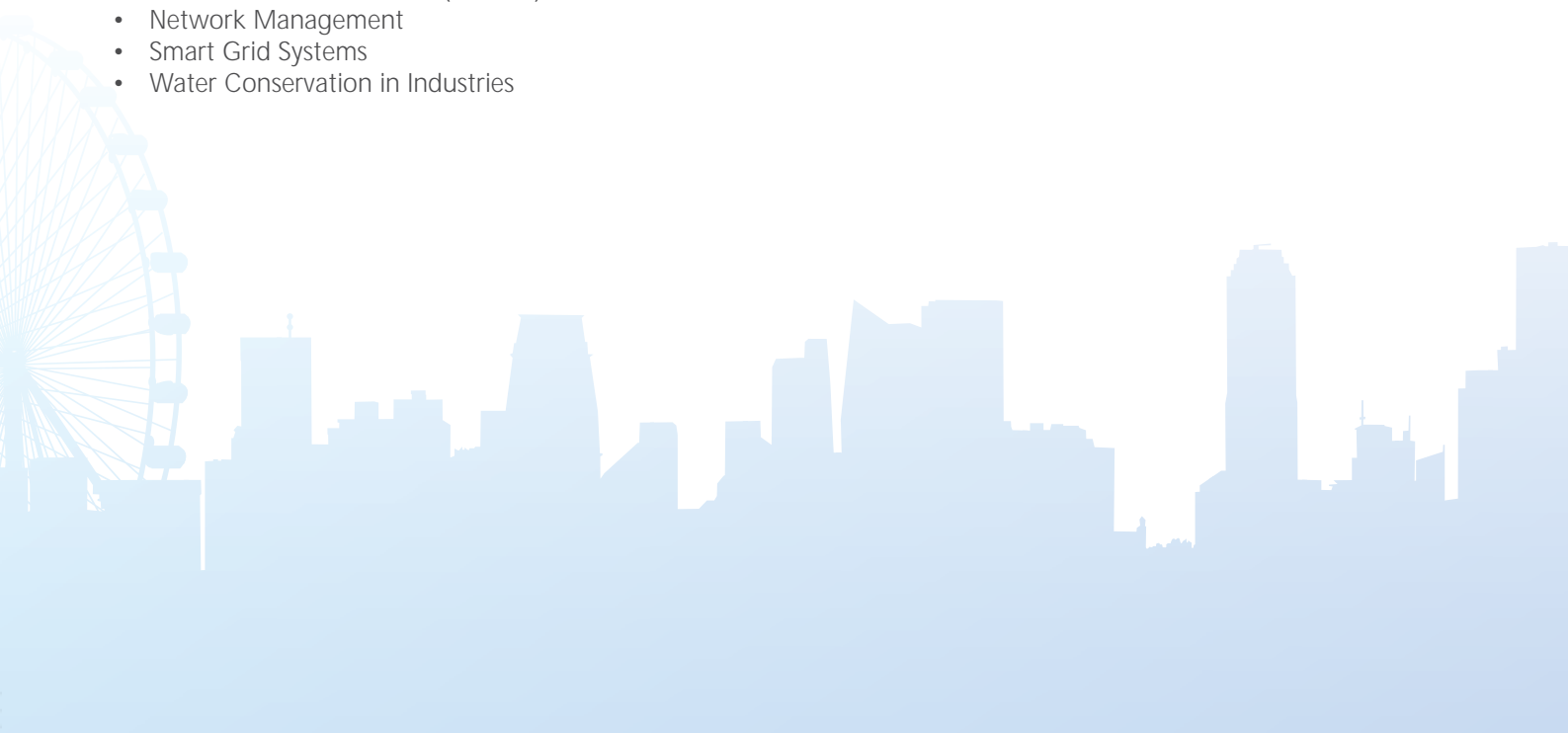
- Advanced Oxidation Processes
- Membrane-based Treatments
- Low Energy Desalination
- Alternative Water Sources
- Natural Treatment Systems
- Solutions for Catchment
- Low Cost Treatment Systems
- Technological Solutions for Extreme Events
- Centralised and Decentralised Systems
- Best Fit-for-Purpose Systems for Industry Use
- Real-time Process Control (Sensors)
- Network Management
- Smart Grid Systems
- Water Conservation in Industries

Theme 2

Effective and Efficient Wastewater Management

Cities around the world are consuming resources at an unprecedented rate which has led to the growing generation of waste. The resulting tension between resource and waste means that achieving environmental sustainability is an imperative priority, and necessitates a paradigm shift in the management approach, in both the municipal setting and the industries. Contrary to the traditional approach, which views that waste needs treatment for safe disposal, the new approach is to close the materials cycle by turning waste to resource. The focus of this theme is sustainable wastewater treatments and management strategies that aim at the higher goal of turning waste to resource. For the industries, this new approach not only translates into more environmentally sustainable practices, but may lead to cost-benefits as well. Practice-oriented papers which share experiences through case studies in the following areas are welcome:

- Energy Efficiency (Solids)
- Energy Efficiency (Liquid)
- Energy-Neutral Wastewater Treatment Plant
- Biogas Production (Innovative vs. Conventional Solutions)
- Membrane-based Treatments
- Nutrient Recovery
- Odour Management
- Sludge Management
- Collection Systems
- Brine Management
- Reuse
- Industrial Wastewater Systems



Theme 3

Planning for Sustainable Water Solutions

The uncertainties of climate change and its associated impacts have imposed a challenge to urban areas, whose growing populations and industrial activities put increasing pressure on water resources and availability. An integrated and sustainable approach to water management from the various stakeholder groups is essential to address these water issues.

The correlation between water and energy, or “water-energy nexus” is apparent and garnering more attention as both are critical resources in high demand. Strategies to balance the utilisation of these resources through integrated policy, urban planning, and changes in behaviour need to be implemented.

For this theme, case studies that demonstrate effective and sustainable approaches towards water systems planning and implementation are preferred.

- Climate Change Adaptation
- Climate Change Mitigation
- Planning for Extreme Events
- Integrated Water Resources Management
- Water-Energy-Waste Nexus
- Water and Food in the Cities
- Green Urban Environment
- Public Education & Engagement

Theme 4

Water Quality and Health

Safe drinking water is the basic element of human health and forms the core of all public health policies. However, access to safe drinking water remains a challenge in many countries. Issues such as design and implementation of water safety plans, management of microbial hazards and chemical contaminants as well as contaminants of emerging concern are some of the challenges water suppliers and utilities face today.

With information on water contaminants and their implications on health becoming readily available, people are demanding more stringent water quality guidelines and standards. In addition, water suppliers and utilities are also being challenged to provide safe drinking water under extreme weather patterns such as prolonged droughts, frequent floods, as well as during natural disasters like earthquakes and tsunamis.

The sessions in this theme will cover different aspects of water quality and health issues relevant to the provision of safe drinking water. Papers which focus on the sharing of experiences through case studies, regional issues and practical applications are encouraged. Possible topics include:

- Water Safety Plans for Extreme Events
- Contaminants of Emerging Concern
- Radioactive Contamination
- Real-time Water Quality Monitoring Systems
- Source Water Protection
- Water-borne Pathogens and Diseases



Abstract Submission Procedures

- Prospective authors can submit abstracts for either oral or poster presentations.
- Abstracts should be in the form of an outline paper, limited to TWO A4-sized pages, including figures and tables, and must contain adequate information to allow a sound referee review.
- The outline paper must include the following information:
 - Paper title
 - All authors' and co-authors' names and affiliations
 - Type of presentation (for oral presentation, please specify which theme the paper is to be submitted for)
 - Contact information (Email address, postal address, telephone and fax number) of corresponding author
 - Summary of the project/case study (in less than 150 words)
 - Detailed information with sub-sections on background, methods, results and conclusions (within TWO A4-sized pages)
- Submissions should be made online at www.editorialmanager.com/iwa-conferences. Further information regarding submission of abstracts, registration for Water Convention and paper presentation, including a template for the outline paper, is available at www.siww.com.sg/water-convention.

Registration Fees

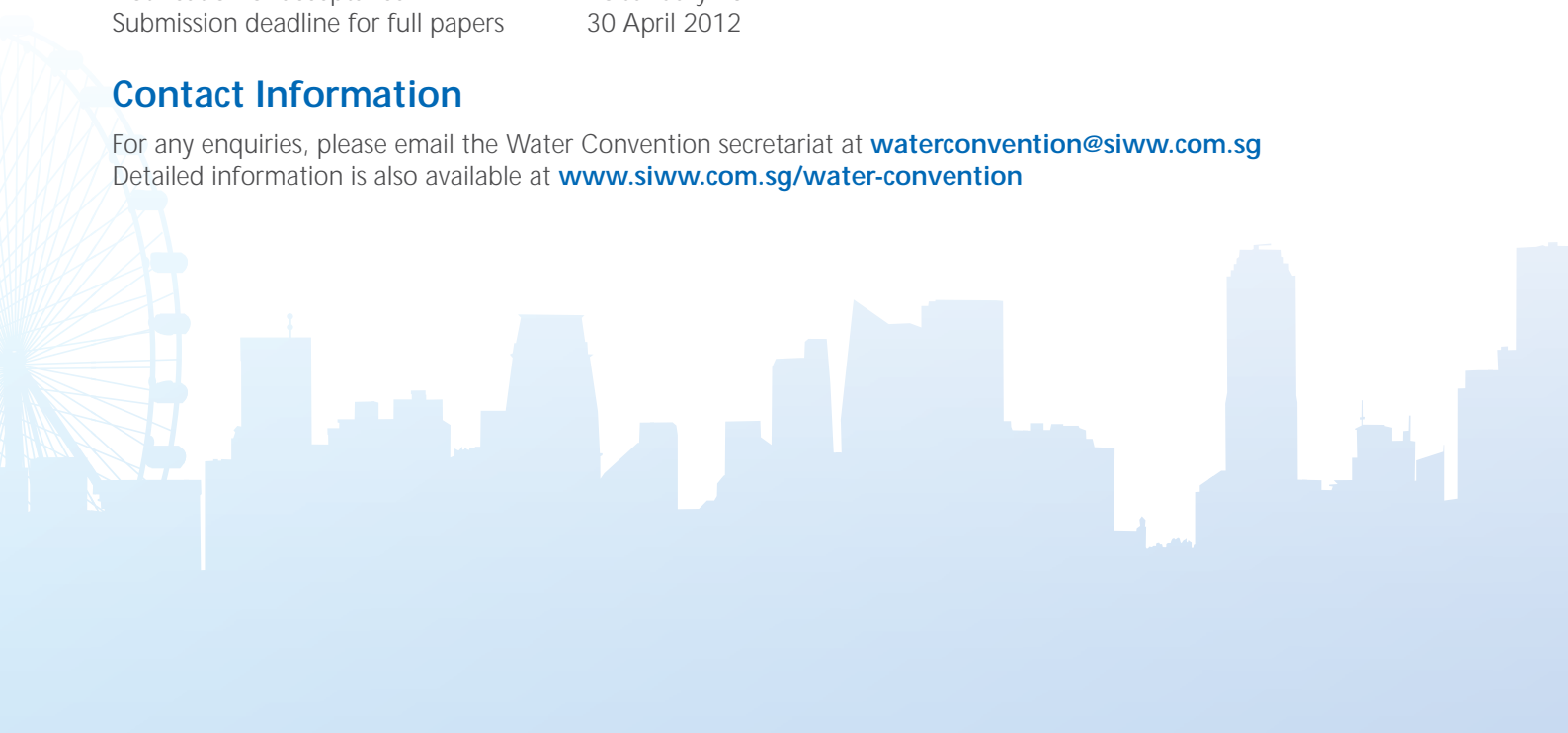
All accepted oral and poster presenters are required to register for the Water Convention on their own and pay for the conference registration fees. The presentations will only be listed in the Convention programme upon receipt of the registration fees.

Important Dates

Submission deadline for abstracts	15 November 2011
Notification of acceptance	16 January 2012
Submission deadline for full papers	30 April 2012

Contact Information

For any enquiries, please email the Water Convention secretariat at waterconvention@siww.com.sg
Detailed information is also available at www.siww.com.sg/water-convention





International
Water Association



Water for All: Conserve, Value, Enjoy

International Water Association (IWA)

The International Water Association is a global reference point and network of water professionals spanning research and practice, and covering all facets of the water cycle. Through its network of members, partners and experts in research, practice, regulation, industry, consulting and manufacturing, IWA is in a better position than any other organisation to create innovative, pragmatic and sustainable solution to current and future global water challenges.

The strength of IWA lies in the professional and geographic diversity of its members. This global mosaic of national, corporate and individual member communities allows multi-level collaboration, generating knowledge and expertise exchange on all aspects of the science, research, practice and management of water.

PUB, Singapore's National Water Agency

About PUB

PUB is a statutory board under the Ministry of the Environment and Water Resources. It is the national water agency, managing Singapore's water supply, water catchment and used water in an integrated way.

About PUB's tagline:

Water for All: Conserve, Value, Enjoy

PUB has ensured a diversified and sustainable supply of water for Singapore with the Four National Taps (local catchment water, imported water, NEWater, desalinated water).

To provide water for all, PUB calls on all to play our part to conserve water, keep our water catchments and waterways clean and build a relationship with water so we can enjoy our water resources. If we all play our part, we can have enough water – for industry, for people, for life.



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Singapore International Water Week Pte Ltd, a company set up by Singapore's Ministry of the Environment and Water Resources and PUB, Singapore's national water agency.



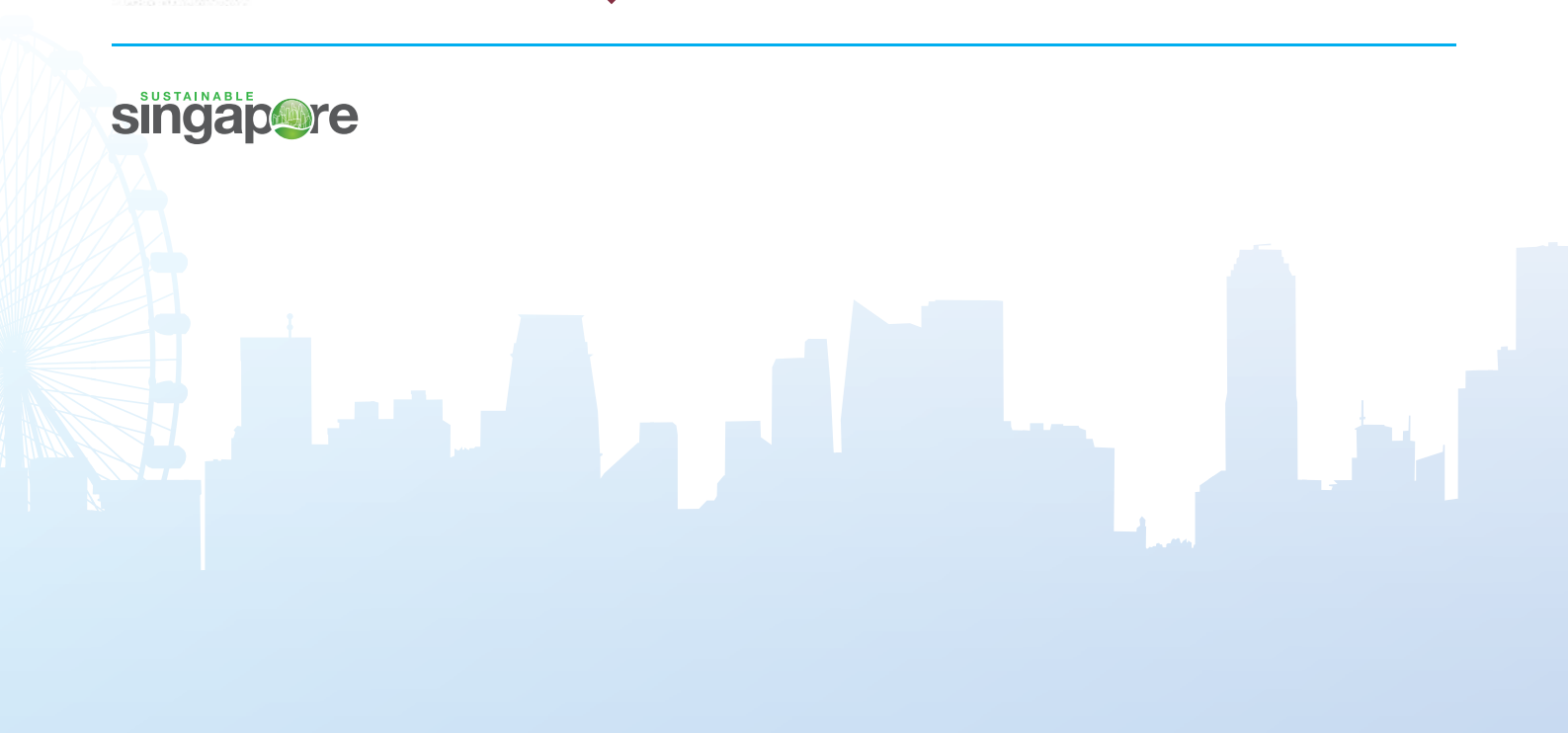
Event Organiser:



Endorsed By:



Held In:



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