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8-12 July 2018 | Sands Expo & Convention Centre | Marina Bay Sands, Singapore

Transforming Tomorrow's Cities with Clean Environment Solutions



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Environmental Topics, Technologies and Trends at CESS 2018

Engage with international experts at the CleanEnviro Summit Singapore (CESS) 2018 and gain valuable insights into the environmental industry.

Clean Environment Leaders Summit

The **Clean Environment Leaders Summit (CELS)** is a dedicated programme with three sessions designed to provide opportunities for environment leaders to connect and forge new partnerships to advance sustainability, address challenges, and enhance their knowledge of the industry. The sessions will also allow delegates to share their expertise, participate in panel discussions and exchange ideas with leaders in an interactive setting. The first edition of the CELS will take a deep dive into themes such as smart regulations, green growth models, and future technologies and solutions.

Session 1: Policy and Regulation

Panel Discussion: Protecting the environment and public health

Session 2: Business Innovation, Models, Best Practices

Panel Discussion: Innovative business concepts in pursuit of environment sustainability

Session 3: Future Technologies and Solutions

Panel Discussion: Global trends in environmental technology



Scan QR code or click [here](#) to find out more about the **CELS**

Leaders-Experts Forum

The **Leaders-Experts Forum (LEF)** is a plenary session that serves as a bridging event to connect the leadership-focused Clean Environment Leaders Summit with the more technically-focused Clean Environment Convention. The LEF brings together prominent speakers and subject-matter experts who will offer insights into the latest trends in environmental innovation, and provides the opportunity for both environment leaders and technical experts to share and discuss best practices, strategies and technological solutions.

The LEF will kick-off the CEC and is structured around four themes of **optimisation, behavioural sciences, smart grids and smart sensors, and automation**



Scan QR code or click [here](#) to find out more about the **LEF**

Clean Environment Convention

The **Clean Environment Convention (CEC)** is the technical segment of CESS 2018, where industry leaders, academics and regulators network, exchange ideas, and discuss technical solutions to environmental issues. The CEC comprises four sessions covering the themes of automation, optimisation, behavioural sciences, and smart grids and sensors. These themes encompass the essential technical domains that will equip environmental stewards with practical tools and insights for their respective areas of work. During each session, speakers will share innovative breakthroughs, latest technologies, and unique findings relating to the industry sectors of Waste Management, Cleaning, Pest Management, Sustainable Energy, and Pollution Control.

Session 1: Finding the Global Maxima: Optimisation in Environmental Systems

Session 2: Nudging Forward with Behavioural Sciences: Creative Ways to Solve Environmental Challenges

Session 3: Smart Grids and Smart Sensors in Environment Management

Session 4: Fast Forward: Accelerating Automation in the Environmental Sector



Scan QR code or click [here](#) to find out more about the **CEC**

Be sure to sign up today!



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Discover New Solutions at the NEA Innovation Pavilion

Visit the NEA Innovation Pavilion to uncover the latest environmental R&D and innovations in Singapore. Explore new ideas and concepts, and check out the prototypes and products. Connect with researchers who have the answers to your environmental challenges.

Visitors will be able to engage with innovators, as well as watch live presentations and demonstrations of these technologies at the Innovation Pitch. Be sure to attend the sessions that most benefit your business needs:

Timing	Theme
9 July, 2:30 pm	Robotics and Automation
10 July, 2:30 pm	(i) Technologies for Using Incineration Ash (ii) Improving Energy Efficiency in Waste to Energy Plants (iii) Novel Methods for Mosquito Control
11 July, 10:00 am	Technologies for Using Incineration Ash and E-Waste Recycling

11 July, 2:30 pm

Robotics and Automation

*Updated as at 28 June 2018.



Scan QR code or click [here](#) for more information about the NEA Innovation Pavilion

CESS 2018 Featured Sponsors

CESS 2018 is proud to showcase this week's featured Sponsors. Read on to find out more about their capabilities:

Since its creation in 1992 in United Kingdom, CDE has grown to be recognised as the largest wet mineral processing equipment company in the world delivering customised projects for quarries and mines on the global market, providing solutions for operators in the Sand & Aggregates, Mining, Industrial Sands, Construction and Demolition (C&D) Waste Recycling and Environmental sectors. Over the last 15 years CDE have developed their C&D waste recycling technology to the point that it is now a world leader in this area. CDE has delivered 30+ C&D recycling projects throughout UK, Europe, Scandinavia, South America and India.



City Developments Limited (CDL) is a leading global real estate operating company with a network spanning 100 locations in 28 countries and regions. Listed on the Singapore Exchange, the Group is one of the largest companies by market capitalisation. Its income-stable and geographically-diverse portfolio comprises residences, offices, hotels, serviced apartments, integrated developments and shopping malls.



With a proven track record of over 50 years in real estate development, investment and management, CDL has developed over 40,000 homes and owns over 18 million square feet of lettable floor area globally. Its diversified land bank offers a solid development pipeline in Singapore as well as its key overseas markets of China, UK, Japan and Australia.

Hitachi Zosen operates globally in Environment Technology and Plant, Machinery, and Infrastructure;

1) Waste-to-Energy

State-of-the-art thermal recycling facilities recover electricity from the waste with a significant presence in Europe and Asia. Over 900 plants have been built

Hitachi Zosen

globally.

2) Water Treatment

Fiber filtration technologies for SS and turbidity removal in water and waste water treatment and HiSIS as pre-treatment technology for RO system.

3) Zeolite Membrane System (HDS)

Durable, energy-saving and easy-to-operate zeolite membrane can separate components by molecular sieving for numerous separation processes, such as solvent purification (ethanol/water, IPA/water, acetic acid/water, etc.) and gas separation (CO₂/CH₄, Isomers etc.).

Keppel Seghers, a member of the Keppel Infrastructure group, is the environmental technology arm of Keppel Corporation, a multinational conglomerate listed in Singapore. Keppel Corporation focuses on three key business activities - Offshore & Marine, Infrastructure and Property.



As a leading player in environmental technology and services, Keppel Seghers offers a broad portfolio of comprehensive environmental solutions, and its scope of activities includes design, engineering, technology development, construction, operations and maintenance of plants and facilities as well as investments in large environmental projects.

The company's advanced technology solutions address a wide spectrum of environmental issues in solid waste and wastewater.

MHI's innovative technologies and outstanding products surround us, expanding across land, sea, air and into space.

At the waste-to-energy (WtE) facilities of Mitsubishi Heavy Industries Environmental & Chemical Engineering (MHIEC), advanced incineration stability and scalability are combined with the MHI Group's power generation technology to convert the energy in garbage into electricity with high efficiency. Residual heat is used for district heating and cooling and to warm public swimming pools.



Eco-friendly WtE facilities have been installed in communities across Japan, China, Southeast Asia and other regions, and through technology for high-efficiency combustion reduce greenhouse gas emissions and provide for reuse of residual ash



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Acknowledgements

CESS 2018 is supported by the Employment and Employability Institute. Learn more about them below:



e2i (Employment and Employability Institute) is the empowering network for individuals and companies seeking skills and solutions for growth. Since 2008, e2i has assisted more than 600,000 individuals through our career guidance, professional development, and job matching services. With an extensive network of partners, e2i offers hiring, training and productivity solutions to businesses. e2i is an initiative of the National Trades Union Congress (NTUC) to support nation-wide manpower and skills upgrading initiatives.

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