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# CLEAN CITIES & URBAN DEVELOPMENT FORUM 2024

DRIVING INNOVATION FOR SUSTAINABLE WASTE  
MANAGEMENT AND URBAN DEVELOPMENT



**Anwar Syahrin Abdul Ajib**  
Managing Director & Group  
Chief Executive Officer  
Malakoff Corporation Berhad



**Dr Maria Neira**  
Director Department of  
Environment, Climate  
Change and Health  
World Health Organization



**Dato' Hj Ramli Mohd Tahir**  
Managing Director & Board  
Member  
KDEBWM



**Bronwyn Voyce**  
Founder & CEO  
Civic Futures Lab

20-21 NOVEMBER 2024 | M RESORT HOTEL, KUALA LUMPUR

For More Info:  
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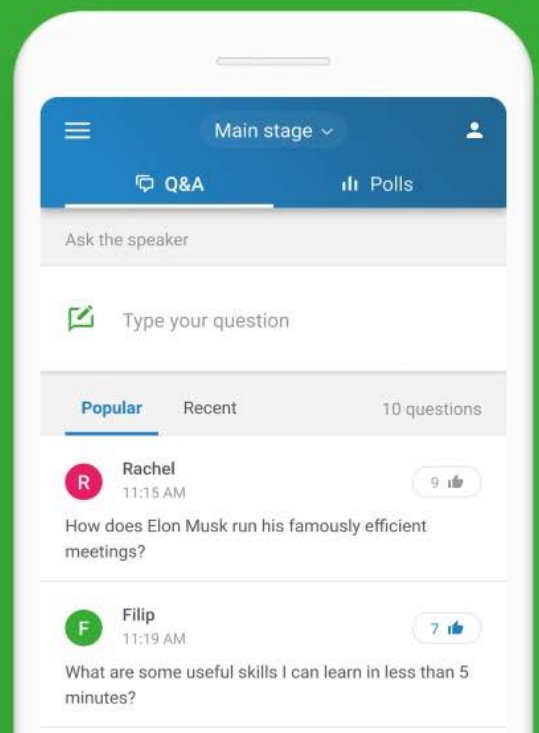
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# EMBRACING THE FUTURE OF WASTE MANAGEMENT IN 2024

CHECK OUT THE TOP 8 TRENDS SHAPING  
THE WASTE MANAGEMENT INDUSTRY





## EVENT OVERVIEW

The **Clean Cities and Urban Development Forum 2024** is committed to advancing the goals of the 2030 Agenda for Sustainable Development, specifically targeting Sustainable Development Goals 11 and 12 which focus on sustainable cities and communities.

Based on WWF & UNEP report March 2024, it is estimated that 80% of marine pollution comes from land-based sources, primarily from household and factory waste through rivers. About 148.9 million metric tons of carbon dioxide equivalent were released into the air by landfills in 2023, making them the third biggest source of methane pollution in Asia. About 22,000 tons of pollution are released each year by open burning in Mumbai, India. This waste includes plastic products such as water bottles and straws, which take thousands of years to break down. As a result, coastal flooding, human-made climate change, and the negative effects on aquatic life have become prevalent issues. Unfortunately, humans produce far too much waste and struggle to dispose of it sustainably.

Over two days, attendees will delve into how Malaysia's commitment, articulated through the 12th Malaysia Plan, to achieve a national recycling rate of 40% by 2025 can be supported through technological innovations, community engagement, and policy reform not only in Malaysia but over ASEAN region.

**The Forum also determine to stimulate the interest of citizens and sustainability leaders from multi-diversified industries across SEA region on**

1. *Separation Technique of Waste Management through Biological Treatment at Central Facilities,*
2. *Waste-Energy Technologies & Energy Recovery,*
3. *Advanced AI Technologies on Sludge and Wastewater Management Systems",*
4. *Latest Roadmap on Carbon Footprint & Water Footprint for Zero- Waste Initiatives through Plastics & Bioplastics Demolishment",*
5. *Processes & Prospects on Valorising Solid Waste for the Production of Valuable Products: Biofuels, Compost, Material, etc",*
6. *Environmental Diplomacy & Solar Technologies to Enable Sustainability and Circularity In the Energy Sector",*
7. *Hydrogen Production & Pollution Mitigation: Enhanced Gasification of Plastic Waste and Biomass with Machine Learning & Storage for a Sustainable Future",*
8. *Exploring the Role of Local Authorities & Municipalities for taking Advantage of both Recyclable materials and Biowaste",*
9. *Demonstration of an Advanced Technique for Eliminating Coal Mine wastewater (brines) combined with Resource Recovery" AND*
10. *Circulating the E-Waste Recovery from the Construction and Demolition Industries".*

This forum aims to bring together a diverse group of experts, policymakers, and industry leaders to explore the significant issue of sustainable solid waste management and innovative waste management strategies that support zero-waste initiatives and enhance urban development through promotion of safe practices & effective technologies.





## INDUSTRIES INVOLVED

- 1 ENVIRONMENTAL TECHNOLOGY AND INNOVATION
- 2 CIRCULAR ECONOMY
- 3 ENERGY PRODUCTION
- 4 URBAN PLANNING & DEVELOPMENT
- 5 PUBLIC HEALTH AND SAFETY
- 6 SUSTAINABILITY AND ENVIRONMENTAL POLICY
- 7 WATER RESOURCE MANAGEMENT
- 8 INDUSTRIAL AND CHEMICAL ENGINEERING
- 9 WASTE MANAGEMENT AND RECYCLING
- 10 RENEWABLE ENERGY
- 11 DIGITAL TRANSFORMATION & IOT
- 12 CONSTRUCTION AND BUILDING MANAGEMENT
- 13 TRANSPORT AND LOGISTICS
- 14 AGRICULTURAL MANAGEMENT
- 15 EDUCATION AND RESEARCH
- 16 GOVERNMENT AND REGULATORY AFFAIRS
- 17 NON-GOVERNMENTAL ORGANIZATIONS (NGOS)
- 18 FINANCIAL SERVICES AND INVESTMENT
- 19 HEALTHCARE ADMINISTRATION
- 20 TECHNOLOGY AND INNOVATION PROVIDERS



## 01 COMPREHENSIVE INSIGHT

Gain comprehensive insights into cutting-edge waste management and sustainability technologies.

## 02 STRATEGIC NETWORKING

Connect with key stakeholders and form strategic partnerships.

## 03 LEADERSHIP AND INFLUENCE

Position your business as a leader in sustainability and responsible waste management.

## 04 INNOVATION SHOWCASE

Explore innovative solutions and technologies that can be implemented in your operations.

## 05 POLICY IMPACT

Influence and learn about policy developments affecting waste management.

**WHY SHOULD ATTEND?**

### INDUSTRIES INVOLVED

- CEOs & Executives
- Environmental Managers & Sustainability Officers
- Urban Planners & Development Officials
- Waste Management & Recycling Professionals
- Innovators & Technology Providers
- Policy Makers & Government Officials
- Environmental Advocates & NGOs
- Academics & Researchers in Environmental Science
- Community Leaders
- Regional Development Specialists
- Agricultural Waste Managers
- Healthcare Administrators
- Investors & Financial Analysts

### 2020 JOB TITLE BREAKDOWN

25%



**C-Level Executives**

32%



**General Managers**

27%



**Department Heads**

16%



**Senior Executives**

# EVENT PARTNERS



**CLEAN CITIES  
& URBAN DEVELOPMENT  
FORUM 2024**

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# EVENT SPEAKERS



**CLEAN CITIES  
& URBAN DEVELOPMENT  
FORUM 2024**



**Anwar Syahrin Abdul Ajib**  
Managing Director & Group  
Chief Executive Officer  
**Malakoff Corporation  
Berhad**



**Bronwyn Voyce**  
Founder & CEO  
**Civic Futures Lab**



**Dick Van Dijk**  
Chairman  
**Enviro-Pure Foundation**



**Tengku Erina Tengku  
Nasrudin**  
Chief Executive Officer  
**AECA SOLUTIONS**



**Dr Maria Neira**  
Director, Department of  
Environment, Climate  
Change and Health  
**World Health Organization**



**Dato' Hj Ramli Mohd Tahir**  
Managing Director & Board  
Member  
**KDEBWM**



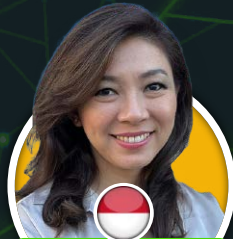
**Sarah Yeoh**  
Director, Climate Change &  
Sustainability Services  
**Ernst & Young Consulting  
Sdn Bhd**



**Dr. Robert Bornhofen**  
Director of Innovation  
**DC Water**



**Hani Abdel Razeq**  
Director of Sustainability  
**AESG**



**Jessica Hanafi**  
Founder & Executive  
Director  
**PT Life Cycle Indonesia**



**Aishah Daniyal**  
Founder  
**Malaysia Zero Emission  
Vehicle Association  
(MyZEVA)**



**Dato' Leong Kin Mun**  
President  
**Malaysia Biomass  
Industries Confederation**



**Hock Aun Khoo**  
Director  
**GROW Centre**  
(Green Renewable Organic  
World Centre Sdn Bhd)



**Saibal D. Chowdhury**  
Co-Founder & CEO  
**Urbanetic**



**Zarina Md Yusuf**  
Senior Principal Assistant  
Secretary  
**Ministry of Housing &  
Local Government**



**Dr. Johnny Chow**  
Chief Sales & Marketing  
Officer & Managing  
Consultant  
**Lean Compass Group**



# EVENT SPEAKERS



**CLEAN CITIES  
& URBAN DEVELOPMENT  
FORUM 2024**



**IMMERGREEN**

**Achmat Nadhrain Ibrahim**  
Chief Executive Officer  
Immergreen Corporation



**ISKANDAR**

**Kamisah Mohd Ghazali**  
Head of Division-Resilient  
Environment  
Iskandar Regional  
Development Authority



**MRD**

**Mahesh Moroney**  
Sr Dy Chief Project  
Manager  
Maharashtra Metro Rail  
Corp Ltd



**SIEMENS**

**Chong Jiin Fei**  
Vice President, Head of  
Promotions, Digital  
Industries  
Siemens Malaysia



**MAREA**

**Roberto Benetello**  
Chief Executive Officer  
Malaysian Recycling  
Alliance Berhad (MAREA)



**DIRD GROUP**

**Aruneem Mazumder**  
Chief Sustainability Officer  
DIRD GROUP



**UTM**

**Prof Dato' Ir Dr Abu  
Bakar Jaafar**  
Research Fellow  
& Founding Director  
UTM Ocean Thermal  
Energy Centre



**DUYTAN**

**Le Anh**  
Sustainability Director  
DUYTAN Recycling



**AUDITASK**

**Ts. Dr Mohd Muzzammil  
Ismail**  
Director  
Auditask



**zero**

**Ricky Fang**  
Founder & CEO  
Zero Waste Solution



**B**

**Dieter Billen**  
Partner  
Roland Berger



**favoriot**

**Dr. Mazlan**  
Co-Founder & CEO  
FAVORIOT Sdn Bhd



**kiwitech**

**Dato' Azrin Abu Bakar**  
Group Managing Director  
Kiwitech Group



**Prime Minister Department**

**Sheriffah Noor Khamseah  
Dato Syed Ahmad Idid**  
Former Special Officer  
to Science Advisor  
Prime Minister  
Department



**Seberang Perai City Council**

**Ahmad Zabri Mohamed  
Sirajudin**  
Director of Urban Services  
Department  
Seberang Perai City  
Council



**MEDIVEST**

**Ts. Abdullah Hashim**  
Chief Executive Officer  
Medivest



**8:30 AM** ● **REGISTRATION & WELCOMING TEA**

**9:00 AM** ● **OPENING NOTE BY THE CHAIRPERSON**

## THEME 1 : HARNESSING SMART TECHNOLOGIES FOR EFFICIENT WASTE MANAGEMENT

Discussion on the integration of smart technologies like IoT and AI in enhancing the efficiency and traceability of waste management processes.

**9:10 AM** ● **SPEAKING SLOT: HOW IOT CAN CONNECT DIFFERENT SMART CITY APPLICATIONS, SIMPLIFY DATA MANAGEMENT, AND IMPROVE UNDERSTANDING AND DISSEMINATION OF INFORMATION**

- *Integrated Systems and Data Management:* IoT unifies various smart city applications into a single platform, enabling seamless communication and streamlined management of urban infrastructure.
- *Real-Time Insights and Decision-Making:* IoT devices provide continuous real-time data collection and analysis, offering comprehensive insights that help city officials make informed, data-driven decisions.
- *Effective Communication and Public Engagement:* IoT facilitates the rapid dissemination of information to the public through digital channels, enhancing communication, community engagement, and public safety.

**SPEAKER:** **Dr. Mazlan**, Co-founder & CEO, **Favoriot Sdn Bhd**

**9:40 AM** ● **FIRESIDE CHAT: LEVERAGING DIGITAL TOOLS FOR EFFECTIVE WASTE MANAGEMENT**

- *How digital transformation, including AI and sensors, is reshaping waste management, focusing on Malaysian and global urban examples.*
- *How can the integration of IoT improve data collection and monitoring in waste management systems?*
- *What role do AI technologies play in optimizing waste collection routes and schedules?*
- *How can blockchain technology enhance transparency and accountability in recycling processes?*

**Moderator:** **Saibal D. Chowdhury**, Co-Founder & CEO, **Urbanetic**

**Panelists:**

- **Tengku Erina Tengku Nasrudin**, Chief Executive Officer, **AECA SOLUTIONS**
- **Dato' Azrin Abu Bakar**, Group Managing Director, **Kiwitech Group**
- **Hock Aun Khoo**, Director, **Green Renewable Organic World Centre Sdn Bhd.**

## THEME 2 : REVOLUTIONIZING SUSTAINABILITY WITH CIRCULARITY AND RECYCLING INNOVATIONS

Dive into the transformative world of circularity where urban and rural landscapes turn waste into wealth through state-of-the-art recycling and repurposing technologies. This session will unravel tactics for slashing material use and amplifying product lifespans, turning the tide towards a fully sustainable future, while also addressing the challenges and innovations in biomedical waste management.

**10:10 AM** ● **SPEAKING SLOT: GROWTH OF WASTE-TO-ENERGY INCINERATORS IN MALAYSIA – CHALLENGES TO SUSTAINABILITY**

*The growing adoption of waste-to-energy plants in Malaysia sparks debate on environmental sustainability, public health, and the need for improved waste management systems.*

**SPEAKER:** **Achmat Nadhrain**, Chief Executive Officer, **Immergreen Corporation**

**10:40 AM** ● **MORNING COFFEE BREAK**

**10:55 AM** ● **FIRESIDE CHAT: SPINNING THE WHEEL OF CIRCULARITY IN DIVERSE SETTINGS**

- *How the principles of the circular economy can be applied across diverse environments to promote sustainability and resource efficiency?*
- *How can businesses be incentivized to design products with end-of-life recyclability in mind?*
- *What are effective ways to integrate circular economy principles into local government policies?*

**Moderator:** **Hock Aun Khoo**, Director, **Green Renewable Organic World Centre Sdn Bhd.**

**Panelists:**

- **Zarina Md Yusuf**, Senior Principal Assistant Secretary, **Ministry of Housing and Local Government**
- **Hani Abdel Razeq**, Director of Sustainability, **AESG**
- **Dr. Mazlan**, Co-founder & CEO, **Favoriot Sdn Bhd**



11:25 AM

**SPEAKING SLOT: STRATEGIC INNOVATIONS IN BIOMEDICAL WASTE MANAGEMENT**

- Strategies for reducing biomedical waste generation at its source within healthcare settings.
- Advancements in treatment and recycling technologies that minimize the hazardous impact of biomedical waste.
- Essential policy enhancements needed to support sustainable biomedical waste management systems.

**SPEAKER: Ts. Abdullah Hashim**, Chief Executive Officer, **Medivest**

**THEME 3 : WASTE-TO-ENERGY SOLUTIONS AND BIOGAS PRODUCTION**

Evaluating the role of Waste-to-Energy (WtE) facilities and Biogas production in sustainable urban development, discussing technological advances, environmental and health implications, and the transformation of organic waste into renewable energy.

11:55 AM

**SPEAKING SLOT: RISING TREND OF WASTE-TO-ENERGY INCINERATORS IN MALAYSIA RAISES SUSTAINABILITY CONCERNS**

*Growing adoption of waste-to-energy plants in Malaysia, despite environmental and health concerns over pollution, inadequate waste segregation, and potential exportation of waste issues to developing countries*

**SPEAKER: Ricky Fang**, Founder & CEO, **Zero Waste Solution**

12:25 PM

**PANEL DISCUSSION: THE ROLE OF WASTE-TO-ENERGY IN URBAN AND RURAL SUSTAINABILITY**

- The benefits and challenges of implementing WtE solutions, including emissions control and energy recovery, in different settings.
- What are the latest innovations in Waste-to-Energy technology that are proving most effective?
- What are the challenges and opportunities of integrating Waste-to-Energy solutions in urban waste management systems?

**Moderator: Dieter Billen**, Partner, **Roland Berger**

**Panelists:**

- **Anwar Syahrin Abdul Ajib**, Managing Director & Group Chief Executive Officer, **Malakoff Corporation Berhad**
- **Achmat Nadhrain**, Chief Executive Officer, **Immergreen Corporation**
- **Dato' Leong Kin Mun**, President, **Malaysia Biomass Industries Confederation**
- **Dato' Hj Ramli Mohd Tahir**, Managing Director & Board Member, **KDEBWM**

13:10 PM

**NETWORKING LUNCHEON & PRAYER**

14:30 PM

**PANEL DISCUSSION: NAVIGATING CARBON NEUTRALITY: STRATEGIES FOR EFFECTIVE CO2 REDUCTION**

- Effective methods for reducing carbon emissions in waste management, including carbon capture and storage and renewable energy integration.
- Implementation of carbon capture and storage technologies.
- Integration of renewable energy sources into waste management processes.
- Examining the processes and benefits of biogas technology as a sustainable solution to organic waste management.
- Nuclear Power's Role in CO2 Reduction

**Moderator: Aishah Daniyal**, Founder, **Malaysia Zero Emission Vehicle Association (MyZEVA)**

**Panelists:**

- **Sheriffah Noor Khamseah Dato Syed Ahmad Idid**, Former Special Officer to Science Advisor, **Prime Minister Department**
- **Jessica Hanafi**, Founder & Executive Director, **PT Life Cycle Indonesia**
- **Hock Aun Khoo**, Director, **Green Renewable Organic World Centre Sdn Bhd.**

15:15 PM

**SPEAKING SLOT: ENGAGING LOCAL COMMUNITIES IN WASTE REDUCTION**

- Strategies and case studies on enhancing community participation in sustainable waste management practices.
- What incentive programs can be most effective in encouraging households to participate in waste reduction initiatives?
- How can digital platforms and social media be leveraged to promote waste reduction campaigns?
- What partnerships can be formed between local governments and NGOs to facilitate community-led waste management projects?

**SPEAKER: Mahesh Moroney**, Sr Dy Chief Project Manager, **Maharashtra Metro Rail Corp Ltd**





## THEME 4 : COMMUNITY EMPOWERMENT AND POLICY SYNERGY FOR ZERO WASTE INITIATIVES

Emphasizes the role of community action strengthened by effective government policies in achieving zero waste and net zero emissions goals, promoting a holistic approach to sustainable waste management.

15:45 PM

### PANEL DISCUSSION: **ADVANCING TOWARDS ZERO WASTE: THE ROLE OF POLICY AND COMMUNITY COLLABORATION**

The intersection of community initiatives and government policies in achieving zero waste goals. It will explore how strategic policy frameworks can support community-led efforts to reduce waste to landfill and advance towards net zero emissions.

- *Insights into successful community programs aimed at achieving zero waste, including the reduction of single-use plastics and enhancing recycling systems.*
- *How communities, supported by governmental policies, are driving the reduction of greenhouse gas emissions through innovative waste management and energy recovery practices.*
- *How specific policies are designed to empower communities in achieving zero waste and net zero targets, including financial incentives, infrastructural support, and regulatory reforms.*
- *How successful global strategies, community-driven practices, and supportive policies for achieving zero waste.*

**Moderator:** **Jessica Hanafi**, Founder & Executive Director, **PT Life Cycle Indonesia**

#### Panelists:

- **Ts. Dr Mohd Muzzammil Ismail**, Director, **Auditask**
- **Mahesh Moroney**, Sr Dy Chief Project Manager, **Maharashtra Metro Rail Corp Ltd**
- **Sarah Yeoh**, Director, Climate Change & Sustainability Services, **Ernst & Young Consulting Sdn Bhd**
- **Kamisah Mohd Ghazali**, Head of Division-Resilient Environment, **Iskandar Regional Development Authority**

16:30 PM

### SHORT SHARING: **BUILDING SUSTAINABLE CITIES FOR A HEALTHIER PLANET**

A brief and impactful video message from Dr. Maria Neira, Director of the Department of Environment, Climate Change & Health at the World Health Organization. Dr. Neira will share advice on improving urban waste management, enhancing energy efficiency in buildings, reimagining public transportation, and reducing the carbon footprint of health systems, emphasizing actionable solutions for a sustainable future.

**SPEAKER:** **Dr Maria Neira**, Director Department of Environment, Climate Change & Health, **World Health Organization**

16:40 PM

### **EVENING TEA BREAK & NETWORKING | END OF CCUDF DAY 1**





**8:30 AM ● REGISTRATION & WELCOMING TEA**

**THEME 5 : INNOVATING URBAN SYSTEMS AND SUSTAINABLE PRACTICES**

This session focuses on advancing eco-smart practices and sustainable urban development. Key topics include optimizing land and resource use in cities, minimizing waste, leveraging technology for efficient urban planning, and enhancing green spaces.

**9:15 AM ● SPEAKING SLOT: OPTIMIZING URBAN SYSTEMS AND PROCESSES FOR A SUSTAINABLE AND LIVEABLE CITY**

- *Strategies for efficiently using land, human capital, infrastructure, housing, energy, water, and food stocks.*
- *Techniques for minimizing waste creation and maximizing resource reuse.*
- *Leveraging data-driven and technological solutions for urban planning.*
- *Approaches to maintaining a clean and green urban environment.*
- *Enhancing connectivity and smart technologies to improve urban living and commerce.*
- *Balancing resource consumption with waste production to ensure long-term sustainability.*

**SPEAKER: Saibal D. Chowdhury**, Co-Founder & CEO, **Urbanetic**

**9:45 AM ● FIRESIDE CHAT: STRATEGIES FOR SUSTAINABLE PRODUCTION**

An exploration with pioneers advancing sustainability in production, examining collaborative efforts to foster widespread industry changes.

- *Initiatives to ensure sustainability throughout the supply chain.*
- *Challenges and solutions in integrating new technologies.*
- *Real-world examples of successful sustainability integration.*

**Moderator: Ts. Dr Mohd Muzzammil Ismail**, Director, **Auditask**

**Panelists:**

- **Aruneem Mazumder**, Chief Sustainability Officer, **DIRD GROUP**
- **Dr. Johnny Chow**, Chief Sales & Marketing Officer & Managing Consultant, **Lean Compass Group**
- **Le Anh**, Sustainability Director, **DUYTAN Recycling**

**10:20 AM ● MORNING COFFEE BREAK**

**10:35 PM ● SPEAKING SLOT: STRATEGIES FOR IMPROVING WASTE SEGREGATION, RECYCLING, AND REDUCTION, WITH A FOCUS ON REDUCING FOOD WASTE AT THE SOURCE IN URBAN SETTINGS**

- *Enhancing Cost-Effectiveness In Solid And Food Waste Management*
- *Collaborative approaches involving municipalities, waste management companies, and community organizations to optimize waste and food waste logistics and processing.*

**SPEAKER: Prof Dato' Ir Dr Abu Bakar Jaafar**, Research Fellow & Founding Director, **UTM Ocean Thermal Energy Centre**

**THEME 6 : SHAPING THE FUTURE OF MUNICIPAL WASTE MANAGEMENT : INNOVATIVE PATHWAYS TO SUSTAINABLE CITIES AND COMMUNITIES**

Addressing the complexities of managing municipal waste, focusing on new technologies, efficient disposal systems, safety, and sustainable practices.

**11:05 AM ● FIRESIDE CHAT: TRANSFORMING MUNICIPAL SOLID WASTE MANAGEMENT FOR FUTURE CITIES AND RURAL AREAS**

The integration of advanced systems in managing municipal solid waste, emphasizing the interplay between innovative technology, community engagement, and regulatory frameworks.

- *How integrated waste management systems can address the unique needs of urban and rural areas.*
- *Examining regulatory compliance and policy frameworks that facilitate effective waste management.*

**Moderator: Aruneem Mazumder**, Chief Sustainability Officer, **DIRD GROUP**

**Panelists:**

- **Prof Dato' Ir Dr Abu Bakar Jaafar**, Research Fellow & Founding Director, **UTM Ocean Thermal Energy Centre**
- **Ricky Fang**, Founder & CEO, **Zero Waste Solution**
- **Kamisah Mohd Ghazali**, Senior VP – Environment Department, **Iskandar Regional Development Authority**

**11:35 AM ● SPEAKING SLOT: ACCELERATING THE CIRCULAR ECONOMY EFFORTS FOR SUSTAINABLE TRANSITION IN WASTE MANAGEMENT**

- *What are the challenges and emerging trends in achieving circularity?*
- *How reality checking can help charting a right path?*
- *Where are we in realisation of technology and innovations?*

**SPEAKER: Hani Abdel Razeq**, Director of Sustainability, **AESG**



12:05 PM

**SPEAKING SLOT: EXTENDED PRODUCER RESPONSIBILITY: DRIVING CIRCULARITY, ENHANCING MARKETS FOR SECONDARY PACKAGING MATERIALS, AND PROMOTING ENVIRONMENTALLY FRIENDLY PACKAGING SOLUTIONS.**

**SPEAKER:** Roberto Benetello, Chief Executive Officer, Malaysian Recycling Alliance Berhad (MAREA)

12:35 PM

**NETWORKING LUNCHEON & PRAYER**

## THEME 7: WASTEWATER MANAGEMENT

Showcasing advanced wastewater treatment technologies and management strategies that help in the reduction of pollutants and conservation of water resources.

13:50 PM

**SPEAKING SLOT: SUSTAINABLE WASTEWATER MANAGEMENT**

A discussion with leaders who are pioneering sustainability in production, exploring collaborative efforts to foster industry-wide changes.

- Exploring effective strategies for wastewater management that are adaptable to both urban and rural contexts.
- What are the benefits of implementing green infrastructure projects like bio-swales and rain gardens in urban wastewater management?

**SPEAKER:** Dick Van Dijk, Chairman, Enviro-Pure Foundation

14:25 PM

**SPEAKING SLOT: ACCELERATING SUSTAINABILITY IN WATER INDUSTRY**

**SPEAKER:** Chong Jjin Fei, Vice President, Head of Promotions, Digital Industries, Siemens Malaysia

## THEME 8: ADVANCED RECYCLING AND INTEGRATED SUPPLY CHAIN SOLUTIONS FOR WASTE REDUCTION

This revised theme name emphasizes not only the technological aspects of waste management but also highlights the critical role of integrated supply chain processes in achieving effective waste reduction and recycling outcomes.

14:55 PM

**FIRESIDE CHAT: WASTE MANAGEMENT AND RECYCLING WITH ADVANCED SOLUTIONS**

This panel will explore the integration of technologies in waste management and recycling processes, including methods for the safe collection, tracking, and sorting of recyclables, as well as the challenges of recycling critical and complex materials.

**Moderator:** Hani Abdel Razeq, Director of Sustainability, AESG

**Panelists:**

- Roberto Benetello, Chief Executive Officer, Malaysian Recycling Alliance Berhad (MAREA)
- Aruneem Mazumder, Chief Sustainability Officer, DIRD GROUP
- Le Anh, Sustainability Director, DUYTAN Recycling

15:40 PM

**AFTERNOON COFFEE BREAK**

15:55 PM

**SPEAKING SLOT: DC WATER/WASHINGTON DC, USA**

Approximately one-third of Washington, DC, is served by combined sewers handling both sanitary and storm water. For over 125 years, combined sewer overflows (CSOs) have polluted local rivers. DC Water's Clean Rivers Project aims to reduce these outflows with 29 kilometers of underground storage and green infrastructure, delivering environmental, social, and economic benefits. This paper highlights current efforts to create a resilient, sustainable solution for cleaner waterways, benefiting both the environment and the local community.

**SPEAKER:** Dr. Robert Bornhofen, Director of Innovation, DC Water

16:25 PM

**SPEAKING SLOT: UNLOCKING THE POWER OF VALUE-CHAIN COLLABORATION: GLOBAL INSIGHTS FOR ACHIEVING CIRCULARITY AND NET ZERO**

This closing keynote will delve into how unlocking the potential of value-chain collaboration, supported by global best practices, can significantly advance circularity and accelerate the journey towards Net Zero. Through real-world examples and actionable insights, the session will demonstrate how strategic partnerships across the supply chain are essential for driving sustainable innovation and achieving clean cities and sustainable urban development outcomes.

**SPEAKER:** Bronwyn Voyce, Founder & CEO, Civic Futures Lab

16:55 PM

**END OF CCUDF 2024**