GREEN TECHNOLOGY Conference 2018

Redefining and upping the green tech game for a net zero building operation and all-encompassing sustainability

14 & 15 May 2018 | Berjaya Times Square Hotel, KL

Received 20 CCD Point from Lembaga Pembangunan Industri Malaysia (CIDB) Ref. No. CIDBWP/C/2018/0148
Received 8 CDP Hours from Suruhanjaya Tenaga Ref. No. ST(IP/PPTKP/DSM)16/35/11
Received 8 CPD Point from Green Building Index

FEATURES & BENEFITS

- Technology and Innovation – Update your knowledge on best practices and practical solutions to green transformation through technology and innovation as enablers for green growth and sustainable business.
- Green Financing – Learn how Green Technology Financing Scheme (GTFS) and Tax Incentives enabling easy access to financing, empowering emerging green businesses, and reducing risks for financial institutions as well as business and industry.
- Low Carbon Communities – Meet and discuss recent developments on the concept of sustainable cities for municipalities to enable sustainable lifestyle toward low carbon cities and sustainable consumption.
- Green Catalysts – Network with businesses, leaders and experts in the field.

COMFORI

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BACKGROUND OF THE PROGRAM

In line with Malaysia's goal to become an inclusive and sustainable advanced nation by 2020, Green Technology (GT) has been identified as one of the drivers of the future economy for the nation that would contribute to the overall Green Growth and Sustainable Development. Under the National Green Technology Policy, the cross-sectoral GT focuses on four sectors namely energy, building, waste management and transportation. Aim to be the green technology hub, Malaysia is probably leading the region in an effort towards adopting green technology, encouraging Malaysians towards a green lifestyle resulting in a vibrant local green economy.

Under the watchful eye of the Malaysian Green Technology Corporation (GreenTech Malaysia), various efforts are made to lead the nation's green technology landscape through impactful projects under its four flagships; the Green Malaysia Plan, Green Procurement, Electric Mobility and Sustainable Living. The Green Technology Master Plan (GTMP), which was officially launched October last year also proves Malaysia's government ambitious strategic plan to create a resource-efficient economy with significantly lower carbon emissions. According to the Energy, Green Technology and Water (KeTTHA) Minister, Datuk Seri Maximus Johnity Ongkili, the plan aims to boost growth of Malaysia's green technology sector, with targeted revenue of RM180 billion, while creating more than 200,000 green jobs by 2030. It lays the foundation for a holistic shift in Malaysia's approach to socio-economic development, while adhering to the principles of sustainability.

Supporting the nation's agenda, the **Green Technology Conference (GTECH) 2018** will address fundamental topics on sustainable solutions and innovations in the key sectors of green technology, encompassing Green Building as its central focus, alongside Green Energy, Waste Technology & Management and Water Technology & Management as other important elements. The conference furthermore looks into the overall outlook and opportunities in the Malaysian renewable energy & green technology industries, policies, objectives and impacts.

KEY ISSUES TO BE ADDRESSED AT THIS CONFERENCE

GTECH 2018 will engage key industry players and attendees in discussions, learning sessions and success stories of green action plans adoption within their area of jurisdiction, especially companies from the building sector in being more energy-efficient and consequently achieving Net Zero Energy, thus contributing to the reduction of nation's greenhouse gas emissions. It covers significant aspects on energy efficiency methods, health and wellbeing, and green financing such as:

- The road ahead toward green buildings in low carbon cities in Malaysia
- The importance of considering energy options at concept stage
- Green money for green ventures – Green Technology Financing Scheme (GTFS)
- Case studies on sustainable energy efficiency management, green and sustainable construction, and sustainable and green city
- Planted buildings: Is this the future of our cities or just an eco-fantasy?
- Tax incentives for green industry
- The substantial connection between thermal comfort and productivity in Green Buildings
- HVAC and lighting efficiency in commercial buildings
- Water technology and management
- Alternative technology for municipal solid waste (MSW) management
- The future of solar energy and battery energy storage for grid support applications

WHO WILL YOU MEET

This conference is specifically tailor made for top decision makers, MDs, C-Suite Executives, VPs, GMs, HODs, City Mayors, and City Government Officials of the following departments:

- Building and Infrastructure Technologies
- Building and Property Management
- Asset and Facilities Management
- City, Town and Country Planning
- Energy Management
- Engineering – Civil, Mechanical and Electrical
- Environmental and Energy Conservation and Strategy
- Land and Administration
- Project Management
- State Authorities
- Statutory Planning
- Sustainability Development
- Urban Design and Architecture
- Urban Infrastructure Planning and Development

FROM:

- Architecture and Design
- City Planning Municipalities/Councils
- Construction and Property Development
- Infrastructure Development
- Public Work
- Urban Wellbeing and Housing

SPEAKER PROFILE

Zabidah Daud

Zabidah Daud joined the Malaysian Investment Development Authority (MIDA) in 1996 and currently serves as Senior Deputy Director of Green Technology Division.

She has worked in various divisions including Services and Industries Divisions (as well as resource and non-resource based industries - Minerals & Paper Industries Division, Agro-based Industries Division and Chemical & Advanced Material Division), as Director in MIDA Penang and MIDA Paris (France, Spain, Portugal & Monaco) covering promotion strategy and manufacturing & services growth where she played a significant role to promote investments into Malaysia.

Throughout her career in MIDA has provided her the opportunity to be part of the country's industrial and services development and has extensive experience in the international business as well as a broad understanding of the development of the manufacturing and services sectors in Malaysia. She has also been a part of the team formulating policies and strategies for the Third Industrial Master Plan (IMP3) and the Eleventh Malaysia Plan (RMK-11).

Tan Chin Hong

Chin Hong graduating with a degree of Environmental Science and Management from University of Malaya.
He soon entered the Environmentally Sustainable Design consultancy field, driven by his passion in architecture and sustainability for the Built Environment.

Since 2011, he managed several GBI and Green Mark certification projects for various types of building such as residential, both high rise and landed types, office buildings, hotel and mix developments mainly in the KLCC area.
In 2014, he accomplished the first Green Mark Re-certification of a First Green Non-residential Building in Malaysia. Total handled 7 projects with worth of total RM1.6 Billion project cost, which mainly are WKL Hotel and residences, Menara Binjai, IB Tower and GTower.

In 2015, decided to take on new challenge and expanding expertise by joining Carrier Singapore. Therefore beside built environment, also experienced in HVAC system of buildings.

Chin Hong is a qualified Green Mark Manager from BCA Singapore and has been with IEN Consultants since May 2017. Currently working on KLECO City Projects and Bangsar 61 Office Tower.

Ir. Mohamad Adan Yusof

Ir. Mohamad Adan Yusof worked for the national utility of Malaysia (Tenaga Nasional Berhad – TNB) for a total of 13 years (1984-1997) starting in the operations and maintenance of transmission and distribution network (1984-1988) looking after electrical transmission and distribution systems from 275kV to 11kV systems. The experience from the operation was used effectively in the planning and development of power systems when he was attached to the development and planning department. Power generation systems, transmission system and major load centers are simulated in computer programs to evaluate the best option for reinforcement or expansion. System performance such as dynamic stability, transient stability and short circuit levels are evaluated for each of the possible development option, particularly the selection of power generation assets. He has experience in the economic operation of the overall power system when he worked at the systems operations department where the merit order generation decides which of the plant is most efficient and most appropriate to be generating the power for the load at the moment. Load profile of the system was monitored and system load factors are regularly established for different weather conditions so as to ensure the most optimal power system operations.

Later, Mohamad Adan Yusof served the government of Malaysia in the Economic Planning Unit of the PM's department as a specialist Power System Economist to assist in the policy development and implementation of power development program for Malaysia. Over the years, he gained experienced in other countries as consultant in the energy sector covering conventional technologies and renewable energy technologies. Ir Mohamad Adan Yusof has up to date knowledge on alternative energy solutions which he combined with conventional power system experience to arrive at a sustainable power supply and distribution options. Mohamad Adan had been engaged by international and multi-lateral organizations such as United Nations Development Program (UNDP – Chief Technical Advisor for the Biogen Malaysia project), Asian Development Bank (ADB – Energy Economist and team leader for waste to energy project in Indonesia), Danish Energy Management (Renewable Energy and Energy Efficiency consultant), Hewlett Packard (Energy Cost Optimization consultant).

He has hands on experience in developing innovative renewable energy solutions and has participated in many international conferences as speaker on alternative energy commercialization. Through his work in Mensilin Group, Mohamad Adan has managed to conceptualize a number of waste to energy projects that mainstream the alternative energy into industrial applications. Mensilin Green Energy Sdn Bhd is also certified as an innovative company. His hands on experience include the facilitation of loans for alternative energy, renewable energy and energy efficiency and helped to establish the Renewable Energy Business Fund (REBF) in the Malaysian development Bank designed to support the implementation of model scale projects in Malaysia. With his experience in the financial sector, Mohamad Adan has provided services for techno economic assessment to evaluate projects for investors and financial institutions.

SPEAKER PROFILE

Ana Jovanovic

Ana is a Master in environmental engineering, and a cause driven and environmentally awaken person. She started her journey in the non-profit sector at the age of 22 and developed 10 years long career in social businesses and NGOs. Throughout the years, she developed her skills in program development, organizational processes and human resources.

Ana started her career in the solar industry as a COO of a solar company in Malaysia and was responsible for the Feed in and NEM tariff implementation for residential, commercial and industrial projects. She established the syllabus for one of the first solar academies in Kuala Lumpur which was responsible to train 100 Orang Asli students in area of technical solar business.

Ana is a non-formal education trainer in area of environmental protection, training and project management. She is currently working as a freelance consultant for standalone systems and the adviser for various start-up solar companies. Ana lived in Serbia, Slovenia, Italy, and is now based in Kuala Lumpur, Malaysia.

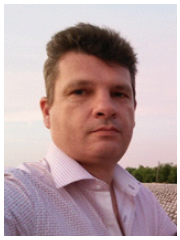
Ir Haji Ahmad Fatani Haji Abdul Rahman

Ir Haji Ahmad Fatani Haji Abdul Rahman has more than 20 years working experience in process control and building automation, project execution, plant start-up and commissioning, maintenance, process safety, safety & risk management, waste water treatment plant and auditing in multi-disciplined of plant, plant turnaround, upgrade and new plant plus energy management system and facilities management system.

He is a Senior Consultant with Faqeh Management and Faqeh Runding. He is one of the trainers for AEMAS Certified Energy Manager (CEM) and a lead assessor for AEMAS – Energy Management Gold Standard (EMGS). He is the Managing Director for Hydrocore Chemical Engineering Solution Sdn Bhd Consulting.

Ir Haji Ahmad Fatani has hands on experience as a consultant and internal and external auditors on energy, energy management system, building automation control, process control, asset management, waste water treatment plant, internal auditor, developing and implementing ISO 9001, ISO 14001, OHSAS 18001, RC 14001, PROCESS SAFETY MANAGEMENT SYSTEM (PSM), Facility Set-Up (PASS 55) and ENERGY MANAGEMENT SYSTEM (AEMAS Standard –EMGS and ISO 50001).

Ir Haji Ahmad Fatani also has excellent capabilities in both Safety Hazard Operation (HAZOP) and Hazard Design (HAZID), Process Hazard Analysis (PHA), Mechanical Hazard Analysis (MHA), Mechanical Integrity (MI), Safety Interlock Level (SIL) calculation, Process Alarm Management (PAS)-the critical safety elements in manufacturing plant and deep experience in "MANAGEMENT OF CHANGE (MOC); a systematic troubleshooting data handling to ensure (continuous) plant's efficiency plus design and built waste water treatment plant for industries.



Duncan Roderick

Duncan Cave is a Programme Manager at Think City Sdn Bhd, a community based urban regeneration organisation fully owned by Khazanah Nasional. Think City aims to deliver long term holistic solutions, working closely with local councils, local and international agencies, and various communities, building effective partnerships and enhancing capacity along the way.

Duncan works within the Partnerships unit of Think City which is aiming to build a nationwide movement of urban regeneration through a series of programmes such as capacity building courses for city makers, the free Think City Talks which bring experts in urban issues to Malaysia, and outreach to students and professionals with programmes such as Think Squad which encourage future city makers to become involved with Think City projects on the ground engaging with communities.

Think City believes strongly in evidence based planning, and engages with as many diverse groups as possible to enable the organisation to have holistic views of issues, and understand the impacts, both positive and negative on all stakeholders.

Mohd. Hafizam Mustaffa

Mr. Hafizam graduated with a Bachelor of Engineering in Electrical & Electronics from Universiti Sains Malaysia, Penang. He first started his career as Research Officer with Universiti Sains Malaysia. He then worked under the State Government of Melaka with Manufacturing Technology Division, Melaka Chief Minister Department and Small Medium Industries Division. In 2010, he continued his career with Melaka Green Technology Corporation until now.

Mr. Hafizam has over 7 years of experience working in the Green Technology, specializing in Policy Development, Green Governance, Carbon Inventory, Energy Efficiency and Smart City. He developed interest in this area through his involvement in strategies and developing green agendas at state government, federal as well as regionally. Currently Mr. Hafizam is the Head of Operation in Melaka Green Technology Corporation, which he joined since 2010.

SPEAKER PROFILE

Philip Reidy

Mr. Reidy is a Principal engineer based in Geosyntec's Kuala Lumpur, Malaysia office. He holds a Master's Degree in Geotechnical Engineering from Northeastern University in Boston, Massachusetts and his nearly 30 year career has spanned a broad range of geotechnical, stormwater, and environmental engineering experience in the US and abroad. He is a registered Professional Engineer (P.E.) in the U.S. and has supported the legal industry with forensic analysis and expert witness testimony in litigation associated with the failure of large-scale underground harvesting structures.

Mr. Reidy is an industry leader in the design and construction of green infrastructure and sensor networks for monitoring and control of distributed stormwater and environmental management systems.

Dr. Nor Shahrene Mohd Ibrahim

Dr. Nor Shahrene Mohd. Ibrahim is currently the Senior Superintendent Architect, of Environment and Energy Efficiency Branch at Public Works Department of Malaysia (JKR). She has been working with JKR since 1993.

Dr. Shahrene's responsibilities include in the areas of Technology & Innovation, Energy Efficiency & Sustainable Design, Building Performance Analyses Reports and Ecotect Training. She had won Gold Medal in Malaysia Technology Expo 2014, Silver Medal & Best Award (Thai) in Geneva Invention 2015 and Bronze Medal in iTEX Malaysia 2015. She has conducted numerous Ecotect Training for companies such as Lembaga Perlabuhan Johor, Lembaga Getah Malaysia, Hospital Parit Buntar, Universiti Putra Malaysia, EcoEnergy Consultants, Pusat Tenaga Malaysia and LI & Zainal Engineering.

Dr Shahrene holds a Doctor of Philosophy of Architectural Studies from Universiti Putra Malaysia, Masters of Science in Architecture: Environmental Design of Building from Cardiff University, Cardiff, Wales, UK and Bachelor of Architecture from Syracuse Universit, Syracuse, New York, USA. She is a Certified MyCREST Auditor.

Mitch Gelber

Mitch Gelber has worked with issues of architectural design and sustainability in both Asia and North America. He holds a Bachelor of Arts degree in Urban Design from Columbia University in New York and a Masters of Architecture from the University of British Columbia in Vancouver, Canada.

Gelber is an active member of Malaysia's Green Building Index (GBI) Technical Committee, a GBI Certifier and a lecturer at the University of Malaya, School of Architecture. As the founder of YIDesign Green Buildings, Gelber consults on building and planning projects both within Malaysia and abroad. Originally from the United States, he has been based in Malaysia since 2007.

BK Sinha

BK Sinha has over 30 years experience in Project Management, Building Services and Waste to Energy project development and management. The combination of his experience and wealth of knowledge is fueled by his deep-rooted passion for the emergence of truly sustainable developments in this country.

BK Sinha is the Founder and Director of C2C Project Managers Sdn. Bhd. (www.c2cpmc.com) – Consultants for Sustainable Projects and Practices, that comprises four clusters, namely Cleantech, Policy, Awareness and Carbon Management. Specialized in a unique style of integrated design management (IDM), providing sustainable project development and management, where he applies 'green' concepts and disciplines to traditional projects, resulting in buildings and infrastructure with benefits of sustainable developments.

He holds a tenacious belief in a holistic approach of all stakeholder inclusivity that he applies to all his projects. Sinha is respected as a thought leader and mentor in many notable sustainable projects in Malaysia, Maldives, India and Vietnam.
He is passionate about the environment and endeavors to create sustainable communities. As project managers in the construction industry and taking into account that the built environment accounts for 40 percent of all waste worldwide, he holds personal the task and responsibility to contribute towards making sustainable buildings and infrastructure in Malaysia the norm rather than the exception. He has been consistently involved in capacity building for LCA of building materials with the MGBC.

Education and Credentials

- Degree in Mechanical Engineering - Delhi College of Engineering (Delhi University, India)
- Masters in Advanced Energy and Environmental Science - University of East London, UK (at final thesis stage)
- Accredited Green Building Index Facilitator (GBI) Malaysia (pioneer batch)
- Green Star Accredited Professional (Australian Green Building Council)
- Board member Malaysian Green Building Confederation (MGBC) 2011-2014
- Co-chair Research Committee Malaysian Green Building Confederation (MGBC) 2013-2017
- Member of critic panel for Masters students in Faculty of Built Environment , Universiti Malaya
- Vice Chair, WorldGBC, Asia Pacific Network (APN) 2017-2019

SPEAKER PROFILE

Dr. Mohammad Mahbubi Ali

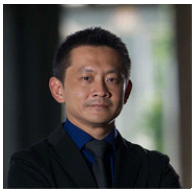
Dr. Mohammad Mahbubi Ali is head of economics, finance, awqaf and zakat unit cum research fellow at the International Institute of Advanced Islamic Studies (IAIS) Malaysia. He also serves as a Shariah committee member of Affin Islamic Bank. Previously, he was a researcher at the International Shari'ah Research Academy for Islamic Finance (ISRA). During his stint at ISRA, he had contributed to numerous ISRA's research publications, mainly involving in the drafting of BNM Shari'ah Standards. He also served as Shariah consultant for ZICO Shariah Advisory Bhd and Roosdiono & Partners, Jakarta. He was a lecturer at the University of Kuala Lumpur and Unitar International University.

In his young age, he has managed to contribute extensively to Islamic finance through his regular writings featured in the Islamic Finance News (IFN), Business Islamica, The General Council for Islamic Banks and Financial Institutions (CIBAFI), New Straits Times and many others. He has published numerous articles in international and local referred academic journals, written several book chapters and presented a number of papers in various international conferences. His paper entitled: "A Framework of Income Purification for Islamic Financial Institutions," co-authored with Dato' Dr. Asyraf Wajdi Dusuki and Lokmanulhakim Hussain, was conferred best paper presentation in Sharia Economics Conference, University of Hannover, Germany, 2013. He received a PhD in Islamic Banking and Finance from the IIUM Institute of Islamic Banking and Finance, Malaysia. He holds a bachelor degree in Shari'ah Business and Financial Management from the Islamic Business School, Tazkia Indonesia and Chartered Islamic Finance Professional (CIFP) from INCEIF, The Global University in Islamic Finance, Malaysia.

Chin Soo Mau

Mr. Chin Soo Mau is a President of the Malaysian Photovoltaic Industry Association (MPIA) for the 2017/18 term. He was the Vice-President of the MPIA from 2013-2016 and has been an active member since 2010. He has been involved in the solar PV business for many years and his knowledge and field experience have prompted the Malaysian Government to tap his expertise in policy-related planning, such as: Member of Working Group on Malaysia Solar Roadmap (MSR) 2016-2030; Member of Technical Committee of Malaysian Standards on Renewable Energy (TC RE); Resource Person of Energy Storage System (ESS) Project for Malaysia.

Mr. Chin Soo Mau holds a Higher National Diploma in Electrical Engineering, United Kingdom; Competent Certificate of Grid-Connected Photovoltaic Systems Designer; Competent Certificate of Off-Grid Photovoltaic Systems Designer, and Sustainable Energy Development Authority (SEDA) registered Service Provider and International Sustainable Power Quality-accredited PV Systems Design Competency Certificates.
He is Group Managing Director of PEKAT group of companies that holds: Pekat Solar Sdn. Bhd; Pekat Engineering Sdn Bhd; Pekat Engineering Sdb Bhd; Pekat E&LP Sdn Bhd.



Lionel Yap

Having spent more than 10 years in the solar industry in Malaysia, Lionel has the experience of being able to bridge ground level project work and high level national and regional policy discussions and implementation. His understanding and input comes from field work experience, giving him (the fortunate 'happenstance') to see a wide spectrum of what is involved in business and the policies that make or break the it.
Below are a list of the highlights of his work involvement :

Year 2016

- Oxford Business Group Interview for the solar energy out look for Malaysia and ASEAN and its economic impact on national and regional economies 2016 German Trade & Invest briefing for possible
- German investments into Malaysia the form of Foreign Direct Investment (FDI) or joint ventures (JVs) (April 2016)
- Indonesian Governmental Heads of Department Visit, part of organising/ hosts for national implementation of solar energy adoption for Indonesia, sharing the Malaysian experience (August 2016)
- Represented Malaysia delivering a presentation entitled 'Decentralised Energy Supply in Malaysia' in Munich, Germany
- Organising committee for International Green Expo Malaysia*
- Meeting with the Asia Photovoltaic Industry Association (APVIA) for the
- harmonisation of ASEAN and China standards for Solar Energy implementation (October 2016)

Year 2017

- 7 February – Meeting to discuss the potential collaboration with Officer to YB Elizabeth Wong, Mr. Adrian Yeo from the State Economic Planning Unit for implementation of greentech at the state level.
- Policy & procedure course adjustment & recommendations for Net Energy Metering

Year 2018

- Risk Mitigation workshop to achieve financial close of Large scale Solar Projects
- 2 year study in conjunction with BSW (German Solar Association) to map the next phase of solar development for Malaysia (on going)
- Continuous Meetings with the KETTHA, Suruhanjaya Tenaga, Sustainable Energy Development Authority on Green Energy implementation.

May
14

SCHEDULE OF EVENT

8.00 am – 8.30 am
Registration & Networking Breakfast

8.30 am – 8.45 am
Conference Opening:
Welcoming Address by Organizer

8.45 am – 9.00 am
Opening speech by Chairperson

9.00 am – 9.45 am
Session 1:
Green and Sustainable Construction by JKR Malaysia
- Actions and strategies that JKR has adopted towards sustainable construction
- JKR's Sustainability and Green Mission 2.0 under JKR's Strategic Plan 2016-2020 – supporting Malaysian government's effort towards National Sustainability goals and targets
- Taking the nation one step closer towards near zero energy buildings and the reduction of CO2 emissions

Speaker: ***Dr. Nor Shahrene Mohd Ibrahim***, Senior Superintendent Architect, Environment and Energy Efficiency Branch, ***Public Works Department of Malaysia (JKR)***

9.45 am – 10.30 am
Session 2:
A look at Solar Development and the Potential for Tomorrow
- Brief History of PV in Malaysia
- Why Solar?
- Feed IN Tariff - Net Energy Metering - Self Consumption - Large Scale PV
- The Future : Emerging technologies

Speaker: ***Lionel Yap,*** Head, Secretariat, ***Malaysian Photovoltaic Industry Association (MPIA)***

10.30 am – 11.00 am
Networking Coffee

11.00 am – 11.45 am
Session 3:
Melaka City – Pioneering sustainable and green city project in becoming a Green Technology state by 2020
- Concrete actions on waste and water management, energy efficiency as well as green transportation – the first state to provide greenhouse gas emissions inventory and to implement an action plan to resolve climate change
- Increased number of energy efficient buildings through energy performance contracts (EPC)
- Installation of over 300,000 smart meters under the Smart Grid Melaka Project in addition to the two existing solar farms with a total capacity of 13 megawatt
- Electric buses fleet expansion plans
- Hang Tuah Jaya Green City project to be the state's first full-fledged green city

Speaker: ***Mohd Hafizam Mustaffa***, Deputy CEO, ***Melaka Green Technology Corporation (PTHM)***

11.45 am – 12.30 pm
Session 4:
A Journey in Sustainable Energy Efficiency Management
- Energy Management Efficient Management and Control System
- Story 1 : Hospital
- Story 2 : Commercial Building
- Story 3 : Industries

Speaker: ***Ir Haji Ahmad Fatani Haji Abdul Rahman***, Senior Consultant, ***Faqeh Management***

12.30 pm – 2.00 pm
Networking Lunch

2.00 pm – 2.45 pm
Session 5:
Innovation in Flood Mitigation and Water Conservation: Implementing Intelligent Distributed Infrastructure
- Commercial Scale Rainwater Harvesting to reduce potable water use
- Integrating harvesting and stormwater management systems
- Active controls leveraging real-time sensors and weather forecast information
- Internet of things in water resources management

Speaker: ***Philip Reidy,*** Principal, ***Geosyntec Consultants Sdn Bhd***

2.45 pm – 3.30 pm
Session 6:
Green Costs, Greener Profits
- Are Green Buildings Expensive?
- Myths currently abound, but what does the actual data say about the cost of going green?
- Can some common misconceptions and pitfalls in the Malaysian construction industry be avoided?
- How can this latest information help make our projects more cost effective and our approach to green building design increasingly profitable

Speaker: ***Mitch Gelber,*** Technical Committee Member, ***Green Building Index (GBI)***

3.30 pm – 4.00 pm
Networking Coffee

4.00 pm - 5.00 pm
Session 7:
Panel Discussion: A modest proposal – Cost effective approaches to investment in sustainable building strategies
- Passive vs Active Green Building Design Strategies and Solutions
- Innovate building industry to build green cheaper and better than conventional buildings
- How to make projects more cost effective and approach to green building design increasingly profitable?
- Maximizing Return on Investment

Moderator: ***BK Sinha,*** Founder/ Director, ***C2C Project Managers Sdn Bhd***

Panellists:
- ***Duncan Cave***, Programme Manager, Urban Knowledge, ***Think City Sdn Bhd***
- ***Dr. Nor Shahrene Mohd Ibrahim***, Senior Superintendent Architect, Environment and Energy Efficiency Branch, ***Public Works Department of Malaysia (JKR)***
- ***Mitch Gelber,*** Technical Committee Member, ***Green Building Index (GBI)***

5.00 pm
Session Wrap Up

SCHEDULE OF EVENT

May 15

8.00 am – 8.30 am
Registration & Networking Breakfast

8.30 am – 8.45 am
Conference Opening:
Welcoming Address by Organizer

8.45 am – 9.00 am
Opening speech by Chairperson

9.00 am – 10.00 am
Session 1:
Investment Opportunities in Green Technology Industry

- Government's provision of investment tax allowance (ITA) for the purchase of green technology assets and income tax exemption (ITE) on the use of green technology services and system
- Green Technology Incentive includes more qualifying activities
  - Tax Incentive for Green Technology Project – renewable energy; energy efficiency; integrated waste management and green building / green data centre
  - Tax Incentive for Green Technology Services – system integration of renewable energy; energy services; services related to green building / green data centre; green certification of products, equipment & building; and green township
- Incentives for Establishment of Waste Eco Parks (WEPs) to promote waste recycling, recovery and treatment activities

Speaker: ***Zabidah Daud***, Sr. Deputy Director, Green Technology Division, ***Malaysia Investment Development Authority (MIDA)***

10.00 am - 10.45 am
Session 2:

Green Buildings in Low Carbon Cities: The Road Ahead

- Unveiling the Green Technology Master Plan (GTMP) – The country's strategic plans for green technology development to create a low carbon and resource efficient economy
- Promotes green building programmes, technologies, design practices and processes as well as green labels and other green requirements for environmental, social and economic benefits
- Sustainable measures to be taken to transform the building industry into one that respects the environment
  - Maximise the buildings' energy efficiency first
  - Increase on-site or nearby renewable
  - Energy production and self-consumption
  - Decarbonise the heating and cooling energy for buildings
  - Empower end-users via smart meters and controls
  - Foster business models aggregating micro energy-hubs

Speaker: ***BK Sinha,*** Founder/ Director, ***C2C Project Managers Sdn Bhd***

10.45 am – 11.15 am
Networking Coffee

11.15 am - 12.15 am
Session 3:
Energy Efficient Buildings

- The Case for Energy Efficient Building.
- Fundamentals of Energy Efficient Buildings.
- Energy Efficient Building Strategies
- Passive Building Designs (with case studies)
- Active Building Designs (with case studies)
- Operation & Maintenance (with case studies)
- Q&A

Speaker: ***Tan Chin Hong***, Green Building Consultant, ***IEN Consultants Sdn Bhd***

12.30 pm – 2.00 pm
Networking Lunch

2.00 pm – 2.30 pm
Session 4:
Green Sukuk – Financing the Future

- Green Bond: An Emerging Market
- Shariah Compliance Green Bond (sukuk) for the Environmentally Sustainable Infrastructure Projects
- Islamic Perspective on Green Financing
- What sector can be funded?
- Case study – Green SRI Sukuk Tadau Energy
- Prognosticating the Future of Green Sukuk

Speaker: ***Dr. Mohammad Mahbubi Ali***, Head, Economics, Finance, Awqaf and Zakat Unit, ***International Institute of Advanced Islamic Studies (IAIS) Malaysia***

2.30 pm - 3.30 pm
Session 5:
Waste Eco Park: A Sustainable Solution to Waste Management

- Converting liabilities into assets
- Establishing downstream techniques to capitalise on Organic and Non Organic waste stream
- Key technologies : Plastic to Fuel & Organic to Biogas
- Sustainable impacts : Circular Economy
- Transformational impact : From Landfills to Industrial Parks

Speaker: ***Ir. Mohamad Adan Yusof,*** Technical Advisor, ***Mensilin Green Energy Sdn Bhd***

3.30 pm – 4.00 pm
Networking Coffee

4.00 pm - 5.00 pm
Session 6:
Panel Discussion: The Future of Solar Energy and Battery Energy Storage for Grid Support Applications in Malaysia

- Solar energy in Malaysia: Current state and prospects
- Malaysia to produce 2,500mw electricity through solar energy by 2020
- Basic principles of solar PV conversion and PV technology applications for buildings and other facilities
- ROI of commercial solar panels for business owners
- E-car revolution – Are we prepared to invest more in R&D to produce more competitive models of electrical and direct solar-powered cars?
- Building energy storage: Adding energy storage to commercial and non-commercial buildings
- Potential and assessing benefits at your facility
- Electricity price rise trend in Malaysia in past 10 years for residential and commercial premises and its influence on the PV systems purchase ROI

Moderator: ***Lionel Yap,*** Head, Secretariat, ***Malaysian Photovoltaic Industry Association (MPIA)***

Panellists:

- ***Ana Jovanovic***, Environmental Engineer/ Consultant
- ***Noor Hafifi Jalal***, General Manager, Green Technology, ***TNB Energy Services***
- ***Chin Soo Mau***, President, ***Malaysian Photovoltaic Industry Association (MPIA)***

5.00 pm
Session Wrap Up