

AZHAR OTHMAN

Principal Assistant Director of Perbadanan Putrajaya



- He is the head of Putrajaya Green City Section of Sustainable Development Division, City Planning Department, Perbadanan Putrajaya, present scope of work involves:
- Coordination of a proposed scheme for reduction of energy consumption in buildings involving all government & private sector buildings in Putrajaya (BS-CERMAT)
- Coordination of an international demonstration project for introducing electric vehicle buses with fast-charging system involving 10 EV buses to be in operation in Putrajaya
- Coordination of the preparation of Putrajaya Green City 2025 and the implementation of green city programmes and initiatives
- Coordination for the preparation of annual inventory of GHG Emissions for Putrajaya
- Past Experiences
 - HEAD TOWN PLANNER | MAJLIS PERBANDARAN AMPANG JAYA | 1997-2000
 - TOWN PLANNER | FEDERAL TOWN & COUNTRY PLANNING DEPARTMENT | 1993-1997
 - TOWN PLANNER | URBAN RESEARCH ASSOCIATES | 1992-1993

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GAIA Participant List

Seri Alam Properties

Presented to
UMLand
Seri Alam Properties Sdn Bhd
Phase 2E1 Galleria Seri Alam
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

Phase 2e1 Galleria
Seri Alam

Dynasty View Sdn Bhd

Presented to
UMLand
Seri Alam Properties Sdn Bhd
Phase 2E1 Galleria Seri Alam
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

Seri Austin Gallery

Phase 5F Olivine Phase 5G Pearl

Johor Port Authority

Presented to
UMLand
Seri Alam Properties Sdn Bhd
Phase 2E1 Galleria Seri Alam
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

LEMBAGA PELABUHAN
JOHOR

Heng Hiap Industries Sdn Bhd

Presented to
Heng Hiap Industries Sdn Bhd
Innovation to Zero
Green Tech Plant
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

AME Development Sdn Bhd

Presented to
AME Development Sdn Bhd
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

AME Sales Gallery

Makino Asia Sdn Bhd Schiavello Manufacturing (M) Sdn Bhd Texmac Sdn Bhd Owen Mumford Sdn Bhd

Tanjung Bintang Sdn Bhd

Presented to
Tanjung Bintang Sdn Bhd
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

Homes for Life

Molek Pine 3

Molek Pine 4

Eco Business Park 1

Presented to
Eco Business Park 1 Sdn Bhd
in recognition of
valued participation for
Green Accord Initiative Award
(GAIA) 2016

EcoWorld Gallery

2.2

Assessment Criteria

	Part A: Environmental Quality	SCORE
1.	Indoor Environment Quality (eg. Ventilation, Lighting, Temperature Control etc)	5
2.	Outdoor Environmental Site (Sustainable Site Planning & Management) (eg. Landscape, Outdoor Green Amenties etc)	5
3.	Quality of Services (Security, Human-friendly oriented, Accessibility etc)	5
	Part B: Environmental Load	5
4.	Energy Efficiency (eg. EE, Saving tips, natural energy utilization etc)	5
5.	Water Efficiency (eg. Saving Water Fitting, Water-Recycling, Rainwater Harvesting etc)	5
6.	Resources & Material (eg. Recycling, 3R, Proper Waste Management etc)	5
	Part C: Bonus	5
7.	Renewable Energy / Green Energy / Innovation	5
8.	Management Commitment/ Effort (eg. Energy Monitoring & Reporting System, Award recognition etc)	5
	Total	40

5	4	3	2	1	0
Excellent	Good	Average	Fairly Poor	Poor	N/A



Green Accord Initiative Award 2016

ISKANDAR MALAYSIA

Celebrating 10 YEARS 2006 - 2016



The 2016 Iskandar Malaysia Green Accord Initiative Award (GAIA) is a new initiative by Iskandar Regional Development Authority (IRDA) that honours outstanding business organisations in Iskandar Malaysia who have contributed towards the adoption of sustainable design, planning, retrofitting, and operation in the built environment.

The awards presentation is a platform for winners to network, share experience and

highlight the challenges they faced while delivering sustainable projects; and creating new markets for green services and solutions.



01

What is GAIA?

GAIA is a certification scheme that rewards organisations, companies, institutions and businesses that have gone beyond regulatory requirements of operations to contribute towards improving sustainability of the built environment.

The GAIA aims to promote greater awareness and encourage organizations and companies operating in Iskandar Malaysia to be green in their operations and bring positive impact to their surrounding environment.

The GAIA programme is open to any building that has been occupied for at least 6 months from date of CCC/CFD issuance and located in Iskandar Malaysia. Projects that are eligible for nomination include those that have been assessed by one of the green building assessment standards available worldwide such as the Green Building Index (GBI), Comprehensive Assessment System for Built Environment Efficiency (CASBEE), Green Mark, Green Star or an equivalent certificate.

GAIA is not a rating tool but utilizes existing tools in its assessment to select worthy recipients of the Green Accord Initiative Award. Sustainable environmental features and enhanced liveability and community resilience will be considered as additional bonus point.

In line with Low Carbon Society (LCS) actions listed in the Low Carbon Society Blueprint for Iskandar Malaysia 2025 (LCSBPIM), the goal of GAIA 2016 is to promote green building design and construction in Iskandar Malaysia (IM). Our focus is to create a more sustainable built environment and to establish a strong, sustainable metropolis of international standing. In this context, "Strong" is defined as a prosperous, resilient, robust and globally competitive economy, as well as a healthy and globally competitive knowledgeable society; whereas "Sustainable" means "a low carbon built environment and society". We will be guided by the following measures:

- Promoting green buildings in new development
- Energy efficiency improvement of existing buildings
- Green construction
- Green building design technology
- Rural green buildings

Most importantly, GAIA is a celebration of your company's journey and commitment to sustainability towards building a low carbon Iskandar Malaysia by 2025.



02

Assessment Process



2.1

Gaia Technical Committee

SAIBAL CHOWDHURY
Urban Technologist

- CEO and Co-Founder of Urbanetic - A Singapore based developer of geospatial parametric modeling software tool to visualize and analyze cities in 3D and enable planning and design of sustainable cities. With mission to radically simplify city planning reducing time and cost in order of magnitude, Urbanetic is transforming the way cities are designed, built and managed
- He also advises governments, city administrations and Digital Media companies in using technology to solve their toughest challenges and find new opportunities using data and data driven technologies for better governance, capacity building and growth.
- His areas of technical competencies are in Industrial Automation, ERP, Building Technologies, High Performance Computing, CAD, and Data Mining & Analytics. He has worked in the R&D labs in Siemens, H-P and AT&T in commercializing computing technologies
- With 30 years of international experience in diverse technologies behind him, Saibal brings enormous experience and insight on how to use technology for national economic growth and corporate profitability.



PROF DR MOHD HAMDAN BIN HJ AHMAD
Executive Director of Institute Sultan Iskandar of Urban Habitat and Sustainability, Universiti Teknologi Malaysia (ISI UTM)

- His expertise is in the field of Sustainable Environmental Architecture, Planning and Urban Habitat, Building Performance Studies and Technology amongst many others.
- His academic research is related to Tropical Architecture and Environmental Studies which include Low Energy and Energy Saving, Thermal Comfort, Daylighting, Natural Ventilation, Building Performance Analysis and also into Architectural Education. His commitment to Tropical Architecture and Building Sciences are significant through more than 100 publications in book, book chapters, journals and seminar proceeding at international and national levels.
- Currently he has graduated more than 10 PhD students and is currently supervising another 10 PhD students.
- Prof Hamdan is a member of Malaysia Green Building Index and register as GBI facilitator (GBIF/0597), Member of Malaysia Green Building Confederation, Member of Lembaga Arkitek Malaysia (AG/M426) and Member of GreenRE Advisory Committee (GREAC).

ASFAAZAM KASBANI
Assistant Resident Representative of the UNDP (Malaysia Country Office) United Nations Development Programme (UNDP)



- He is currently the Assistant Resident Representative (Programme) of UNDP Malaysia and he is responsible on the policy and technical advisory on national development matters and including the day-to-day management of the programme section. He brings along a total of nearly 20 years of working experience and his professional expertise is mainly on climate change (mitigation and adaptation), energy efficiency and renewable energy initiatives, Sustainable Energy for All (SE4ALL), Sustainable Development Goals and the national communications to UNFCCC. He is currently managing a portfolio of programme/projects totalling more than USD 6 million annually.
- Asfa started his career in 1994 as a reliability engineer for SONY Corporation and then as the Programme Manager in the Malaysia Energy Center in 1999, before moving on to UNDP Malaysia in 2005. He was once appointed by the Government of Malaysia as the Country Focal point for the ASEAN Energy Efficiency Sub-Sector Network from 2000 to 2005 and was responsible in leading the submission team to win the first ever Malaysian building to receive the ASEAN Energy Awards in 2001.
- He holds a M.Sc. in Industrial and Technology Management (Energy Management System) from the University Kebangsaan Malaysia (2003), B.Sc. in Engineering Physics from the University of Tulsa, Oklahoma, USA (1993) and American Associate Degree (Science) from the State University of New York, Buffalo, USA. He is the alumnus of the Government of Japan's Asian Overseas Technical Scholarship (AOTS) programme on Environmental and Energy Management Certification in Osaka, Japan (1999) and a certified 2006 IPCC Guidelines 511 (Energy) professional by GHG Management Institute, USA. Under UNDP's apprenticeship, he is the Train-the-Trainer on Results Based Management (RBM) by UNDP RBAP and has attended the Programme Policy and Operation course in New York, USA (2006).



PROF DR. HO CHIN SIONG
Director of Relations UTM International Office and Professor of Faculty Built Environment at Universiti Teknologi Malaysia as well as UTM Senate Member

- Ho Chin Siong is currently the Deputy Director of Office of International Affairs and Professor of Faculty Built Environment at Universiti Teknologi Malaysia as well as UTM Senate Member.
- He is a chartered member of Chartered Institute of Logistic and Transport (CILT), registered member of the Board of Town Planning Malaysia (MTPB) and corporate member of Malaysian Institute of Planning (MIP).
- His current research areas of interest are in sustainable urban development, energy efficient city, low carbon city planning, and Built Environment education.
- Dr. C S Ho is currently leading a research team on Development of Low Carbon Society Scenarios for Asian Region with a research grant of about US\$ 1.5 million sponsored by JICA and JST Japan.