



Experience & Lesson Learnt In The Development of Low Carbon City in MELAKA

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Melaka Green Technology Corporation
8^h November 2016

Presentation Outline

- Introduction (2 mins)
- Green Policy (5 mins)
- Green Initiatives (10mins)
- Conclusion (2 mins)

UNESCO
WORLD HERITAGE SITES

Bastion House, Melaka

MELAKA POPULATION AND STATISTICS



POPULATION

870,000



UNEMPLOYMENT RATE

0.7%



GDP PER CAPITA

USD 9,506



LABOR FORCE

375,000



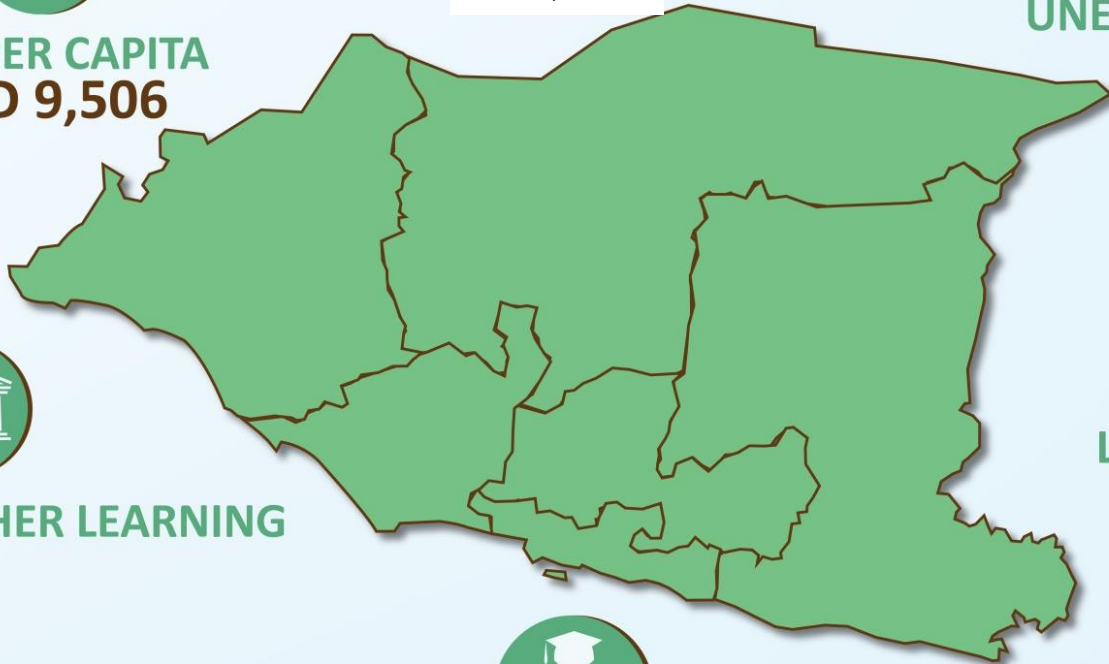
INSTITUTE OF HIGHER LEARNING

49



TOTAL NUMBER OF STUDENTS

92,000





Malaysia is adopting an indicator of a voluntary reduction of up to 40% in terms of emissions intensity of GDP by the year 2020 compared to 2005 levels

Prime Minister Of Malaysia

Green+

Malaysia's Premier Eco-friendly,
Sustainable and Green Business Magazine

Let there be light

*Sarawak Energy illuminates
two longhouses in Batang
Ai's interior through solar*

Pursuing green packaging potentials

*How often, when shopping, do
you find yourself choosing a
product because of its packaging?*

Second balloting done

*SEDA carries out process for
solar photovoltaic applications
for non-individuals*

IN THIS ISSUE

- Natural gas subsidies in Malaysia
- Feather in Heriot-Watt's cap
- Wastewater you can drink
- Navigating the Atlantic as a giant turtle

Melaka set a vision to become
a low carbon economy - Green
Technology City State by the
year 2020

Fast & Furious

*With his foot firm on the pedal, Chief
Minister Datuk Seri Idris Haron
accelerates Melaka to several laps
ahead of other States in promoting
green technology, sustainability and
an eco-friendly environment*

MELAKA GREEN CITY STATE MISSION STATEMENT

Melaka supports Malaysia's Vision 2020 to be a high income low carbon developed nation with a minimum GDP Per Capita of USD15,000 by the year 2020. Melaka is leveraging on three (3) strategic objectives:

- maintaining status as a **DEVELOPED STATE**;
- achieving status as a **CITY STATE**;
- achieving status as a **GREEN CITY**



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Produced Melaka Green Technology City State Blueprint 2011 - 2020 (22 Nov 2011)



BLUE PRINT

**MELAKA MAJU NEGERIKU SAYANG
NEGERI BANDAR TEKNOLOGI HIJAU
2011 - 2020**

Blueprint For Melaka Green City
State Was Developed Base On;

1. OECD (5 Key Areas; 32 Indicators)
2. Murninet (11 Key Areas; 38 Indicators)
3. UEA (Urban Environmental Accords)
 - 7 Key Areas,
 - 21 Sub Area
 - 152 Measurement Indicators

Melaka Signed Urban Environmental Accords (UEA) Commitment (3 May 2012)

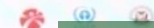
2011 UEA
Gwangju Summit

2011 Gwangju Summit of the Urban Environmental Accords

2011 도시환경협약 광주정상회의

October 11~14, 2011

Kimdaejung Convention Center,
Gwangju Metropolitan City, Korea



Green City UEA

(7 Sectors– 152 Indicators)

- Energy
- Waste Reduction
- Urban Design
- Urban Nature
- Transportation
- Environmental Health
- Water



Urban
Environmental
Accords

Produced Melaka Green City Action Plan (GCAP)



The Melaka Green City Action Plan (GCAP) is among the first IMT-GT Green City Initiatives to educate public about climate change, global warming, green technology and green practices.



Indonesia-Malaysia-Thailand Growth Triangle



Custom Categories (Achieving E.E.E.)

The GCAP operationalizes the 3E approach through the following thematic areas that are discussed in more detail in the subsequent chapters.



1 WATER MANAGEMENT

Goal: Protect and enhance the quality of surface and groundwater bodies in Melaka



2 ENERGY EFFICIENCY & RENEWABLE ENERGY

Goal: Reduce GHG emissions through efficiency and increase in use of renewables in the generation and usage



3 GREEN TRANSPORTATION

Goal: Increase opportunities for alternative modes of transportation and reduce GHG emissions resulting from vehicular use



4 ZERO WASTE

Goal: Put Melaka on the path to become a “zero-waste” state and reduce waste-related GHG emissions



5 CULTURAL HERITAGE & TOURISM

Goal: Promote sustainable tourism to balance needs of visitors with those of residents while ensuring preservation of cultural heritage



6 URBAN FORESTRY & AGRICULTURE

Goal: Protect forests and areas with rich biodiversity, and improve agricultural practices



MELAKA STATE

Greenhouse Gas Emission Inventory Report 2013



Prepared by:
Melaka Green Technology Corporation
ICLEI - Local Governments for Sustainability, South Asia
ICLEI - Local Governments for Sustainability, Southeast Asia
November 2015



Melaka first Green House Emission Inventory Report 2013 published in Paris, France in December 2015



Global Protocol for Community-Scale Greenhouse Gas Emission Inventories

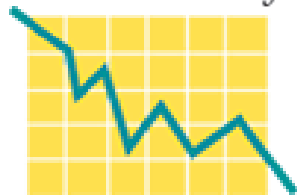
An Accounting and Reporting Standard for Cities



Melaka producing 1.96 Mt CO₂ in 2013. 59.4% emission from Transportation Sector and 23.1% emission from Industrial Sector

Sector	GHG emission (t CO ₂ e)	Share (%)
Stationary Units	711,449	36.3%
- Residential Buildings	76,640	3.9%
- Commercial/Institutional Buildings and Facilities	176,431	9.0%
- Manufacturing Industry and Construction	453,339	23.1%
- Agriculture, Forestry and Fishing Activities	5,039	0.3%
Mobile Units	1,165,109	59.4%
- On-Road Transportation	1,160,333	59.2%
- Railway	4,412	0.2%
- Aviation (Landing and Take Off) ¹	363	0.02%
Waste	15,643	0.8%
- Solid Waste Disposal	15,643	0.8%
- Biological Treatment of Waste	0.6	0.0%
Agriculture, Forestry and Land Use (AFOLU)	69,396	3.5%
- Livestock	69,396	3.5%
Total	1,961,598	100.0%

(Source: HEAT+ analysis)



HEAT*plus*
HARMONIZED EMISSIONS ANALYSIS TOOL



I.C.L.E.I
Local
Governments
for Sustainability

Melaka GHG Inventory Report was published during the UNFCCC Conference Of Parties (COP) 21 in Paris, France (November 2015)



MELAKA GREEN TECHNOLOGY COUNCIL

Established since 2010

Objectives;

- To develop policies relating to green technology in the state
- To plan and monitor green technology development and application in the state
- To discuss green technology proposal and investment for the state
- The Council chaired by the Chief Minister of Melaka.
- All local authorities have regular Green Committee Meetings at local levels.



Melaka Green Technology Corporation

Established since 8 November 2013.

Perbadanan Teknologi Hijau Melaka or Melaka Green Technology Corporation had been transformed from Hang Tuah Jaya Corporation, secretariat for Melaka Green Technology Council.

- To lead the green development initiatives in Melaka.
- To implement green policies for the state.
- To plan and monitor state green technology development.
- To enhanced investment & business activities in green technology



Melaka selected for IMT-GT Green Cities Initiatives (27 Sept 2012)



imt-gt
CENTRE FOR IMT-GT SUBREGIONAL COOPERATION
(CIMT)
ESTABLISHMENT AGREEMENT
SIGNING CEREMONY
25 April 2013
Bandar Seri Begawan, Brunei Darussalam

Melaka was selected under 'IMT-GT Green Cities Initiative' along with Medan (Indonesia) and Songkhla (Thailand) under collaboration with EPU and Asian Development Bank (ADB).

Melaka appointed the Chairman of The IMT-GT Green City Council Meeting since 1st March 2016 in conjunction with the 2nd Resilient Cities Asia Pacific Forum in Melaka.



1ST IMTGT Green Council Meeting (1st March 2016)

Melaka a member of ICLEI – Local Council for Sustainability since 2014.



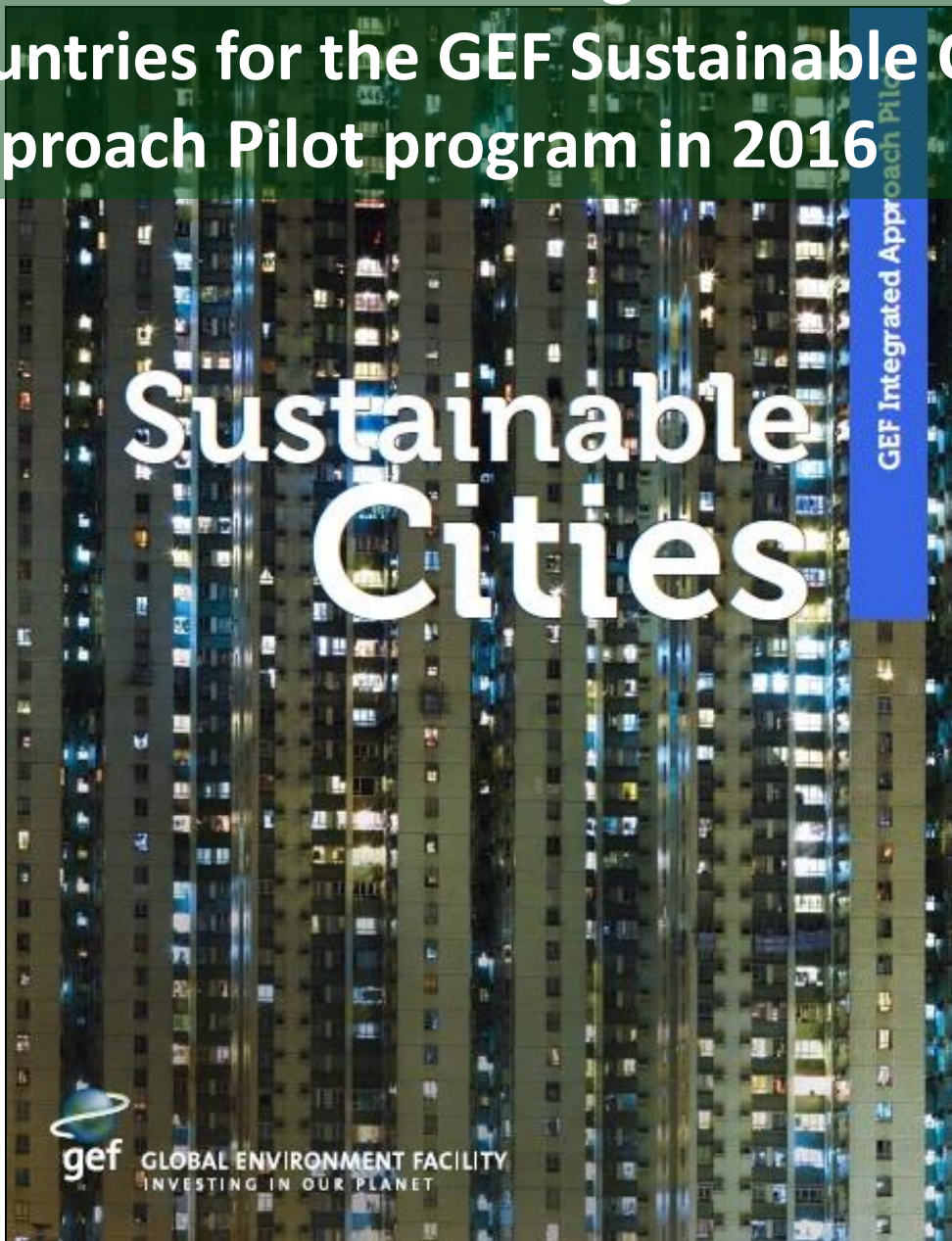
ICLEI World Congress 2015
SUSTAINABLE SOLUTIONS FOR AN URBAN FUTURE
8 - 12 April 2015 • Seoul, Republic of Korea

M E L A K A • M A L A Y S I A

2nd Resilient Cities Asia Pacific Forum 2016 organised by Melaka State Government and ICLEI from 2nd – 4th March 2016 in Melaka



Melaka selected among 23 cities from 11 developing countries for the GEF Sustainable Cities Integrated Approach Pilot program in 2016



GEF Sustainable Cities Integrated Approach Pilot

Total GEF Financing: \$151.6 million; Total Indicative Co-financing: \$ 1,478.6 million



Malaysia: Melaka
 Co-Financing: \$18,000,000
 GEF Funding: \$3,000,000
 Agency: UNIDO

Melaka is part of 100 Resilient Cities
by Rockefeller Foundation since 2016

OUR NEWEST MEMBER CITIES

Addis Ababa, Ethiopia
Atlanta, USA
Belfast, Northern Ireland
Buenos Aires, Argentina
Calgary, Canada
Can Tho, Vietnam
Cape Town, South Africa
Colima, Mexico
Guadalajara (Metro), Mexico
Haiyan, China
Honolulu, USA
Jaipur, India
Jakarta, Indonesia
Kyoto, Japan
Lagos, Nigeria
Louisville, USA
Luxor, Egypt
Greater Manchester, England

Greater Miami and the Beaches, USA
Minneapolis, USA
Montevideo, Uruguay
Nairobi, Kenya
Nashville, USA
Panama City, Panama
Paynesville, Liberia
Pune, India
Salvador, Brazil
Seattle, USA
Seoul, South Korea
Tbilisi, Georgia
Tel Aviv, Israel
The Hague, The Netherlands
Toronto, Canada
Vancouver, Canada
Washington, DC, USA
Yiwu, China

Melaka, Malaysia

MPHTJ the first local council to receive LCCF Diamond rating



- **Majlis Perbandaran Hang Tuah Jaya (MPHTJ) is the first local council to effectively reduce its carbon footprint amounting to 434.26 tonnes of CO₂ (4.3%) in 2014.**
- **Recently received an award under the Low Carbon Cities Framework (LCCF) and Assessment System initiative established by the Energy, Green Technology and Water Ministry and Malaysian Green Technology Corporation (GreenTech Malaysia).**

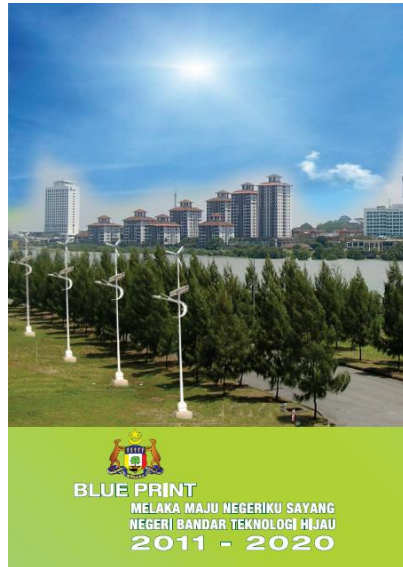
TIMELINE ACHIEVEMENT TOWARDS MELAKA GREEN TECHNOLOGY CITY STATE 2020

Melaka declared as Develop State by OECD (20 Oct 2010)



Established Melaka Green Technology Council (25 May 2011)

Published Melaka Green Technology City State Blueprint 2011 - 2020 (22 Nov 2011)



Signed Environmental Accords (UEA) (3 May 2012)





Indonesia-Malaysia-Thailand Growth Triangle

Melaka selected for IMT-GT Green Cities Initiatives (27 Sept 2012)

Established Melaka Green Technology Corporation (MGTC) (8 Nov 2013)



METI

Kyushu Bureau of Economy, Trade and Industry

Signed MOU with METI-Kyushu, Japan
(10 Oct 2013)

Received Green Apple Award
for Melaka River (11 Nov 2013)



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Signed MOU with PEMANDU,
Prime Minister Office for PSDT KTP
23 Dec 2013



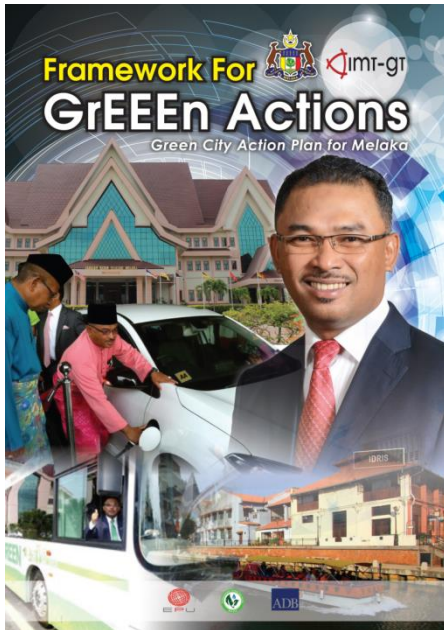
PEMANDU
PERFORMANCE MANAGEMENT AND DELIVERY UNIT



**KEMENTERIAN
PENDIDIKAN
MALAYSIA**



USM UNIVERSITI
SAINS
MALAYSIA



Published Melaka Green City Action Plan
(GCAP) 22 April 2014

Cooperation with MIGHT for
National Smart Communities
Program with Melaka as
GCAP Delivery Partner. 16
Jul 2014

MIGHT
Malaysian Industry-Government Group
for High Technology



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Registered Melaka as ICLEI member and project development for Official State GHG Carbon Inventory (11 Nov 2014)



Established International Green Training Centre (IGTC) (23 Oct 2014)



Established the Melaka Green Seal – State Green Building Rating Tools (16 Dec 2014)



**METERAI HIJAU MELAKA
(MELAKA GREEN SEAL)**

**RESIDENTIAL NEW AND
EXISTING BUILDING**

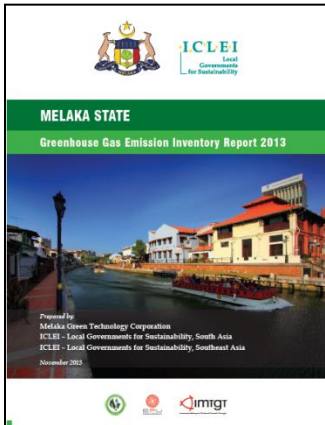
REFERENCE GUIDE





GEF5: Green Technology Application For The Development Of Low Carbon Cities (GTALCC) Project (June 2015 – June 2018)

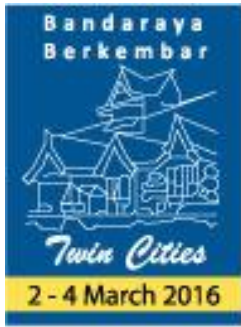
GEF6: Sustainable Cities Integrated Approach – UNIDO (June 2015 – June 2018)



Completion of Melaka GHG Carbon Inventory (July 2015)

Newton Ungku Omar: Project On Big Data (Sept 2015 – June 2016)

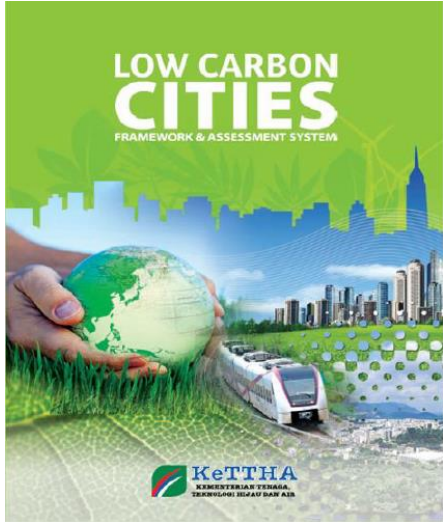




Melaka hosting The 2nd Resilient Cities Asia-Pacific 2016 & IMT-GT Green Council Meeting

M E L A K A • M A L A Y S I A

MPHTJ received LCCF Diamond Rating (2 March 2016)



Melaka to be the hosting state For UEA Summit 2017



INTERNATIONAL PARTNERS WITH MELAKA FOR GREEN GROWTH





Green Technology & Low Carbon City Projects in Melaka



IMT-GT GREEN CITY INITIATIVES

Key Projects:

- Green City Action Plan (completed)
- Green City Benchmarking and Baseline Indexing with ADB – ICLEI.
- GHG Carbon Inventory calculation using HEATPlus Software by ICLEI
- Energy efficient (EE) State Owned Government Buildings with Danish Energy Management
- International Green Training Center (IGTC)
- Installation of Energy Management Unit on Street Lamp



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Energy Efficiency & Renewable Energy



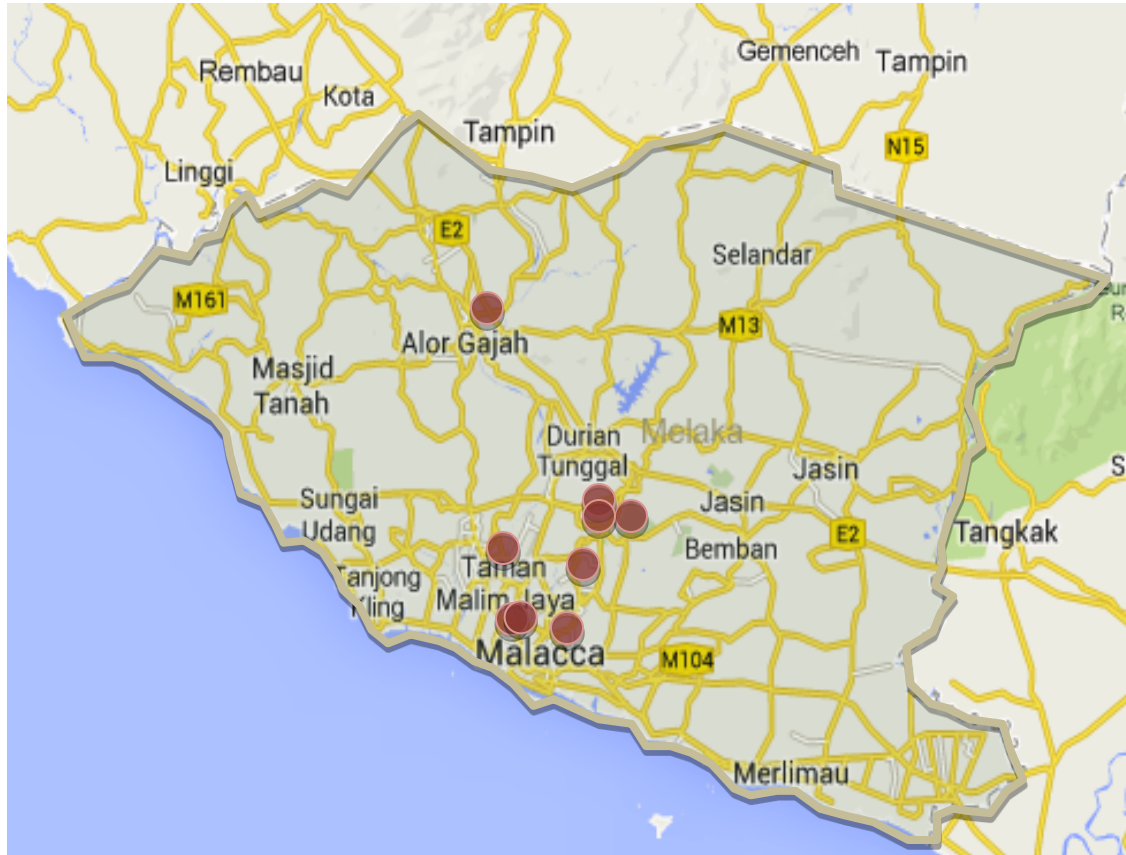
5 MW KMB Solar Farm, Rembia



Energy Audit & Energy Performance Contract (EPC)

- Initial project through Energy Audit to 9 State Government Buildings currently in the 2nd Phase in implementing EPC Project with Danish Energy Management
- 10 Federal Buildings in Melaka with CENERGY - SEA Sdn Bhd (Khazanah)
- Zero Capex to building owners
- Pay –Through Saving of utility bills
- Guarantee of performance

9 State Government Buildings involve in EPC with Danish Energy Management



Initiated the Feed In Tariff (FiT) Program for Residential in Rembia Melaka in 2011.



Taman Rembia Perkasa, Rembia

Solar Farm Project

- Initiated Solar Farm Project in Melaka.
- 2 Solar Farms In Melaka with the total capacity of 13 Megawatt;
 - 5 MW KMB Solar Farm, Rembia
 - 8 MW Gading Kencana Solar Farm, Hang Tuah Jaya Green City



*8 MW Solar Farm, Hang
Tuah Jaya Green City*

Melaka Smart Grid Pilot Project.

- Initiated the pilot project by installing Smart Meters to 400 household residents in Melaka.
- Monitor energy usage online via apps.
- TNB plan to expand the usage of Smart Meter to whole Melaka in next 3 years



Smart LED Street Lights

- Initiated several test pilot of LED street light since 2010
- Pilot project installing 1000 units of SMART LED Street light in MBMB area.
- Asset Management & Online Monitoring and dimming capabilities
- Planning to transform all our 120,000 units of Street Lights To Smart LED Street Lights
- This project could generate a total of 8MW virtual power plant



Swiss Garden Hotel, Melaka

Collaboration with Asian Development Bank (ADB) for a scoping study on the implementation of Smart LED street lighting using pay through saving model.



Balamurugan R. Krishnan
Deputy Director CIMT

Kamarudin Md Shah
CEO Melaka Green Technology Corporation

Idris Haron
Chief Minister Melaka

Takehiko Nakao
President ADB

Ryuichi Kaga
Head (PPF), ADB

Vinod Thomas
Director General (E&E), ADB

City Planning & Development



Hotel Casa Del Rio, Melaka

Melaka Green Seal

- Known as Meterai Hijau Melaka
- Established since 1st January 2015
- Developed by Melaka Green Development Organisation (MGDO), a Melaka Green NGO and PTHM.
- Focus on UBBL and Malaysia Energy Efficiency standards ; MS1525
- Voluntarily to whole Melaka until 2018
- Compulsory in;
 - Melaka World Solar Valley
 - Hang Tuah Jaya Green City
 - New state & government buildings in Melaka



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**METERAI HIJAU MELAKA
(MELAKA GREEN SEAL)**


**RESIDENTIAL NEW AND
EXISTING BUILDING**

REFERENCE GUIDE

Kings Green Hotel, Melaka



PENGENALAN

	KEDIAMAN	KEDIAMAN	BUKAN KEDIAMAN	BUKAN KEDIAMAN
	WAJIB	PILIHAN	WAJIB	PILIHAN
EE	6	5	7	8
WE	1	4	5	2
SM	3	5	3	7
MR	3	1	3	1
IEQ	2	1	2	2
JUMLAH	15	16	20	20
	$15 + 5$ $= 20$		$20 + 5$ $= 25$	



PENGENALAN



STATUS MHM	DIPERAKUI
NO. SIJIL	MHM-BBKS-0001
TARIKH DIPERAKUI	23 MAC 2015
KATEGORI BANGUNAN	BANGUNAN BUKAN KEDIAMAN SEDIADA (BBKS)
ALAMAT	28, JALAN TUN PERAK, 75300 MELAKA
STATUS GBI	DIPERAKUI (18 JULAI 2015)

STATUS MHM	DIPERAKUI
NO. SIJIL	MHM-BBKS-0002
TARIKH DIPERAKUI	25 NOVEMBER 2015
KATEGORI BANGUNAN	BANGUNAN BUKAN KEDIAMAN SEDIADA (BBKS)
ALAMAT	KOMPLEKS HIJAU SOLAR, JALAN SOLAR 1, BANDAR HIJAU HANG TUAH JAYA, 75400 AYER KEROH, MELAKA
STATUS GBI	-

Hang Tuah Jaya Green City

- Set to be Sustainable Development Green City.
- All developments and buildings shall comply with building rating certifications i.e. GBI, LEED, Green Star, Green Mark and Melaka Green Seal.
- Development area of 5,153 acres.
- Current Green Development;
 - PERKESO Rehabilitation Centre (Completed in June 2014)
 - 8 MW Solar Farm Project (Completed Dec 2014)
 - Rumah Citra Kasih (Completed June 2014)

KL - BANGSAWATI HSR STATION
(Proposed)

UTeM

UTEM UNIVERSITY CAMPUS

BPK 6.4

24-D-III

24-C-III

PLUS HIGHWAY

BPK 5.2

BPK 5.1

GOLF COURSE

34-B-II

8 MW SOLAR FARM PROJECT

Ke Bukit Katil

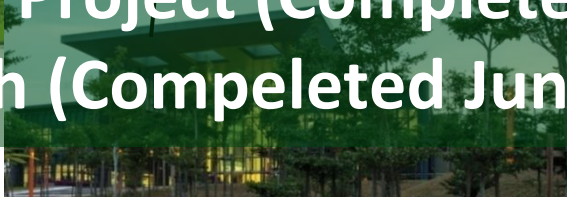
34-B-III

PERKESO REHABILITATION CENTER

BLUK PERANGANGAN



MITC CITY CENTER



Melaka World Solar Valley

- Melaka World Solar Valley (MWSV) located in Rembia sets to be a sustainable city and the catalyst for solar industry.
- Gazetted area of 7,248.43 hectares which comprises of various solar development sectors.
- Being gazette under national MPFN in 2012 by JBPD.
- Key projects are:
 - AUO Sunpower Solar manufacturing facility (completed)
 - KMB 5MW Solar Farm (completed)
 - RDIC Center (planning)
 - Solar Mosque (planning)
 - Solar lamps, roads, buildings and many more.



MELAKA WORLD SOLAR VALLEY (MWSV)
GPS COORDINATE: 2.35364, 102.226495

HIGH END INDIVIDUAL BUNGALOW HOME

Green Transportation



8 MW Solar Farm, Hang Tuah Jaya Green City

Melaka Electric Bus



Melaka Electric Bus, Melaka Sentral

Melaka Electric Bus

- First fully operated electric bus in Malaysia.
- Successfully completed 3 month trial in March 2014.
- Travel in Melaka World Heritage City. Owned by Panorama Melaka Sdn Bhd.
- Can travel up to 280 km fully charged. Charging station in Melaka Sentral.
- Planning for 40 electric bus operating in Melaka.
- To received 40 units by December 2016.



Melaka Electric Car Charging Station Network

- First charging station outside KL, launched on 11 Oct 2013
- A network of 6 electric charging stations around Melaka city at Seri Negeri, Ayer Keroh and Hatten Square, Bandar Hilir & Kings Green Hotel
- To establish Melaka as the centre of the electric car connectivity between KL and Singapore.
- State Government is buying 8 electric car for official use.
- 2 COMOS Electric Car and KMB for electric mobility in UNESCO World Heritage Zone



Seri Negeri, Ayer Keroh



COMOS Eco Ride

- Located at Menara Taming Sari
- Several units of Electric Car
- Rent for tourism product to tourist



Melaka Taming Sari, Bandar Hilir

Melaka Bike Share

- Malaysia 1st Public Bike Share in Malaysia
- Since 2nd March 2016
- Located in World Heritage City area
- Currently with 3 stations;
 - A Famosa
 - Equatorial Hotel
 - Quayside
- To be expanded to 15 stations all over the city

A Famosa, Melaka

Towards Zero Waste



Image: Collection of MSW Waste in Melaka

SEPARATION AT SOURCE

STARTING FROM 1 SEPTEMBER 2015
ALL PREMISES ARE REQUIRED
TO SEPARATE SOLID WASTE AT THE SOURCE

3 EASY STEPS



WHAT NEEDS TO BE SEPARATED?

RECYCLABLE WASTE

PLACED NEXT TO GARBAGE BIN

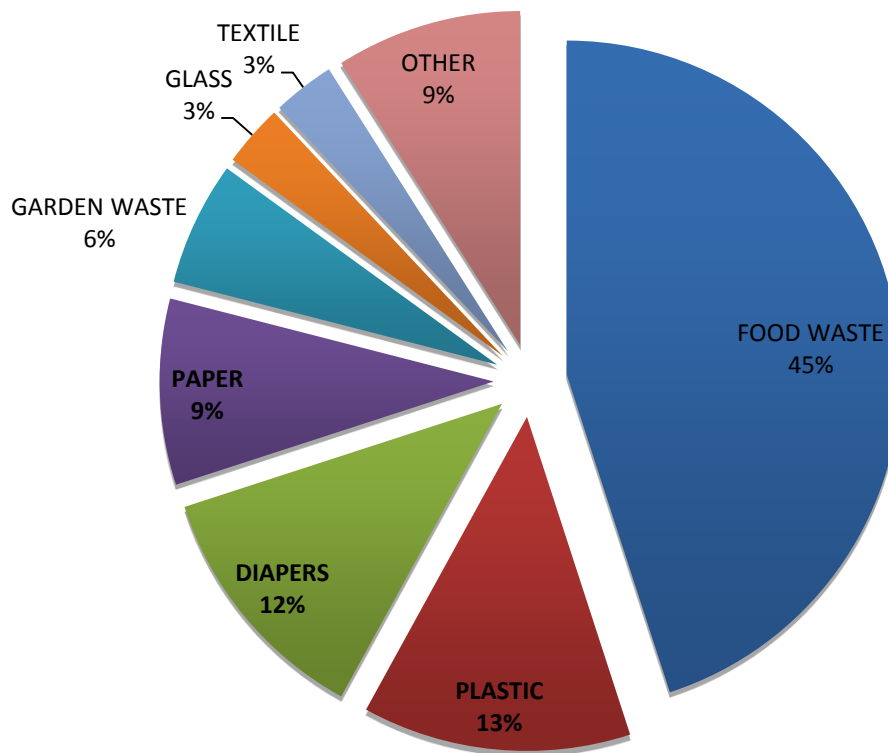




INTRODUCTION: WASTE GENERATION, COMPOSITION & RECYCLING RATE IN MELAKA

WASTE COMPOSITION

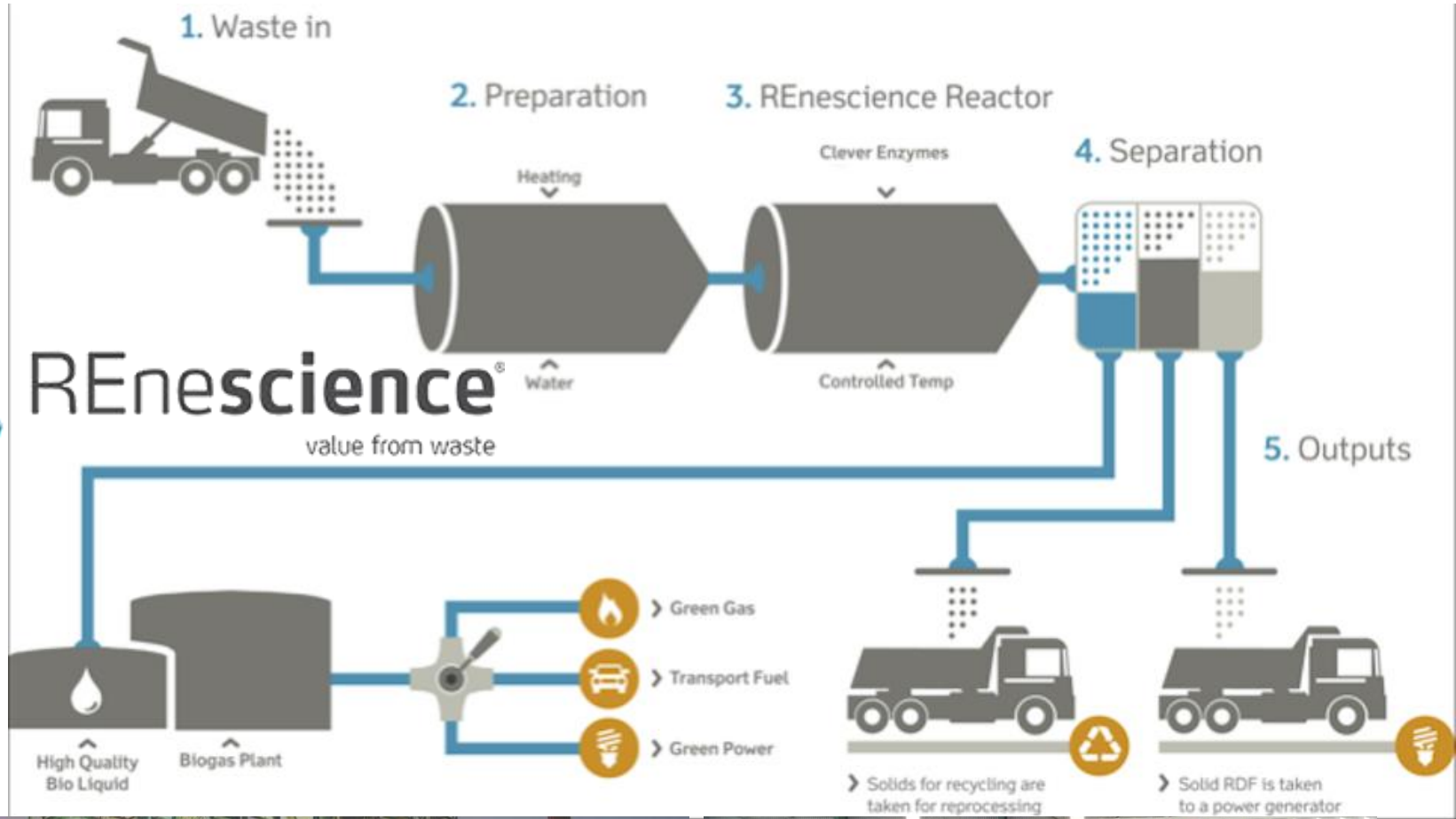
POPULATION	873,000
WASTE GENERATION (TONNE/DAY)	1100
GENERATION RATE	1.2 KG/DAY/PERSON
RECYCLING RATE	10.5 %



Sg Udang Landfill (current) – Open 1st April 2015



Waste Eco-Park





**Don't
mess with
Melaka.**



**NO PLASTIC BAGS
EVERYDAY
STARTING 1ST
JANUARY 2016.**

**NO POLYSTYREN
USAGE STARTING
1ST SEPTEMBER
2015.**

Melaka No Plastic Bag

- Consumer are encourage to bring their own shopping bags
- All premises must change to paper bag or compostable plastic bag
- Increase the usage of compostable renewable bio based product
- Product must acquire SIRIM Certification MS 2073: 2008 (EN 13432) or ECO Label 1 (ASTM 6400)
- Penalty RM 250 from Local Authorities for non compliance

Larangan beg plastik, polisterin berkuat kuasa hari ini

Tarik lesen premis jika ingkar arahan

Oleh LIANA SAHABUDIN

AYER KEROH 31 Mei - Pemilik premis atau pasar raya di negeri ini akan dikenakan tindakan ganjutan lesen dan kompaun

sekiranya tidak mematuhi larangan mengguna dan membekalkan beg plastik serta polisterin berkuat kuasa 1 Jun (hari ini).

Sebaliknya, mereka diarahkan menggunakan

beg berasaskan biodegradasi yang diiktiraf oleh kerajaan negeri.

Exco Pelajaran, Pengajian Tinggi, Sains dan Teknologi, Teknologi Hijau dan Inovasi, Datuk Wi-

paun Md. Yunus Husin berkata, mereka yang ingkar dan tidak mahu ikut arahan akan ditarik lesen serta-merta.

Menurutnya, pemilik premis dikenakan kom-

paun pertama sebanyak RM250, sekiranya masih tidak endah dan lepas tangan, tindakan selanjutnya akan diambil.

"Kita sudah nyatakan secara jelas arahan dari Pihak Berkuasa Tempatan (PBT) kepada seluruh peniaga di negeri ini supaya tidak menggunakan beg plastik dan polisterin.

"Jika mereka tidak beri kerjasama, kita tiada pilihan untuk tarik lesen premis mereka, kita sudah bagi tempoh tiga tahun untuk mereka ikut arahan ini," katanya.

Beliau berkata demikian kepada pemberita selepas merasmikan sesi Penyerahan Giant Banner dan Pelekat Program Melaka Tanpa Beg Plastik dan Polisterin di Bilik

Seminar Perbadanan Teknologi Hijau Melaka (PTHM) di sini, semalam.

Jelasnya, kerajaan negeri akan terus melaksanakan inisiatif itu selain meminta kerjasama semua pemilik premis menggunakan pembungkus berasaskan biodegradasi.

"Saya tidak mahu ada peniaga yang tertangkap kerana masih menggunakan pembungkus plastik dan polisterin.

"Bagaimanapun, setakat lima bulan pelaksanaan inisiatif ini, sambutan masyarakat sangat menggalakkan dan rata-rata pengguna memahami tujuan dilaksanakan oleh kerajaan negeri," katanya.

Jelasnya, Melaka menghasilkan kira-kira 900 hingga 1,200 tan sisa buangan sehari di tapak pelupusan sampah Sungai Udang meliputi satu hingga dua kilogram sisa buangan setiap penduduk sehari.

"Sekiranya masalah ini tidak dibendung, jangka hayat pusat pelupusan ini dijangka tidak melebihi lima tahun dan menyebabkan kita terpaksa membina pusat pelupusan yang baharu," katanya.

Hadir sama, Ketua Pegawai Eksekutif PTHM, Datuk Kamarudin Md. Shah dan wakil-wakil pemilik pasar raya dan premis di Negeri Melaka.



MD. Yunus menerangkan sesuatu kepada wakil-wakil pemilik premis peniagaan.



SEBAHAGIAN wakil premis dan pasar raya yang hadir pada sesi Penyerahan Giant Banner dan Pelekat Program Melaka Tanpa Beg Plastik dan Polisterin di Bilik Seminar PTHM, kelmarin.



MD. Yunus menyampaikan banner dan pelekat kepada wakil Pasar Raya Giant.

Melaka Green Awards (Anugerah Hijau Negeri Melaka)

- To recognized green initiatives to public and private institution.
- This annual event started since 2015.
- 9 awarding categories for 2016;
 - Primary school;
 - Secondary school;
 - Government agency & statutory body;
 - Local authority;
 - Higher learning institution;
 - Government linked company;
 - Multinational company;
 - Hotel; and
 - Shopping complex.





URBAN ENVIRONMENTAL ACCORDS

uea 2017

MELAKA SUMMIT

"Green City, Sustainable City"



7-9 SEPTEMBER 2017

A'Famosa Resort Hotel
Alor Gajah | Melaka



"Green City, Sustainable City"

"The Melaka State Government of Malaysia will be hosting the 4th Urban Environmental Accords (UEA) Summit in September 2017. The official announcement has made by the UEA Secretariat from Gwangju, South Korea during the 3rd Summit in Iloilo, Philippines in 2015. This summit will be held from 7th - 9th September 2017 at the A'Famosa Resort Hotel, Alor Gajah, Melaka."



YAB DATUK SERI Ir. HAJI IDRIS BIN HAJI HARON
CHIEF MINISTER OF MELAKA



YB DATUK WIRA HAJI MD. YUNOS BIN HUSIN
THE EXECUTIVE COUNCILLOR FOR EDUCATION,
HIGHER EDUCATION, SCIENCE AND TECHNOLOGY,
GREEN TECHNOLOGY AND INNOVATION

"The Melaka State Government of Malaysia is actively involved with the 'Green City Action Plan' (GCAP) project to convert her energy use into a renewable energy up to 20% by 2020."



YBHG DATUK HAJI MURAD BIN HAJI HUSIN
MAYOR OF THE ALOR GAJAH MUNICIPAL COUNCIL

"Green Urban Development should involve systematically with urban planning and architecture of the overall development of a comprehensive and balancing society. The urban sustainability also takes into account the impact on the environment, including the use of energy, natural water resources and waste."

SUMMIT AGENDA

SEPTEMBER 6, 2017	SEPTEMBER 7, 2017	SEPTEMBER 8, 2017	SEPTEMBER 9, 2017
<ul style="list-style-type: none"> Registration A'Famosa Resort Hotel, Alor Gajah 	<ul style="list-style-type: none"> Opening Ceremony Plenary 2 Breakout session 1 & 2 UEA Executive Committee Meeting Welcome Cocktail Reception 	<ul style="list-style-type: none"> Plenary 3 Breakout session 3 & 4 UEA Conference of Member Cities Official Dinner 	<ul style="list-style-type: none"> Closing Ceremony Eco Tour

With Cooperation:



Melaka organizing the UEA Summit 2017 from 7th - 9th September 2017

REGISTRATION & CHECK-IN
A'Famosa Municipal Council
Jalan Dato' Dal Said
78000, Alor Gajah, Melaka
Website: www.alor.gajah.gov.my

ACCOMMODATION
A'Famosa Resort Hotel
Jalan Kemut, Simpang Ampat
78000, Alor Gajah, Melaka.
Tel: 606-758-3200
Fax: 606-758-3205
Website: www.afamosa.com

UEA MELAKA SUMMIT 2017

MELAKA UNESCO WORLD HERITAGE CITY

