RESOURCES OPTIMISATION & LOW CARBON: 
Overview of Circular Economy Initiatives in Iskandar Malaysia

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Iskandar Malaysia Holistic Eco-system

Resilient ecosystem: wealth generators, creating regional wealth that is shared among communities. Wealth generation and wealth-sharing, optimal use of ecological assets and enhanced Quality of Life. Robust spatial planning and management and good governance would enable the realisation of its Vision and goals by 2025.
Low Carbon Society Blueprint for Iskandar Malaysia 2025 >>> 2030

- Launched: 30 Nov 2012, COP18 Doha, Qatar;
- A guide for Govts, agencies/policy-makers, businesses, NGOs and communities;
- 12 Actions grouped into 3 Themes with a total of 281 Programmes;
- Each Action contains an analysis, list of programmes and potential reduction of GHG emission;
- June 2020: 76 programmes done; 186 on-going;
Low Carbon Society Iskandar Malaysia 2030

GREEN ECONOMY GUIDELINES: Implementation

INDUSTRIAL SYMBIOSIS & ECO-TOWNS:
Collaboration with Kitakyushu City & Other International Funders

WASTE TO ENERGY:
Private Sector Collaborations

DECARBONISING TECHNOLOGIES:
Collaboration with Toyama City

SINGLE-USE PLASTICS & MARINE POLLUTION:
Collaboration with Johor State Government through Johor Low Carbon Council
1. Iskandar Malaysia envisioned industrial development that is sustainable and inclusive that embraces a smarter and cleaner business such as optimal resource efficiency options, reduced ecological footprints, and fighting climate change.

2. IRDA plans to do the Eco-Town Model that incorporates industrial symbiosis concept to facilitate towards a circular economy in Iskandar Malaysia.

3. Promote and drive industrial cooperation and synergies for greater environmental, social, and economic benefits.

Contributions to the Sustainable Development Goals through facilitating the development of eco-towns or eco-industrial parks that represent an inclusive and sustainable development strategy.
Currently preparing Action Plan for Industrial Symbiosis & Eco-Towns to be ready for Year 2021

Expected Issues and Challenges:

• Environmental policies
• Buy-in from industry players - cooperation and trust between industries in the area
• Economic barriers – access to capital
• Lack of information sharing
## Circular Economy Initiatives: What we need to do from now?

<table>
<thead>
<tr>
<th>Policies/Programmes/Initiatives</th>
<th>Platforms/Channels</th>
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<tbody>
<tr>
<td><strong>Objective 1:</strong> Continue to <strong>build the momentum of trust and cooperation</strong> between stakeholders within Iskandar Malaysia through the various projects/initiatives - community green projects; Eco-Life Challenge for Schools; FELDA Low Carbon Village; PESISIR platform etc.</td>
<td>• Local communities</td>
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<td><strong>Federal &amp; State Governments</strong></td>
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<td>• Local Authorities (Low Carbon Society Action Plans)</td>
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<td><strong>Academia</strong> (Education Dept, UTM, Schools)</td>
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<td>• PESISIR</td>
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<td><strong>Businesses</strong></td>
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<td>• Developers</td>
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<td>• NGOs &amp; Other Interest Groups</td>
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<td><strong>Objective 2:</strong> Take advantage of the international and public attention on marine plastic pollution/SUP to raise political and social priorities for circular economy and society in IM.</td>
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<td><strong>Objective 3:</strong> Engage the public and media in a continuing and regular dialogue to deepen IRDA’s current circular economy strategies and initiatives and <strong>enhance everyone’s involvement through tangible projects/programmes.</strong></td>
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<td><strong>Objective 4:</strong> Implement the “Iskandar Declaration on the Environment” to get Commitment to Environmental Sustainability.</td>
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Towards Zero Carbon Region

Nature-based Solutions

Nine Promoted Sectors

Fed Policy

CDPii

Local People

LCS BP

Sustainable Infrastructure

Strong & Sustainable Metropolis of International Standing

Johor Low Carbon Council

Community involvement; Low carbon lifestyle; IMELC

PT TODs

Child-Friendly Infrastructure; Nature-based solutions

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Green Supply Chains

Global

JSP

Green Economy & Green Growth

GCoM CAP

SWM

Circular Economy

Green Economy & Green Growth

EE & RE Green Buildings

Dev Plans

IMUO

RE-New Urban Agenda

Decarbonising development/Development Process

Community involvement; Low carbon lifestyle; IMELC

PT TODs

Child-Friendly Infrastructure; Nature-based solutions

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Community involvement; Low carbon lifestyle; IMELC

PT TODs

Child-Friendly Infrastructure; Nature-based solutions

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THANK YOU

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