



Green ICT – The Malaysia's Perspectives



Green ICT – The Malaysia's Perspectives Background

- Key milestone for ICT industry in Malaysia started in 1997 when MSC Malaysia became the national agenda for nation's development.
 - Malaysia had pushed for eGovernment program as one of its flagship initiative under the MSC Malaysia.
 - In April 2009, the Ministry of Energy, Green Technology and Water was established in a cabinet reshuffle to replace the Ministry of Energy, Water and Communications.
 - The concept of green ICT was introduced in Malaysia quite recently and it is still at a nascent stage in Malaysia
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NATIONAL GREEN TECHNOLOGY AND CLIMATE CHANGE COUNCIL



DEVELOPMENT OF GREEN TECHNOLOGY ROADMAP



SECTORS IN SCOPE



ENERGY



BUILDING



MANUFACTURING

GREEN ICT



TRANSPORTATION

WATER & WASTE MANAGEMENT



Water transfer in the industry



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ICT Sector Green Initiatives

a) e-Hasil

- Provide online services for income tax purposes such as filing and payment.

b) e-Perolehan

- Official Portal for Malaysian Government Procurement.

c) MyEG

- Improve public delivery through greater convenience and accessibility at a small fee. It allows the public to easily acquire information about driver’s licenses, traffic summons, paying electric bills and paying water bills.

d) SME e-Commerce project – Mdex.my

- To provide an online platform in 2010 that allows buyers and sellers to do business without having to travel.

e) Online banking (CIMB Clicks & Maybank2u.com)

f) Green@Basis Bay Data Centre (Green Data Centre)

- Promotes the adoption of green technology through its sustainable services and offerings.

g) DiGi Deep Green

h) ASTRO’s Environmental Strategy Plan

i) Green Directory

j) BCIS – Online building consumption input system (reporting system energy efficiency)



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Green Growth Strategies in ICT Sector – Key Focus Areas

eServices

- Enabling SMEs and citizens with e Services
- E-Government
- Legalized e-Docs

Green Data Center

- Developing green data center
- Consolidation of government hosting
- Enhancing awareness among business

Unified Communication

- Enabling increased participation of local players
- teleworking

Green ICT Practices (3Rs)

- Enabling government agencies with green ICT practices
- Enabling enterprises with green ICT practices
- Standards for IT equipment and labelling

Green ICT – The Malaysia's Perspectives Green Growth Strategies in ICT Sector – Key Focus Enablers

- Key focus enablers refers to the supporting structure to ensure all the relevant strategies under KFA achieve the maximum result.

Human capital as core enablers

Infrastructure to support the implementation

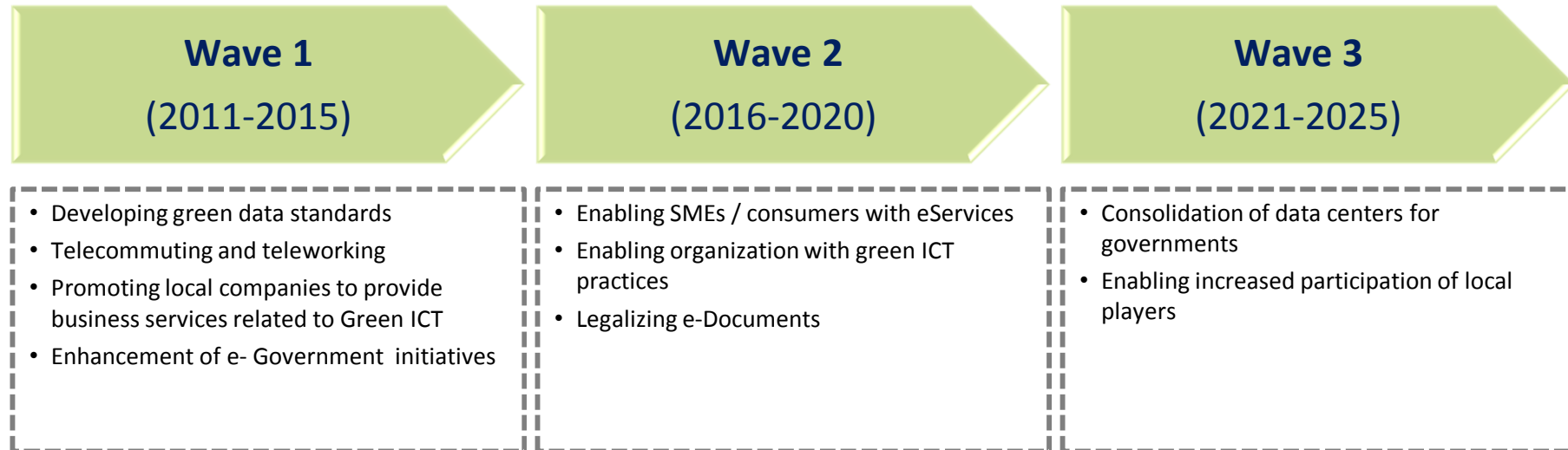
Financial incentives to increase adoption and encourage the industry development

Holistic regulatory framework towards sustainable green economy

Innovation



Green ICT – The Malaysia’s Perspectives Implementation Approach





Green ICT – The Malaysia's Perspectives Target KPI for ICT Sector

| KPIs | 2010 | 2015 | 2020 | 2025 |
|---|---------|---------|----------|----------|
| Social | | | | |
| No. of Green Jobs | 19,686 | 27,240 | 31,704 | 36,918 |
| Economic | | | | |
| Contribution to national GDP (RM Million) | 3,277.4 | 8,552.0 | 22,557.2 | 50,710.2 |
| Contribution to national GNI (RM Million) | 3,212 | 8,381 | 22,106 | 49,696 |
| Innovation | | | | |
| R&D Spending (RM Million) | 33 | 72 | 108 | 254 |



THANK YOU
