



# MyHIJAU Programme & Green Technology Financing Scheme

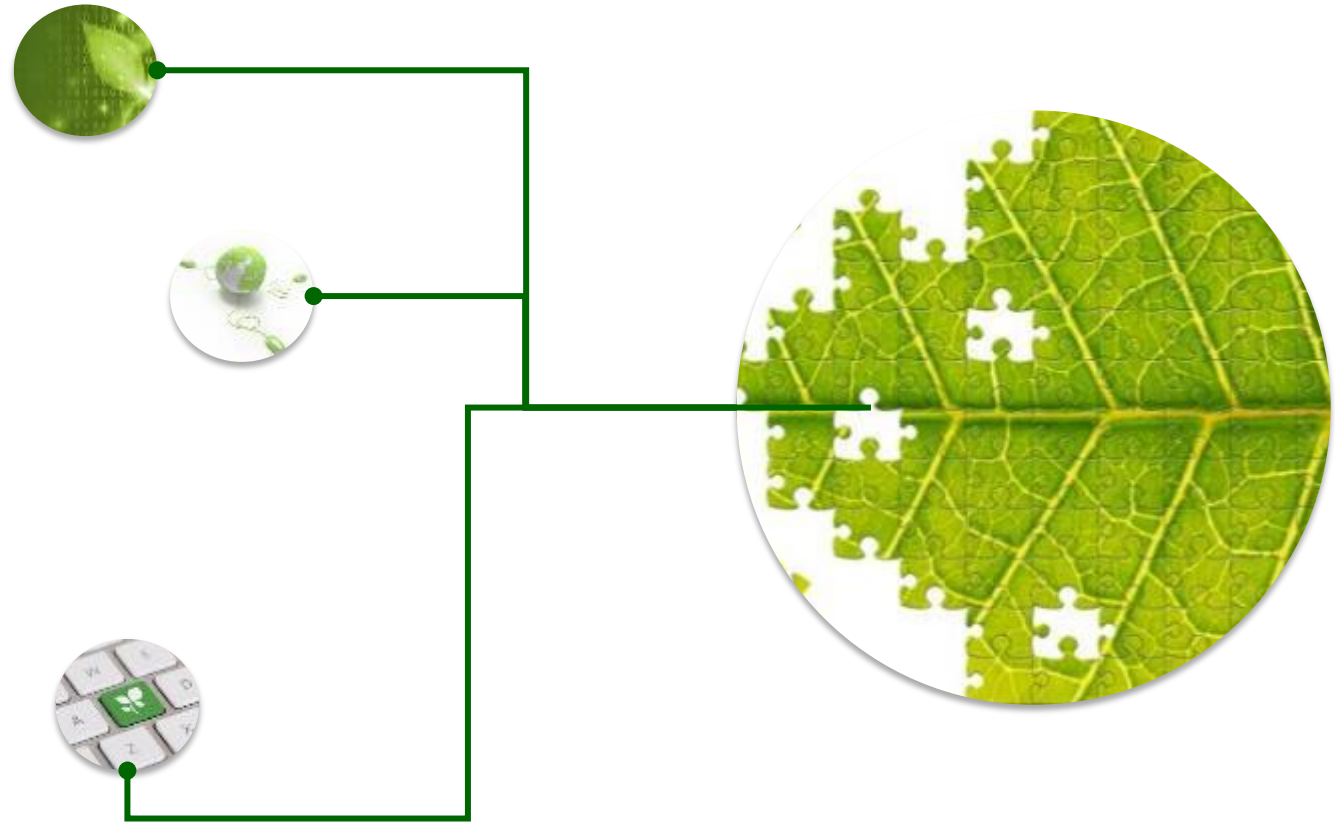
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Shah Alam, Selangor  
20 May 2015

# OUTLINE

- Green Technology Policy
- About GreenTech Malaysia
- MyHIJAU Mark & Directory
- MyHIJAU SME & Entrepreneur
- Green Technology Financing Scheme



# GREEN TECHNOLOGY POLICY

## Four Pillars of Green Technology Policy



**ENERGY**  
 Attain energy independence & promote efficient utilisation



**ENVIRONMENT**  
 Conserve and minimise the impact on the environment



**ECONOMY**  
 Enhance the national economic development through the use of technology



**SOCIAL**  
 Improve the quality of life for all



- Launched by the Malaysian Prime Minister on 24<sup>th</sup> July 2009.
- Policy Statement:** Green Technology shall be a driver to **accelerate the national economy** and **promote sustainable development**.



### Ministry of Energy, Green Technology & Water Malaysia (KeTTHA)

- Responsible for the planning and formulation of policies for the energy, green technology and water, as well as to facilitate and regulate the growth of these sectors.



### Malaysian Green Technology Corporation (GreenTech Malaysia)

- Responsible to implement and execute national green technology initiatives and programmes.

# ABOUT GREENTECH MALAYSIA



- Registered under the Companies Act 1965:
  - As a company limited by guarantee and not having a share capital;
  - Under the purview of Ministry of Energy, Green Technology & Water.
- First established as Malaysia Energy Centre (PTM) on 12<sup>th</sup> May 1998.
- Restructured as Malaysian Green Technology Corporation (GreenTech Malaysia) on 7<sup>th</sup> April 2010.
- **Purpose: To catalyse green technology deployment as Malaysia's strategic engine for socio-economic growth.**
- GEO building in Bandar Baru Bangi:
  - Officiated by YAB PM on 24<sup>th</sup> July 2009.
  - The first GBI certified building in Malaysia.
  - BEI = 30 kWh/m<sup>2</sup>/year.

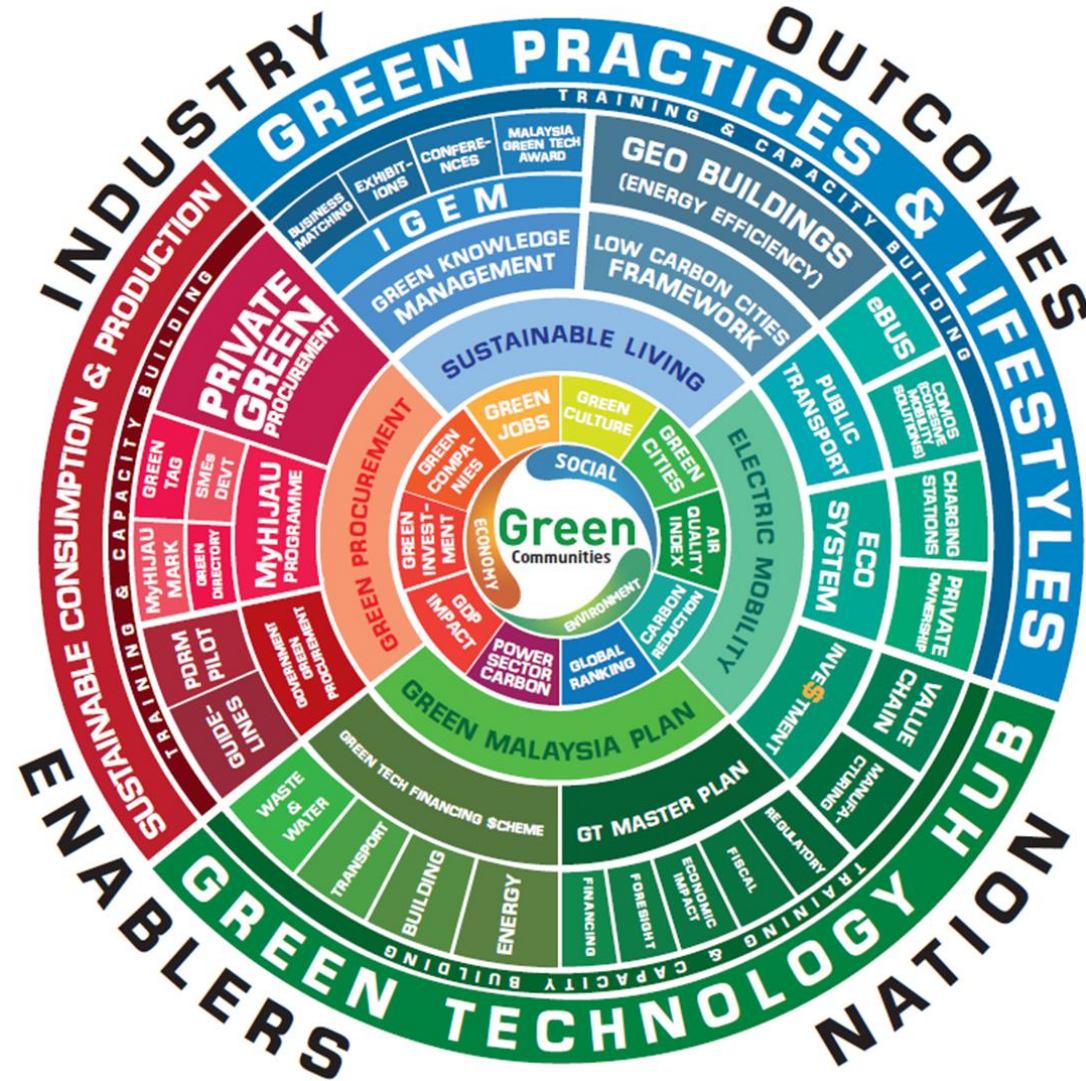


Winner of 2009 ASEAN  
Energy Award (RE Category)

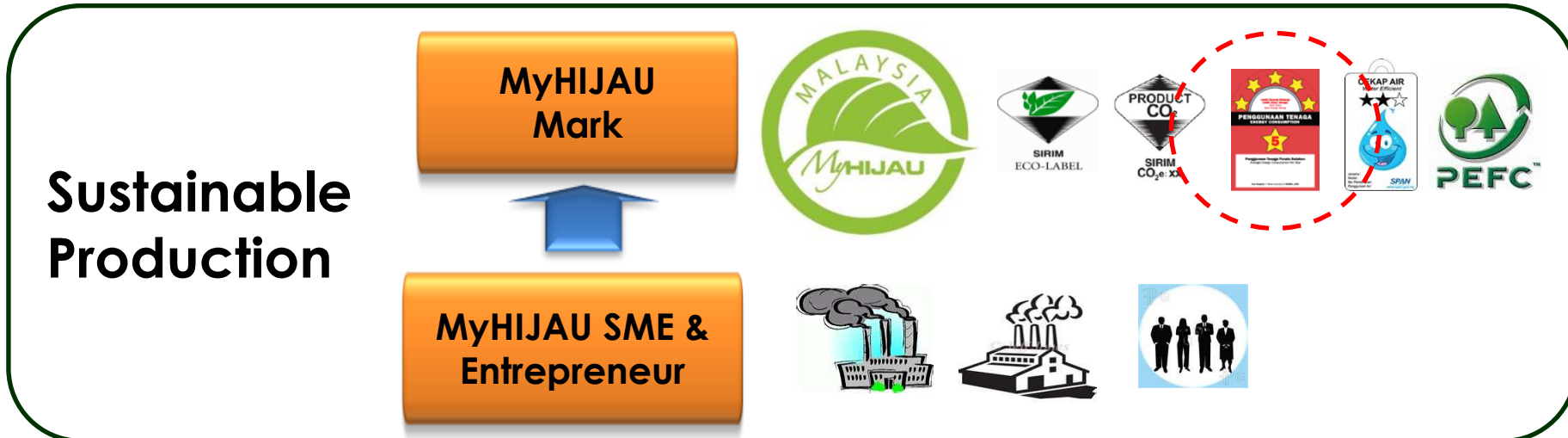
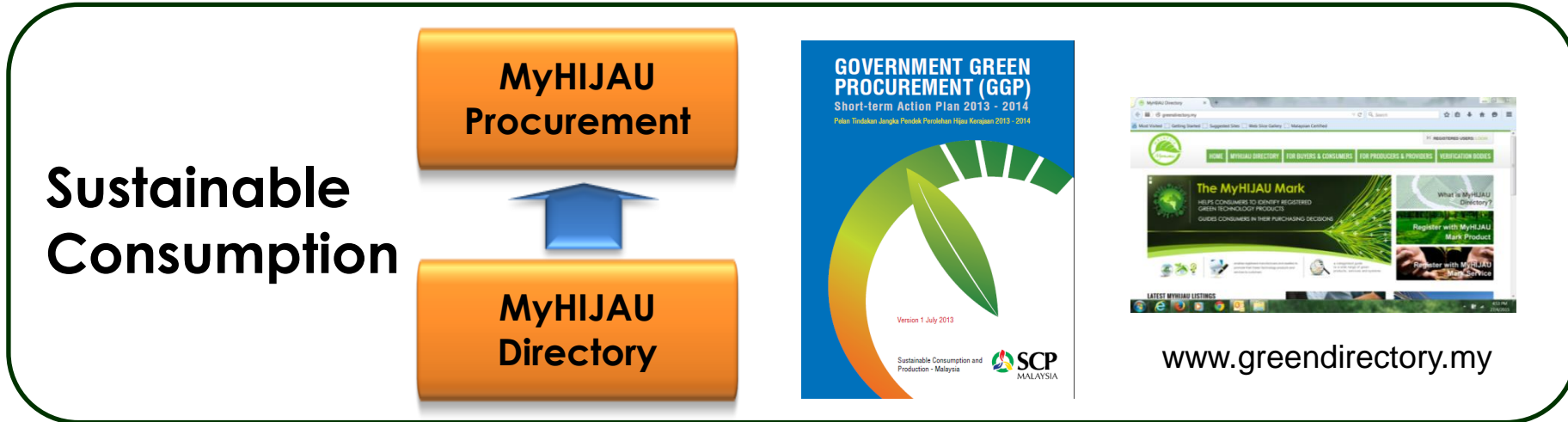




# GREENTECH MALAYSIA: FOCUS AREAS



# MyHIJAU PROGRAMME





# MyHIJAU MARK & DIRECTORY

# WHAT IS MyHIJAU MARK?

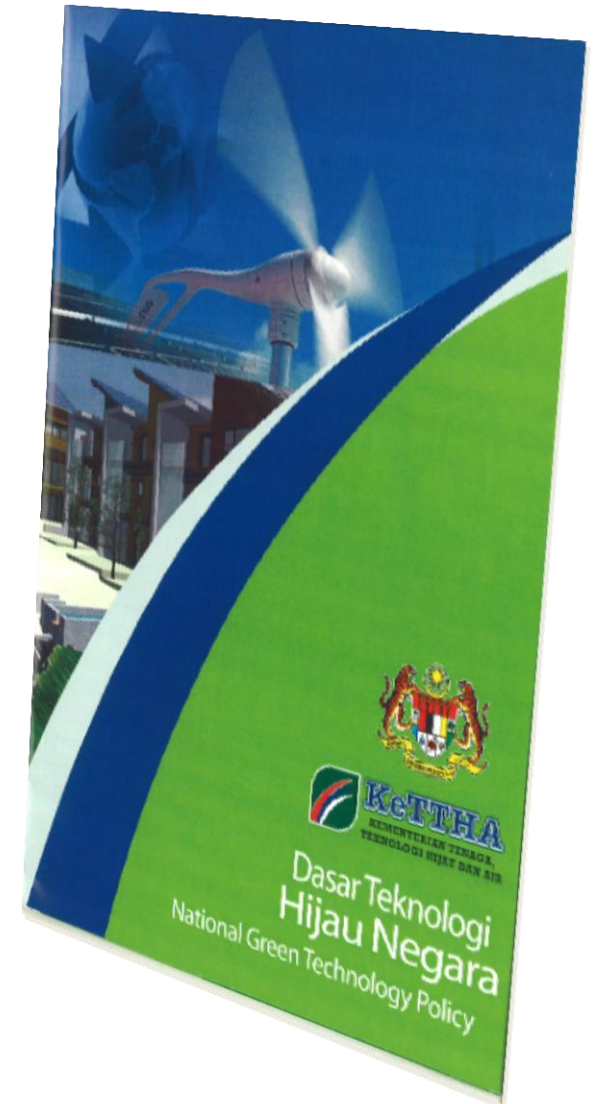
- The official label that recognises certified green Products and Services verified by GreenTech Malaysia to meet local and international environmental standards.
- All registered green products/services shall be listed in the MyHIJAU Directory





# ELIGIBILITY CRITERIA FOR MyHIJAU MARK

- The Products (including equipment and systems) or Services must be able to meet all of the following:
  - Minimise the degradation of the environment, or reduce greenhouse gas emissions
  - Promote health and/or improvement of the environment
  - **Conserve the use of energy**, water and/or other forms of natural resources, or promote the use of renewable energy or recyclable materials



# MyHIJAU MARK FOR ENERGY EFFICIENCY

## EE Product Manufacturers or Suppliers



- Must be a Malaysian Registered Business or Malaysian Registered Company;
- Authorised supplier must be appointed by the product manufacturer; and
- Must not be wound-up and/or liquidated.

## Energy Service Providers



- Must be a Malaysian Incorporated Company;
- Must not be wound-up and/or liquidated;
- Employ at least one manager/ supervisor personnel with recognised qualifications; and
- Demonstrate green practices through procedures or guidelines on environmental management.

# MyHIJAU MARK FOR ENERGY EFFICIENCY

- Registration fee is RM1,000 for a single certificate submission.
- Validity of the certificate must be at least six (6) months from its expiry.
- Product Criteria Documents (PCDs) or Test Report where applicable, must be enclosed for the submission.

## EE Product Manufacturers or Suppliers



- Registration fee is RM1,000 for a submission.
- For EE products leased as part of services, Green Label Certification or Performance Standard Compliance must be provided. Certification/compliance must be valid for a minimum of six (6) months from application date.

## Energy Service Providers



## VALIDITY OF MyHIJAU MARK LABEL

### EE Product Manufacturers or Suppliers



- Registration is valid from the date of approval, which is the date provided in the MyHIJAU Mark Certificate, or until the expiry of the validity of the EE product's Green Label Certification or Performance Standard Compliance subject to the maximum validity period of three (3) years of the MyHIJAU Mark certification date.

### Energy Service Providers



- Registration of a energy service provider as MyHIJAU Mark Services is valid for a period of one (1) year from the date of approval by GreenTech Malaysia, which is the date as provided in the MyHIJAU Mark Certificate.



## CATEGORIES UNDER MyHIJAU MARK (PRODUCTS)

















ISO 14024 Type I Eco-labels  
e.g. SIRIM Eco Labelling Scheme

ISO 14025 Type III Eco-labels  
e.g. SIRIM Carbon Footprint Labelling Scheme

Other Type I-like Voluntary Sustainable Scheme (VSS) e.g. **Energy Star**, WELPS & PEFC

Performance Standard Compliance  
e.g. **Minimum Energy Performance Standards (MEPS)** by Suruhanjaya Tenaga

# MyHIJAU MARK (PRODUCTS)

VERIFICATION/CERTIFICATION		SECTOR	LOGO
ISO 14024	Type I Eco Labelling Scheme	Manufacturing & Services	   
ISO 14025	Carbon Footprint Labelling Scheme	Manufacturing & Services	   
Other Type I-like VSS	Energy Efficiency Rating & Labelling Scheme	Energy	 
	Water Efficient Products Labelling Scheme	Water	 
	Timber Certification Scheme	Forestry	 

# LIST OF REGISTERED VERIFICATION/CERTIFICATION BODIES UNDER MyHIJAU MARK (PRODUCTS)

## Verification Bodies Recognised by MyHIJAU Mark

- SIRIM Eco-labelling Scheme
- Water Efficient Labelling Product Scheme (2 and 3-star only)
- Energy Efficiency Labelling Scheme (5-star only)
- Carbon Footprint Labelling Scheme
- Global GreenTAG Certification Scheme (for Global GreenTag LCARate Certification: minimum Bronze rating. For GreenRate Certification: minimum Level C)
- Green Building Index (partner to verify on building project)
- Malaysian Timber Certification Scheme (COC certification scheme only)
- Certification Bodies and/or Scheme Owners registered with Global Ecolabeling Network (GEN) i.e. Singapore Green Label, Japan Eco Mark, Thailand Green Label etc.



# MyHIJAU DIRECTORY (www.greendirectory.my)



The screenshot shows a web browser window displaying the MyHIJAU Directory website. The browser's address bar shows the URL "greendirectory.my". The website's header features the MyHIJAU logo on the left and a "REGISTERED USERS: LOGIN" link on the right. Below the logo is a navigation menu with five green buttons: "HOME", "MYHIJAU DIRECTORY", "FOR BUYERS & CONSUMERS", "FOR PRODUCERS & PROVIDERS", and "VERIFICATION BODIES".

The main content area is dominated by a large banner titled "The MyHIJAU Mark". The banner includes the text: "HELPS CONSUMERS TO IDENTIFY REGISTERED GREEN TECHNOLOGY PRODUCTS" and "GUIDES CONSUMERS IN THEIR PURCHASING DECISIONS". To the right of the banner are three smaller promotional boxes: "What is MyHIJAU Directory?", "Register with MyHIJAU Mark Product", and "Register with MyHIJAU Mark Service".

Below the banner, there are three small icons with accompanying text: a globe icon for "enables registered manufacturers and resellers to promote their Green Technology products and services to customers", a magnifying glass icon for "a categorized guide to a wide range of green products, services and systems", and a leaf icon.

At the bottom of the page, there is a section titled "LATEST MYHIJAU LISTINGS" with a partially visible image of a person's hands. The Windows taskbar at the bottom shows the time as 4:53 PM on 27/4/2015.



# MyHIJAU DIRECTORY (as at 15 May 2015)

Sector	Energy	Building	Transport	Waste & Water	Total
No. of Companies	 4	 12	 1	 3	20
No. of Products/ Services	9	49	1	7	66



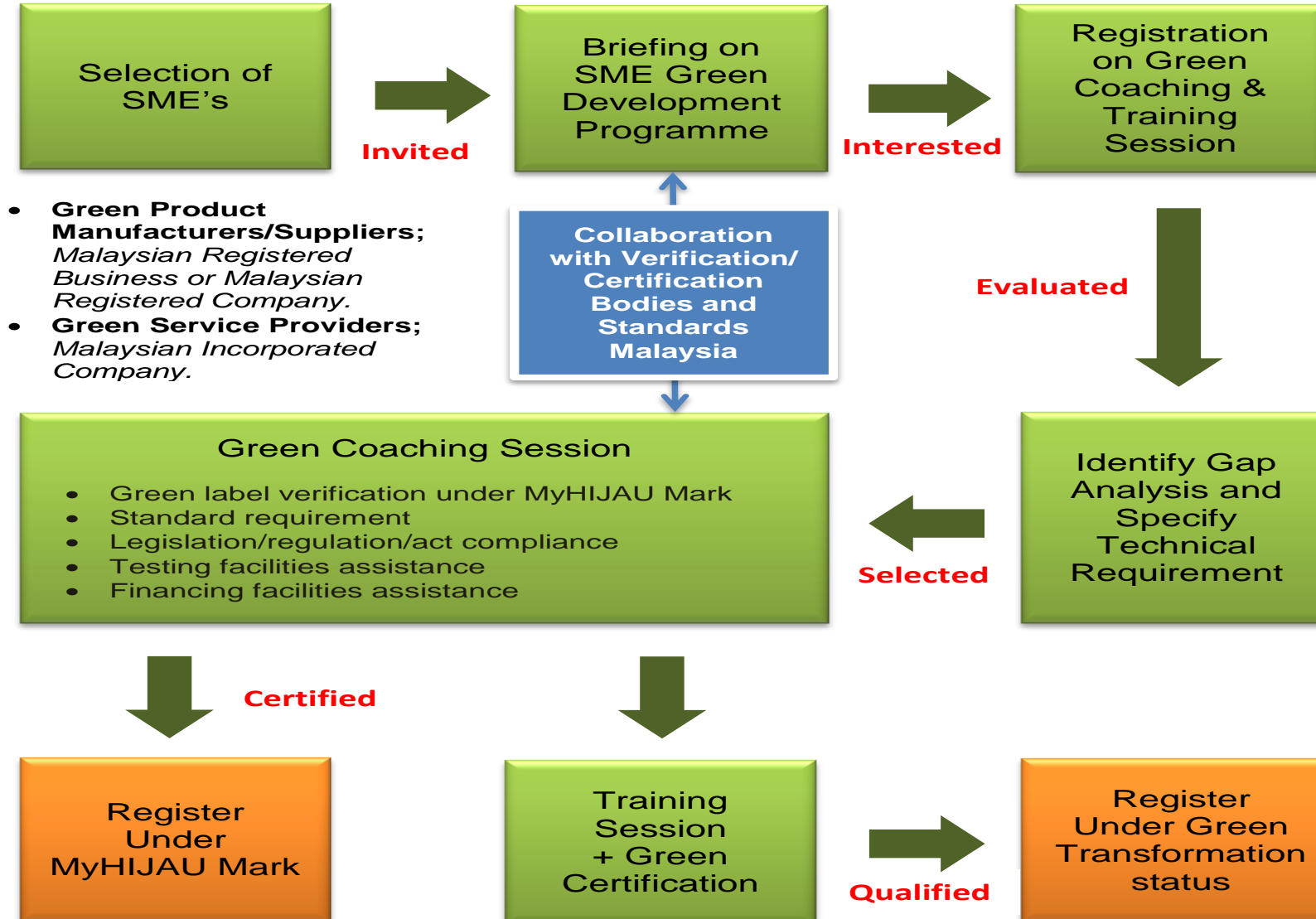
# MyHIJAU SME & ENTREPRENEUR

## OBJECTIVES:-

- To encourage the growth of local SMEs, including Bumiputera and women businesses, to adopt green practices and produce local green products and services.
- To facilitate the successful incorporation of best green practices and applications in the SMEs' operations.

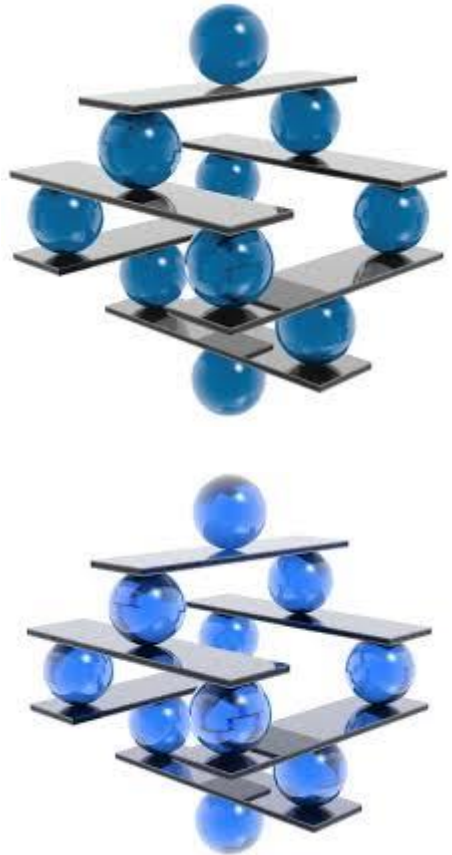


# ACTIVITIES FLOW OF MyHIJAU SME & ENTREPRENEUR





## BENEFIT TO SMEs



- ✓ Register under MyHIJAU Mark
- ✓ Recognised Green Transformation status
- ✓ Participate in National Standards Compliance Programme (NSCP) activities
- ✓ Reduce cost through Green Productivity (Material Cost Saving: MCS)
- ✓ Improve environmental performance through EMS
- ✓ **Increase energy efficiency through EnMS**
- ✓ Participate in Green Procurement
- ✓ Participate in promotion, awareness and marketing activities



# REGISTRATION FOR MyHIJAU SME & ENTREPRENEUR



## REGISTRATION FORM MyHIJAU SME & ENTREPRENEUR

(You are required to fill-up all necessary information before submitting your registration)

### COMPANY INFORMATION

Company Name	
Company Address	
Contact Person	
Designation	
H/P Number	
Office Number	
Email	

### COMPANY DETAILS - Please tick (✓) which applicable

Type of Company	Product(s) Manufacturer and/or <input type="checkbox"/>	Service Provider <input type="checkbox"/>
	Product(s) Supplier (Authorised by the manufacturer) <input type="checkbox"/>	Others (Please Specify): <input type="checkbox"/>
	Bumiputera (Indicates Bumiputera ownership is 100%) <input type="checkbox"/>	
	Women-Owned (Indicates women ownership > 60%) <input type="checkbox"/>	
Business Activities (manufacturing/ supplying product(s) or providing services)		
Category of Business	<input type="checkbox"/> <b>Micro Enterprises</b> (Across all sectors- Annual Sales < RM300,000 or full time employees < 5 workers)  <input type="checkbox"/> <b>Small Enterprises</b> (Manufacturing- Annual Sales < RM15 million or full time employees < 75 workers) (Services- Annual Sales < RM3 million or full time employees < 30 workers)	

### ADDITIONAL INFORMATION

#### Environmental Certification

Any certification received on operation as below?

- a. ISO 9001 - Quality Management Systems
- b. ISO 14001 - Environmental Management Systems
- c. ISO 50001 - Energy Management Systems; or Energy Management Gold Standard (EMGS)

Please tick (✓) for the type of products/services as below:-

#### (1) SIRIM- ECO LABELLING SCHEME

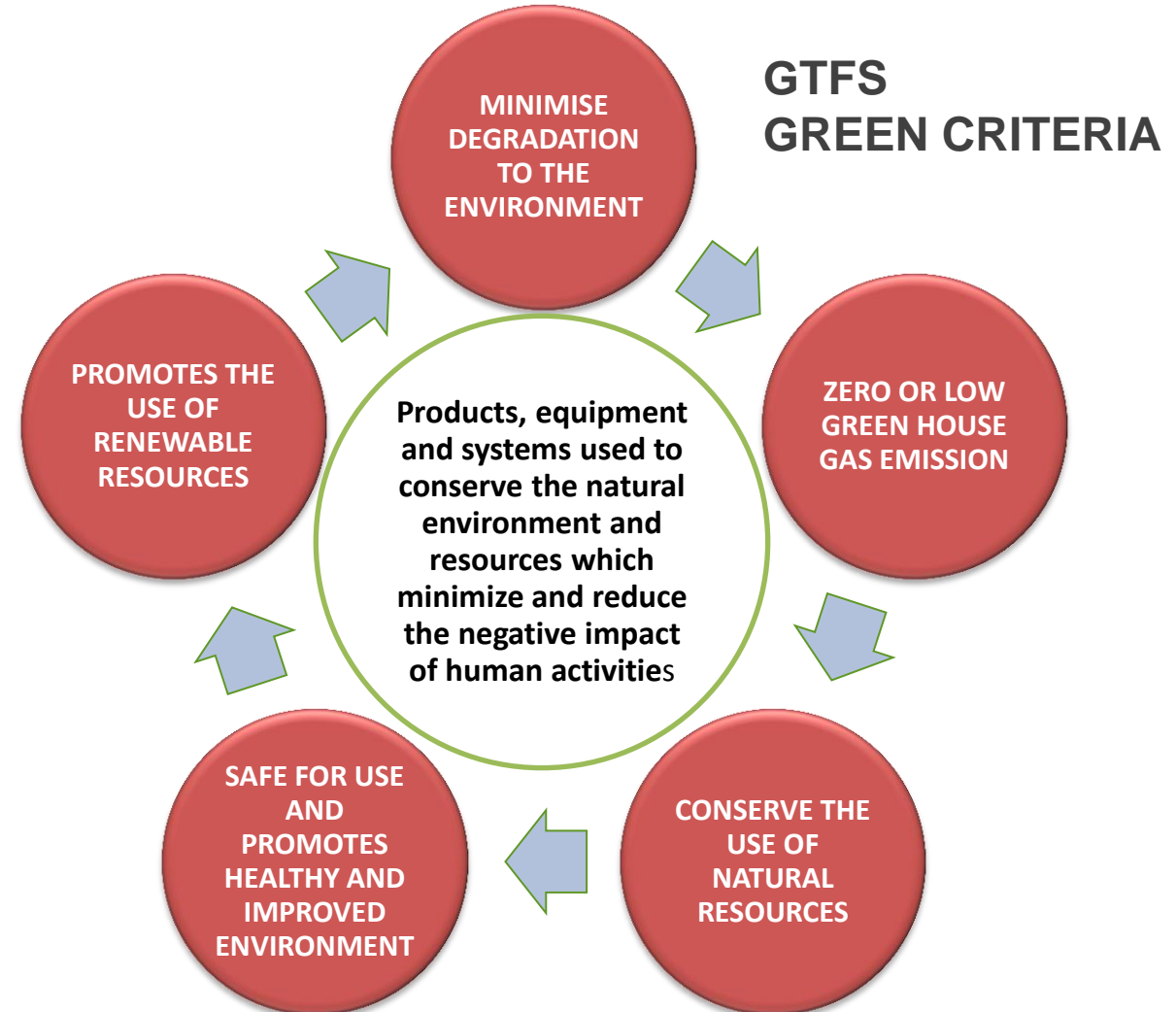
Type of Products/Services		Type of Products/Services	
<input type="checkbox"/>	ECO 01- Environmentally Degradable & Non Toxic Plastic Packaging Material	<input type="checkbox"/>	ECO 27- Luminaires and Light Source for Interior Lightings
<input type="checkbox"/>	ECO 02- Hazardous Metal-Free Electrical & Electronic Equipment & Parts	<input type="checkbox"/>	ECO 28- Paper Printed Material
<input type="checkbox"/>	ECO 03- Biodegradable Cleaning Agents	<input type="checkbox"/>	ECO 29- Cement
<input type="checkbox"/>	ECO 04- Recycled Paper	<input type="checkbox"/>	ECO 30- Ballpoint Pen
<input type="checkbox"/>	ECO 05- Biofibre Composite Construction Material	<input type="checkbox"/>	ECO 31- Flat Glass Products
<input type="checkbox"/>	ECO 06- Food-Grade Lubricants	<input type="checkbox"/>	ECO 32- Coated Flat Steel Products
<input type="checkbox"/>	ECO 07- Floor Mat	<input type="checkbox"/>	ECO 33- Concrete Roofing Tiles
<input type="checkbox"/>	ECO 08- Fabric Care Products	<input type="checkbox"/>	ECO 34- Apparel and Textile Products from Natural Fibres
<input type="checkbox"/>	ECO 09- Tableware From Biomass	<input type="checkbox"/>	ECO 35- Carpet
<input type="checkbox"/>	ECO 10- Adhesives	<input type="checkbox"/>	ECO 36- Biomass Pellets and Briquette
<input type="checkbox"/>	ECO 11- Water-Based Adhesives	<input type="checkbox"/>	ECO 37- Solar Water Heater System
<input type="checkbox"/>	ECO 12- Paper-Based Packaging Products	<input type="checkbox"/>	ECO 38- Metal Decking and Paneling
<input type="checkbox"/>	ECO 13- Organic Fertilizers	<input type="checkbox"/>	ECO 39- Rainwater Harvesting Systems
<input type="checkbox"/>	ECO 14- Recycled Rubber Products	<input type="checkbox"/>	ECO 40- Ceramic Sanitary Wares



# **GREEN TECHNOLOGY FINANCING SCHEME (GTFS)**

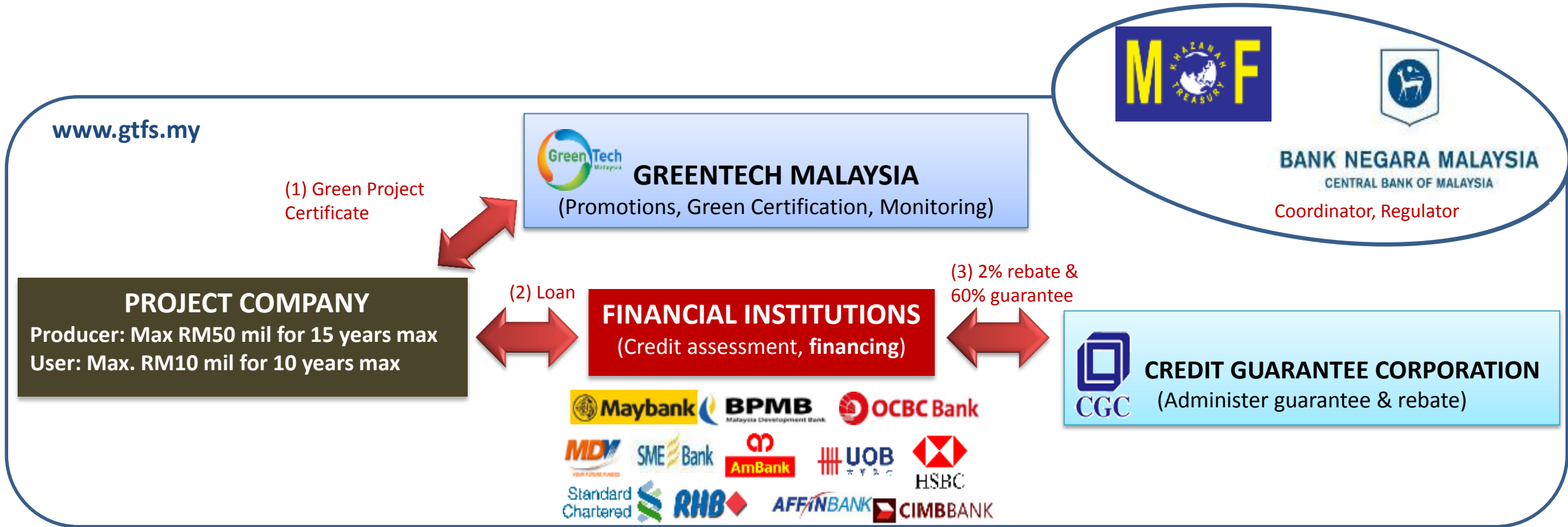
# GREEN TECHNOLOGY FINANCING SCHEME (GTFS)

- **Financial Incentive introduced in 2010.**
  - RM1.5 billion in National Budget 2010 (incentive period ending in Dec 2012)
  - Additional RM2 billion allocation in 2013 (incentive period ending in Dec 2015)
  - Total allocation RM3.5 billion
- **Objective is to promote green investments by providing easier access to financing and at lower financing costs.**
- **Incentives:**
  - 60% guarantee by Government on green financing cost
  - 2% rebate on financing interest rate of green technology cost





# IMPLEMENTATION MECHANISM AND KEY AGENCIES

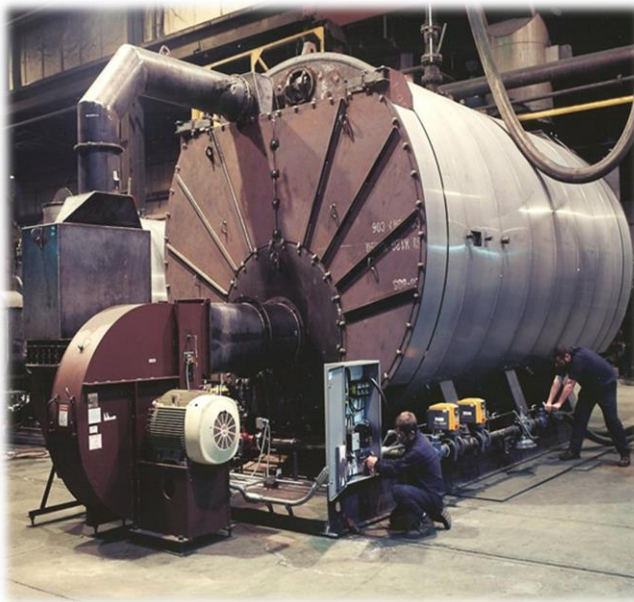


- Financing will be provided by all commercial & Islamic banks and Development Financial Institutions (DFIs)
- 0.5% p.a. guarantee fee to the government
- Projects are to be located in Malaysia
- Refinancing is not allowed

# GTFS KEY FEATURES

Features	Producer of Green Technology	User of Green Technology
<b>Purpose</b>	To finance investment for the production of green products	To finance investment in the utilization of green technology
<b>Financing Size</b>	Maximum: RM50 million per company	Maximum: RM10 million per company
<b>Financing Tenure</b>	Up to 15 years	Up to 10 years
<b>Eligibility</b>	Legally registered Malaysian companies that have at least 51% Malaysian shareholding	Legally registered Malaysian companies that have at least 70% Malaysian shareholding
<b>Participating Financial Institutions (PFIs)</b>	All commercial and Islamic banks, and DFIs (Bank Pembangunan, SME Bank, Agrobank, Bank Rakyat, EXIM Bank and Bank Simpanan Nasional)	
<b>Government Incentives</b>	<ul style="list-style-type: none"> <li>• Rebate of 2% per annum of interest/profit rate</li> <li>• 60% Government guarantee of financing amount</li> </ul>	
<b>Application Date</b>	The Scheme will open until 31 December 2015 or upon approval of financing up to RM3.5 billion, whichever is earlier	

# EE IN ENERGY SECTOR



## ENERGY UTILISATION

Application of Green Technology in all energy utilisation sectors and in demand side management programmes such as:-

- Increase of efficiency through;
  - ✓ *Rational use of energy*
  - ✓ *Process improvement*
  - ✓ *Replacement of equipment*
  - ✓ *Energy recovery system*
  - ✓ *Waste, reject reduction*
- Use of green materials
- Improve working environment
- New process to produce green products



# EE IN BUILDING SECTOR

Adoption of Green Technology in the construction, management, maintenance and demolition of buildings including:-

- Energy Efficiency & Renewable Energy
- Indoor Environmental Quality
- Sustainable Site Planning & Management
- Materials & Resources
- Water Efficiency
- Innovation





# GTFS GREEN PROJECT CERTIFICATE



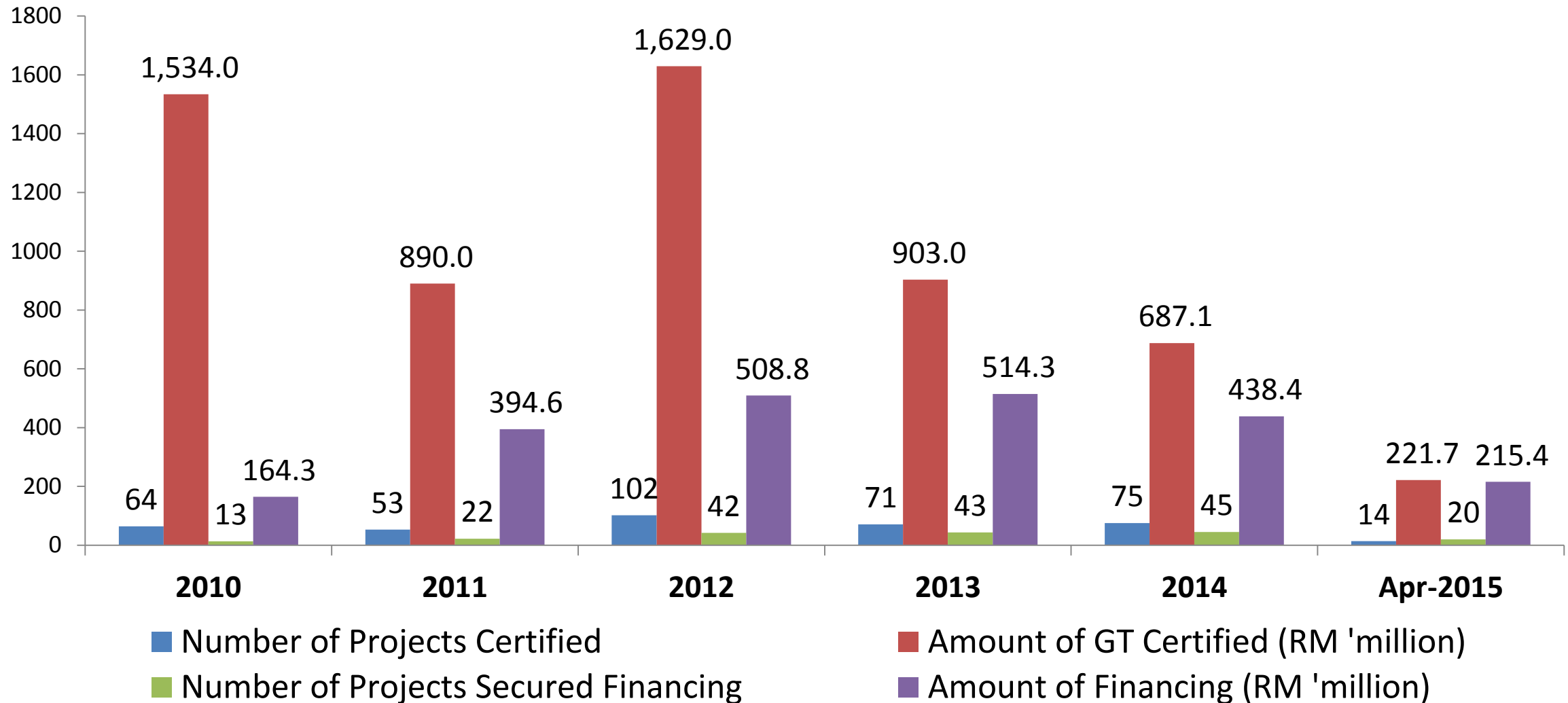
- 6 months validity period
- Only to be used to apply for financing under GTFS
- Green Project Certificate
  - *Company Name*
  - *Project Name*
  - *Project Serial Number*
  - *Category*
  - *Sector*
  - *GT Project Cost*
  - *Issue Date & Validity*

## GTFS STATUS FROM 1 JAN 2010 – 30 APRIL 2015

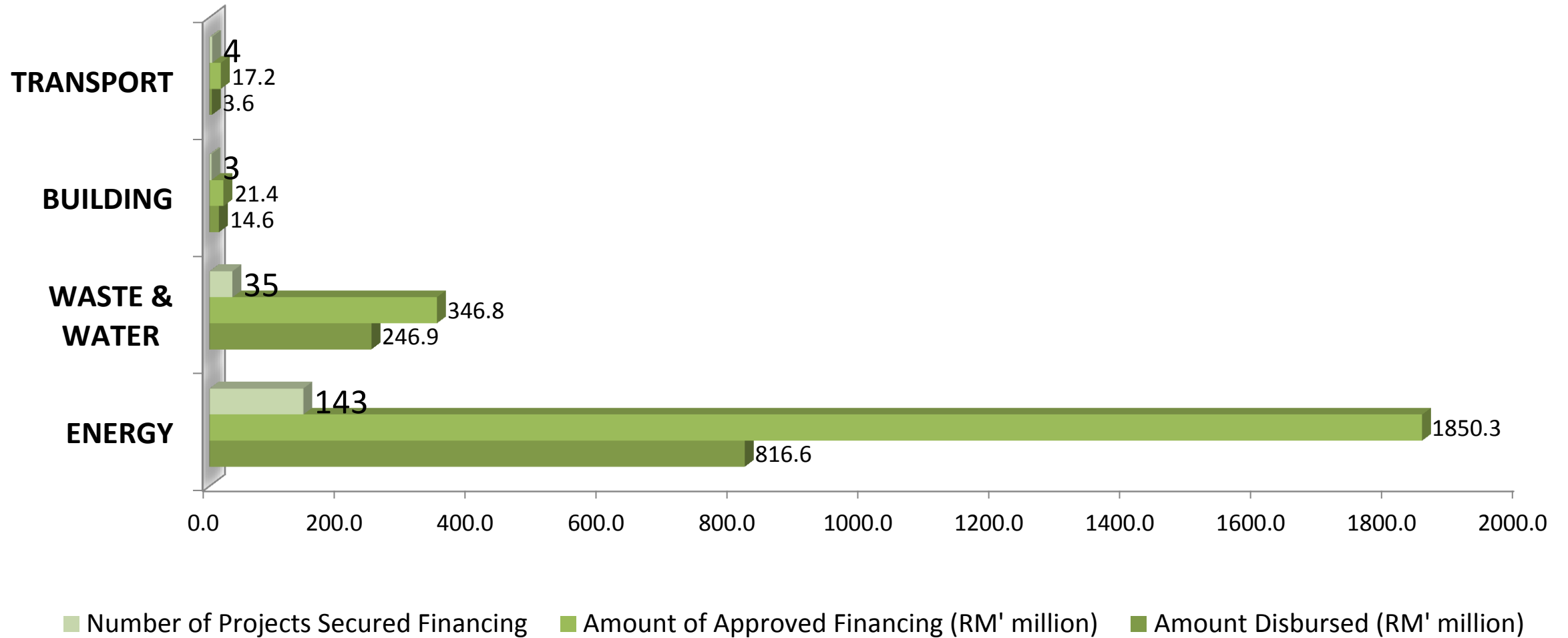
**As of 30 April 2015**

<b>Total GTFS allocated to the scheme (RM)</b>	<b>3,500,000,000.00</b>
<b>Total financing (RM)</b>	<b>2,235,717,345.00</b>
<b>Balance of GTFS (RM)</b>	<b>1,264,282,655.00</b>
<b>Total number of projects financed</b>	<b>185</b>

# BREAKDOWN BY YEARS

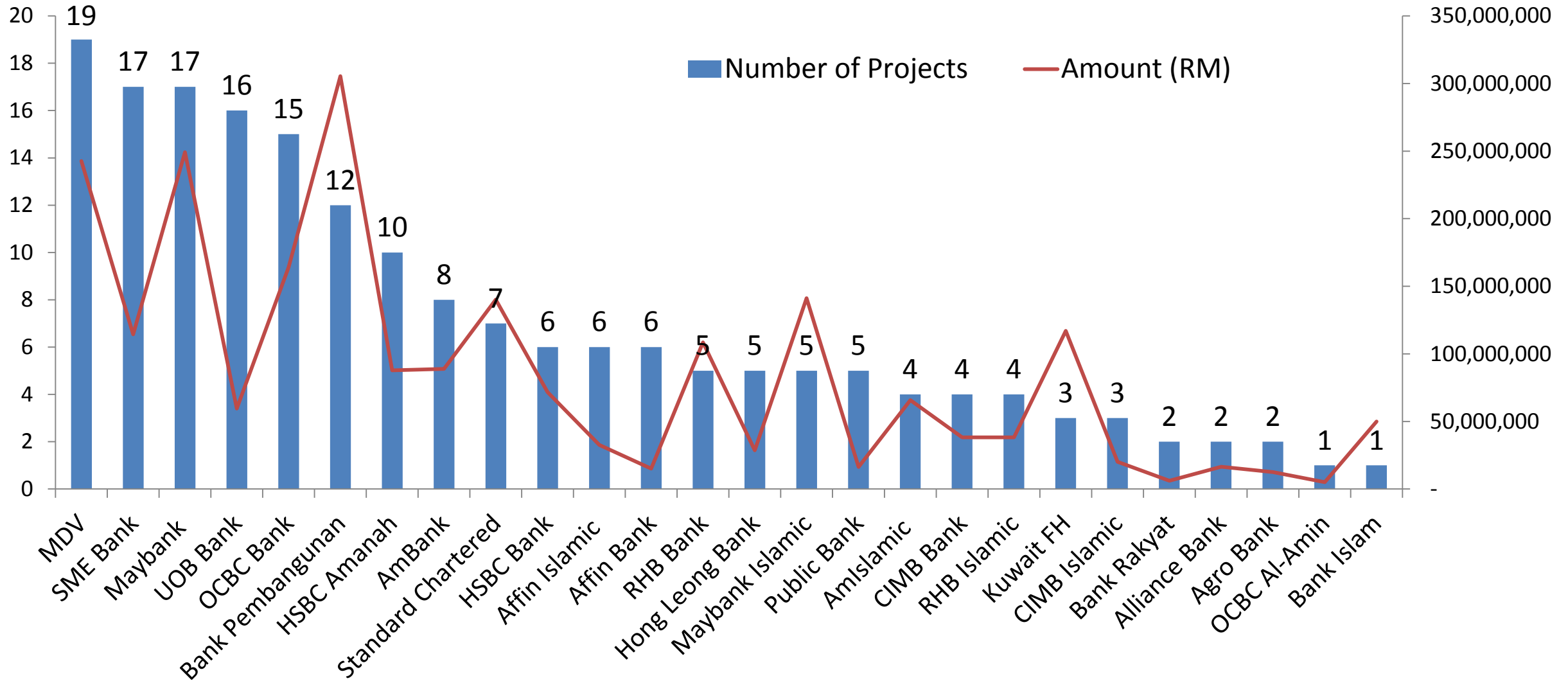


# BREAKDOWN BY SECTOR FOR PROJECTS (SECURED FINANCING)





# BREAKDOWN BY FINANCIAL INSTITUTIONS



## BREAKDOWN BY EE PROJECTS

No.	Name of Financial Institutions	Number of Projects	Amount of Financing
1	SME Bank	1	8,843,052.00
2	Agro Bank	1	3,500,000.00
3	Ambank	1	2,100,000.00
4	Amlslamic	2	6,000,000.00
5	Bank Rakyat	1	4,435,000.00
6	CIMB Bank	2	7,800,000.00
7	HSBC Amanah	1	563,000.00
8	OCBC Al-Amin	1	5,000,000.00
9	RHB Bank	1	4,700,000.00
10	Standard Chartered	1	1,500,000.00
<b>TOTAL</b>		<b>12</b>	<b>44,441,052.00</b>

# TYPE OF PROJECTS

Type of Projects	Green Project Certificate		Projects with Secured Financing		Financing Amount (RM)
	Number of Projects	Percentage (%)	Number of Projects	Percentage (%)	
Solar Farm (RE)	15	4.0%	14	7.6%	450,176,640.00
Solar-BIPV System (RE)	103	27.2%	69	37.3%	409,223,010.00
Biomass Power Plant (RE)	19	5.0%	13	7.0%	406,878,610.00
Hydro Power Plant (RE)	15	4.0%	8	4.3%	264,858,250.00
Green Product Manufacturer	61	16.1%	23	12.4%	189,512,960.00
Biogas Power Plant (RE)	29	7.7%	14	7.6%	135,052,600.00
Waste Recycling	41	10.8%	16	8.6%	128,608,106.00
Pulp	7	1.8%	3	1.6%	97,500,000.00
Pellet Plant	21	5.5%	5	2.7%	61,345,117.00
<b>Energy Efficiency</b>	<b>40</b>	<b>10.6%</b>	<b>12</b>	<b>6.5%</b>	<b>44,441,052.00</b>
Compost	18	4.7%	4	2.2%	39,451,000.00
Dry Fiber	10	2.6%	4	2.2%	8,670,000.00
<b>TOTAL</b>	<b>379</b>	<b>100.0%</b>	<b>185</b>	<b>100.0%</b>	<b>2,235,717,345.00</b>

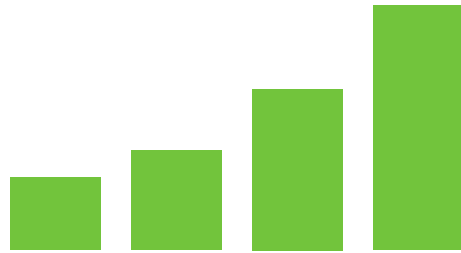
## EE PROJECTS IN GTFS

Type of Sector	Number of Green Project Certificates	Projects with Secured Financing		Financing Amount (RM)
		Number of Projects	Percentage (%)	
BUILDING	9	2	16.7%	13,843,052.00
ENERGY	22	5	41.7%	10,663,000.00
TRANSPORT	1	1	8.3%	5,300,000.00
WASTE & WATER	8	4	33.3%	14,635,000.00
<b>TOTAL</b>	<b>40</b>	<b>12</b>	<b>100%</b>	<b>44,441,052.00</b>



# IMPACTS

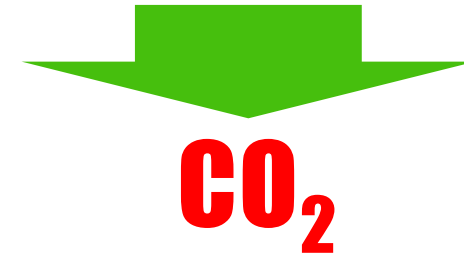
As of 30 April 2015, 185 Green Projects have been funded by 26 banks, amounting to RM2.236 billion



**GREEN INVESTMENTS:**  
**RM4.41 billion**

**GREEN  
JOBS**

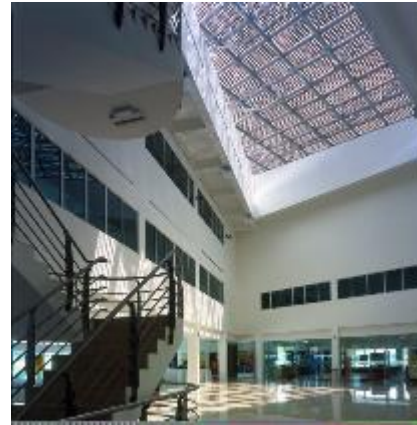
**GREEN EMPLOYMENT:**  
**2,898 jobs**



**GHG EMISSIONS REDUCTION:**  
**2.65 million tonnes CO<sub>2</sub>**



***“Catalysing green technology deployment as Malaysia’s strategic engine for socio-economic growth”***



**Malaysian Green Technology Corporation**

No. 2, Jalan 9/10, Persiaran Usahawan, Seksyen 9,  
43650 Bandar Baru Bangi, Selangor Darul Ehsan, MALAYSIA

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