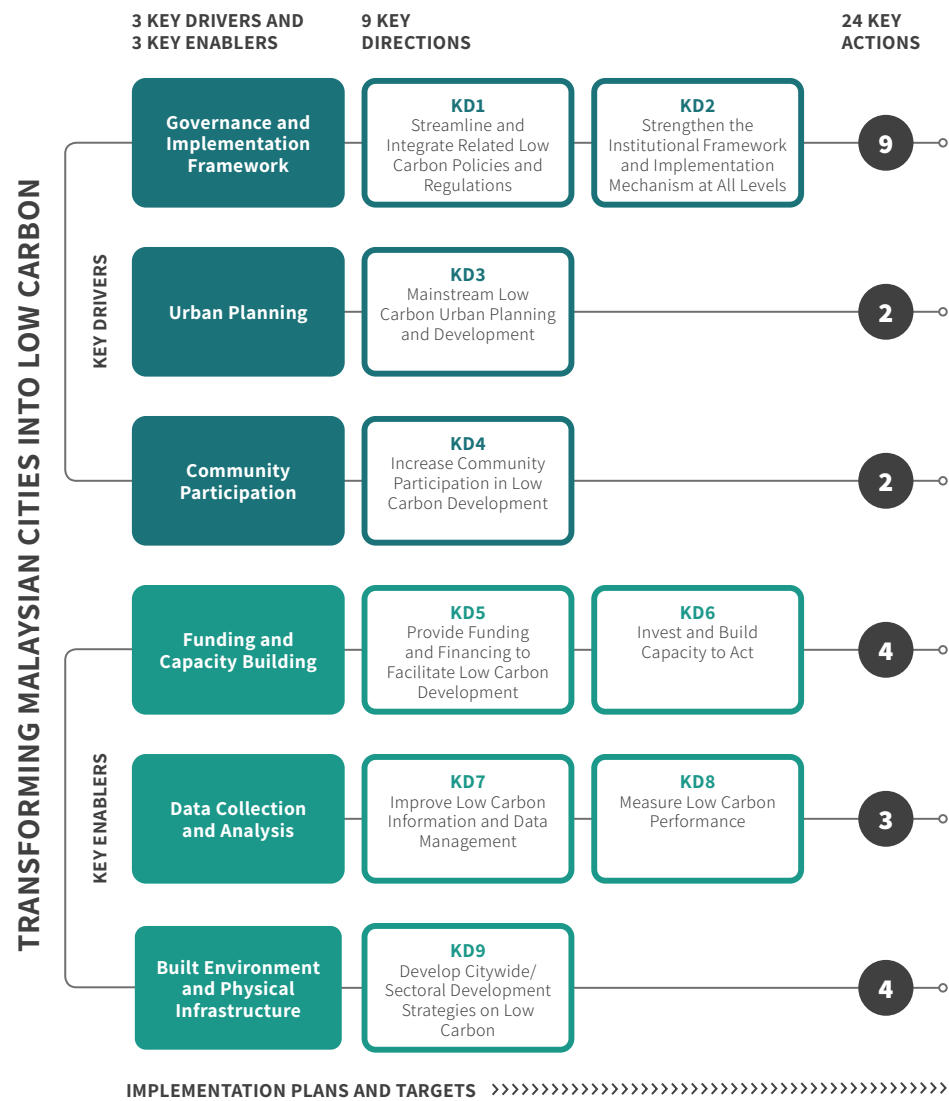


# Synopsis of Action Plans

In shaping the pathway of low carbon development in Malaysia, the following action plans are recommended to drive the transformation.

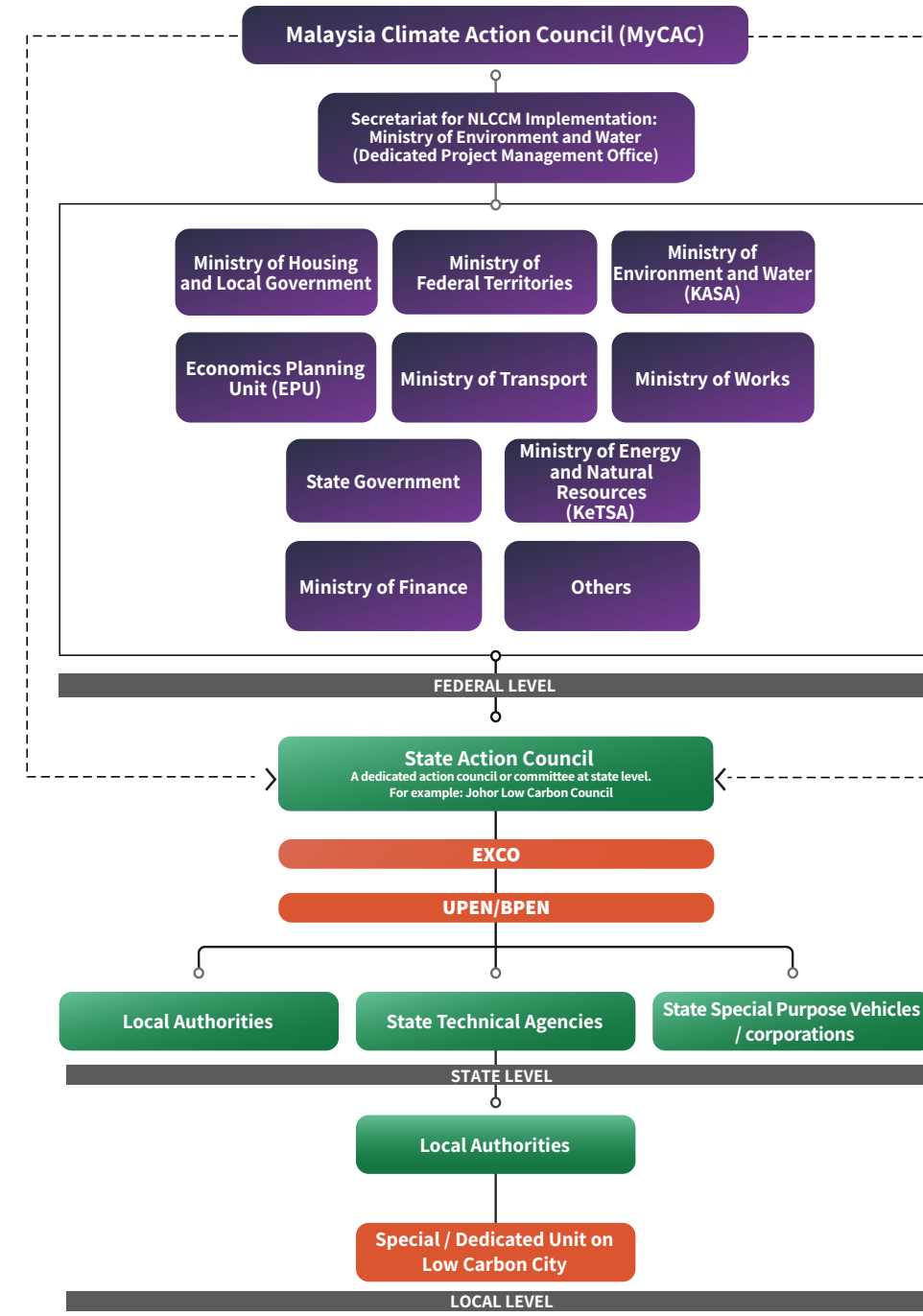


# Synopsis of Action Plans

## 9 Key Directions and 24 Key Actions

Key Drivers for Low Carbon Development	
<b>KD1 : Streamline and Integrate Related Low Carbon Policies and Regulations</b>	
Action 1.1	Align Existing Regulation and Laws to Support Low Carbon Cities Development
Action 1.2	Align National Climate Change Policy (NCCP) to Support Low Carbon Cities Development
Action 1.3	Establish Absolute Carbon Reduction Targets for Targeted Cities (2021 - 2050)
Action 1.4	Establish Policies to Enable Top Down Approach for Low Carbon Implementation at State Level
Action 1.5	Integrate Low Carbon Guidelines and Components Into Existing and New Planning Development Documents
Action 1.6	Promote Agriculture, Forestry and Other Land Uses (AFOLU) as Part of GHG Reduction Measures
Action 1.7	Align Definition and Approach for Low Carbon Cities at All Levels
<b>KD2 : Strengthen the Institutional Framework and Implementation Mechanism at All Levels</b>	
Action 2.1	Improve the Governance and Implementation Structure at Federal and State Levels
Action 2.2	Strengthen the Implementation Mechanism at the Ground Level
<b>KD3 : Mainstream Low Carbon Urban Planning and Development</b>	
Action 3.1	Embed Low Carbon Elements in Urban Planning and Development
Action 3.2	Develop Standard Guideline of GHG Emission Reduction Strategies for Easy and Consistent Implementation at Ground Level
<b>KD4 : Increase Community Participation In Low Carbon Development</b>	
Action 4.1	Nurture Active Participation and Awareness Through Effective Communication Plan
Action 4.2	Use Education to Foster Human Behavioural Changes to Sustainable Practices
Key Enablers for Low Carbon Development	
<b>KD5 : Provide Funding and Financing to Facilitate Low Carbon Development</b>	
Action 5.1	Create Specific Low Carbon Development Fund and Budget to Implement Low Carbon Programmes and Initiatives
Action 5.2	Create Alternative Funding to Finance Low Carbon Initiatives and Programmes at Local Level
<b>KD6 : Invest and Build Capacity to Act</b>	
Action 6.1	Develop and Place Dedicated Officers at State and Local Levels to Increase Productivity and Create Holistic Manpower Support System
Action 6.2	Develop and Nurture Knowledge, Expertise and Skills in Low Carbon Development Area at State and Local Levels
<b>KD7 : Improve Low Carbon Information and Data Management</b>	
Action 7.1	Establish Proper and Efficient System of Data Collection and Management for GHG Inventory Purposes
Action 7.2	Develop Central Online System on GHG Emission Reporting and Data Management to be Used at All Levels
<b>KD8 : Measure Low Carbon Performance</b>	
Action 8.1	Align Performance-Based Tools to Global Protocol For Community-Scale Greenhouse Gas Emission Inventories (GPC)
<b>KD9 : Develop Citywide/Sectoral Development Strategies on Low Carbon</b>	
Action 9.1	Spatial Planning and Development
Action 9.2	Energy
Action 9.3	Transportation
Action 9.4	Waste

# Managing Implementation



# NATIONAL LOW CARBON CITIES MASTERPLAN



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## Definition of Low Carbon Cities

There is no single or universal definition for low carbon development or low carbon cities. However, the masterplan has defined Low Carbon Cities as follows:

**A low carbon city is defined as a city that implements low carbon strategies to meet its environmental, social and economic needs. The city measures, manages and mitigates greenhouse gas emissions to reduce its contribution to climate change.**

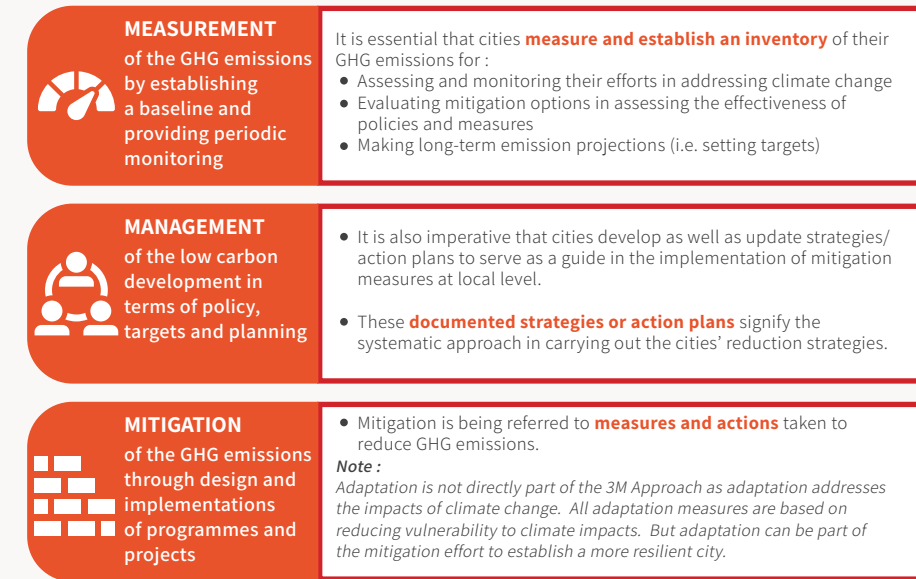
The definition emphasizes on **three (3)** main elements:

- 1) Pursue a systematic approach** - i.e. establish documented strategic plans.
- 2) Employ area wide strategies** - i.e. cover all potential emission sectors within city boundary; and
- 3) Set ambitious GHG reduction target** - i.e. establish baseline/peak as well as short and long term reduction targets. Note: 'ambitious' refers to GHG reduction target that surpass the national GHG target and towards carbon neutrality.

Essentially, low carbon cities are defined as cities with specific strategies, plans and targets on how to reduce GHG emissions, that cover all potential emitting sectors within the city boundary.

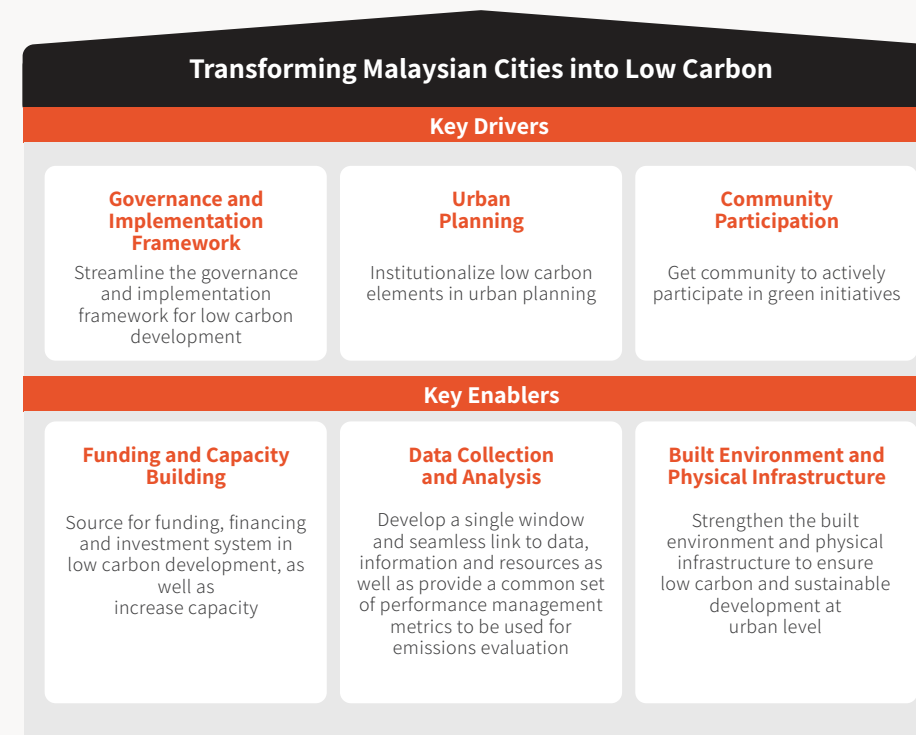
## The 3M Approach

The 3M Approach is introduced to guide cities to position themselves as major players in climate change mitigation, as well as set an example for the development of emission reduction strategies at the local level. The 3M Approach consists of three (3) actions below:



## Framework of National Low Carbon Cities

The strategic framework of National Low Carbon Cities Masterplan not only intends to transform Malaysian Cities into low carbon, but also to push low carbon development in Malaysia to the next level.



## Target Cities

A total of 33 local and regional government has been selected as Target Cities. The main criteria for the selection is that the total number of population in the city/area must exceed 300,000 - based on the 2010 census data by the Department of Statistics of Malaysia - with exception for Putrajaya Corporation, Kulai Municipal Council, Pasir Gudang City Council, Pontian District Council, Sepang Municipal Council and Hang Tuah Jaya Municipal Council.



Group 1	Group 2	Group 3
1. Hang Tuah Jaya Municipal Council 2. Iskandar Malaysia 3. Iskandar Puteri City Council 4. Johor Bahru City Council 5. Kuala Lumpur City Hall 6. Kulai Municipal Council 7. Melaka Historic City Council 8. Pasir Gudang City Council 9. Penang Island City Council 10. Petaling Jaya City Council 11. Pontian District Council 12. Putrajaya Corporation 13. Seberang Perai City Council 14. Sepang Municipal Council 15. Shah Alam City Council	1. Alor Setar City Council 2. Ampang Jaya Municipal Council 3. Ipoh City Council 4. Kajang Municipal Council 5. Klang Municipal Council 6. Kuching North City Hall 7. Kuching South City Council 8. Miri City Council 9. Selayang Municipal Council 10. Seremban City Council 11. Subang Jaya City Council	1. Kota Bharu Municipal Council 2. Kota Kinabalu City Hall 3. Kuala Terengganu City Council 4. Kuantan City Council 5. Sandakan Municipal Council 6. Sungai Petani Municipal Council 7. Tawau Municipal Council

## Absolute Carbon Reduction Targets

The timeline and absolute carbon reduction targets for Target Cities by year 2030 until 2050 are as follows:

