

Malaysia

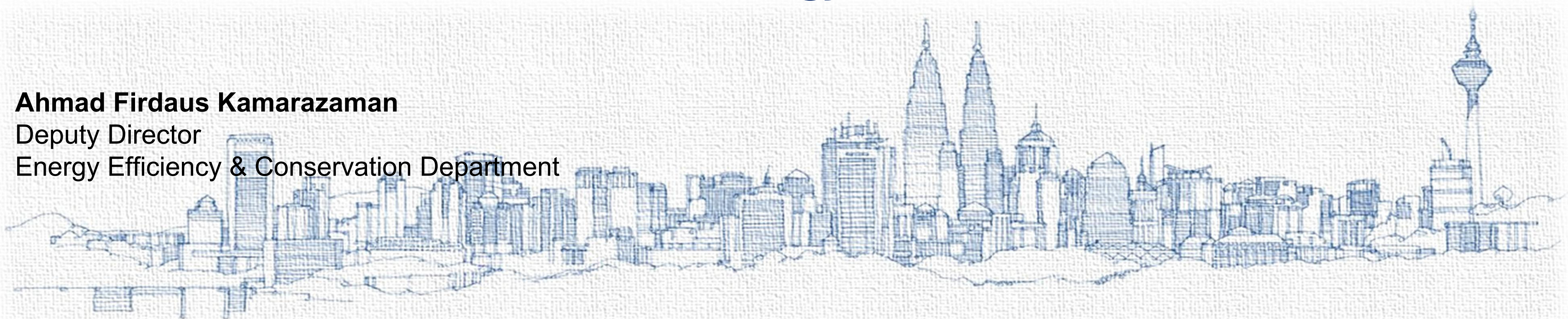
The 8th Government-Private Forum on the Cleaner Energy Future Initiative for ASEAN (CEFIA)

Regional and National EE&C and RE Success Stories for Accelerating ASEAN's Energy Transition

Ahmad Firdaus Kamarazaman

Deputy Director

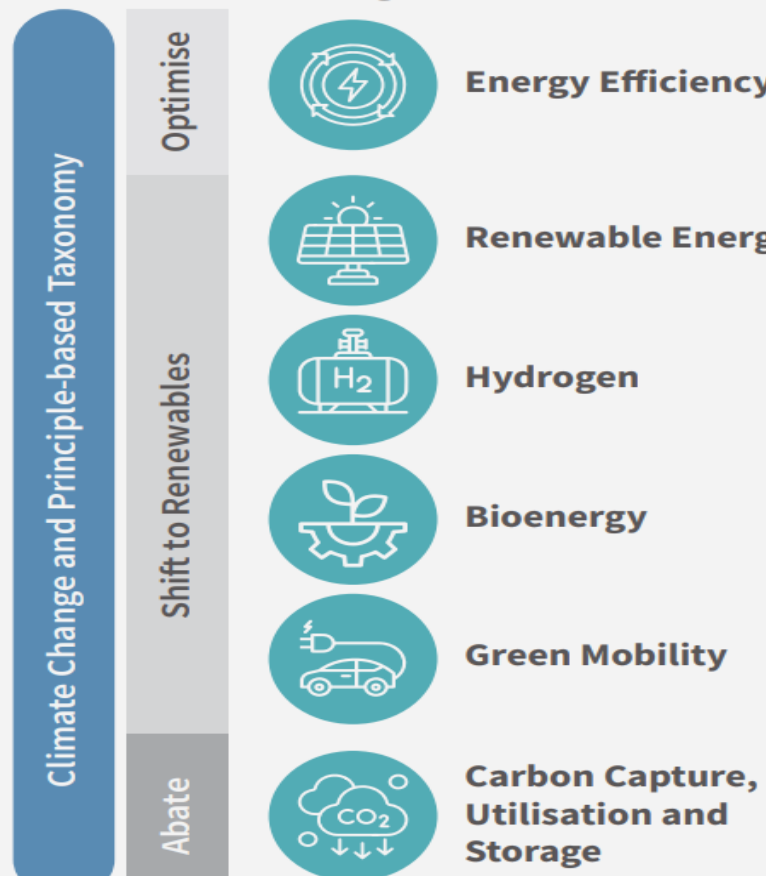
Energy Efficiency & Conservation Department



Decarbonisation Goals

- Achieve net-zero greenhouse gas emissions by 2050.
- Reduce carbon intensity of GDP by 45% by 2030, compared to 2005 levels
- Increase renewable energy capacity to 31% by 2025, 40% by 2035, and 70% by 2050.
- Reduce reliance on fossil fuels from 96% in 2023 to 77% by 2050

Energy transition levers



National Energy Transition Roadmap (NETR) on EE Key Initiatives



4 ENERGY EFFICIENCY Energy Efficiency & Conservation Act (EECA) Main Focus:

Energy Consumer	Large users (>21,600 GJ) must appoint energy manager, implement energy management system, conduct energy audit & submit EE report
Buildings	Large buildings (Office with GFA>8,000m ²) need energy intensity labeling, comply to Energy Intensity Performance & energy audit with plan
Energy Using Product	Manufacturers/importers must meet performance standards and display energy labels
Registration	Registration of energy managers, energy auditors and training institutions



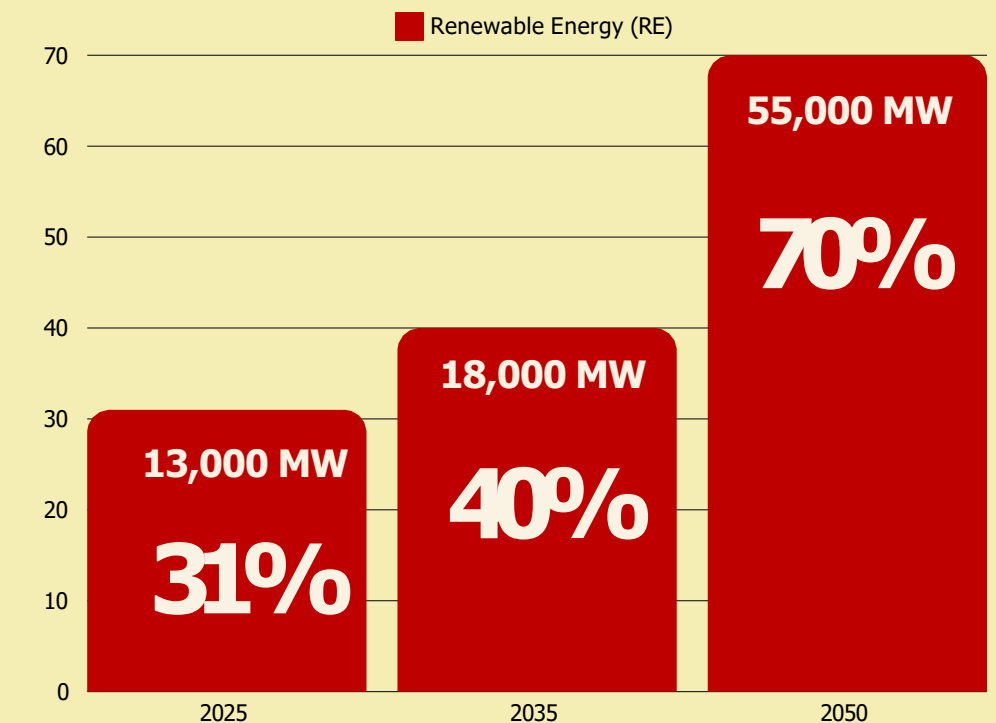
RENEWABLE ENERGY programmes

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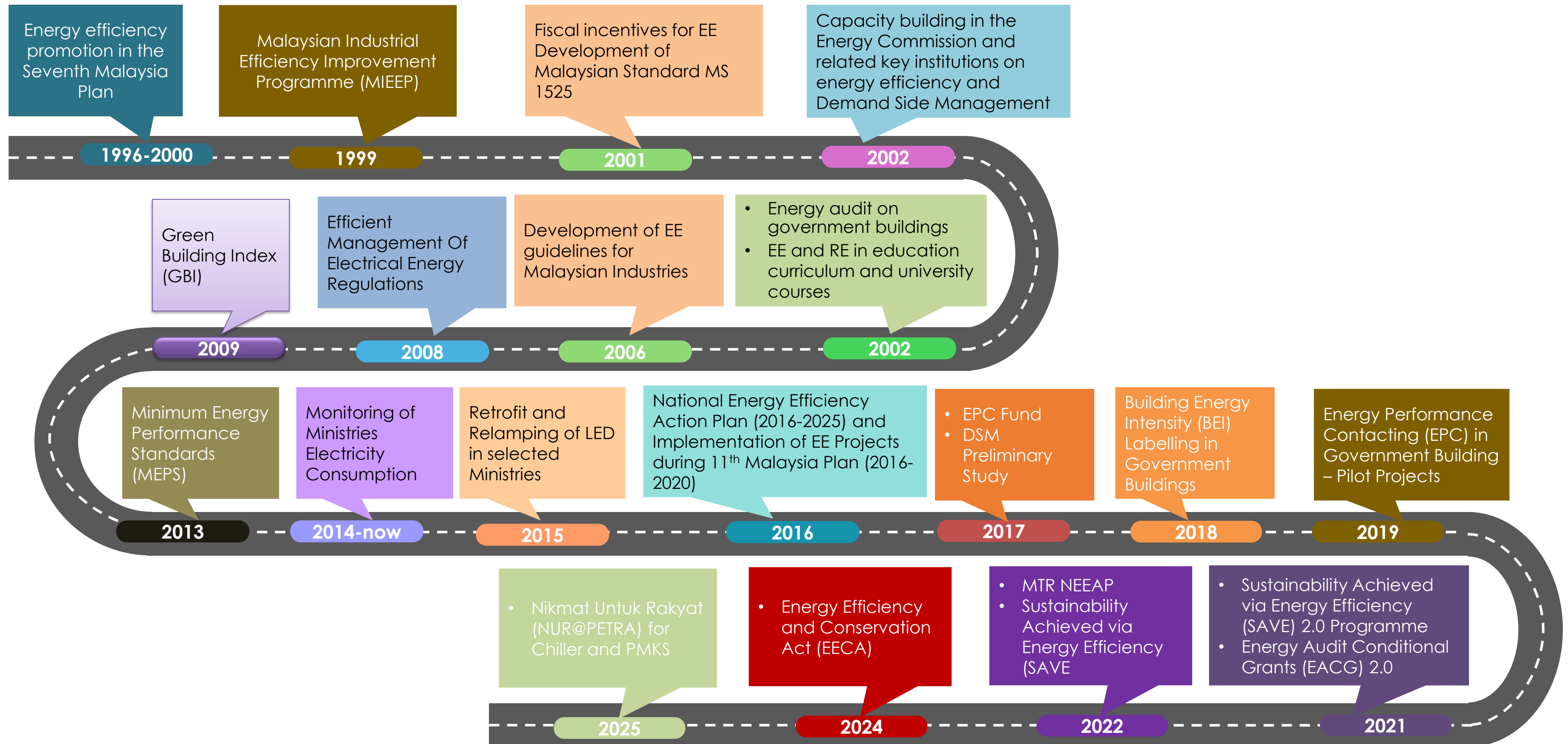
- FiT
- NEDA
- NEM
- LSS
- SelCo
- GET
- CGPP
- ENEGEM & TPA
- CRESS
- CREAM
- SOLAR ATAP

INSTALLED CAPACITY
12.5GW

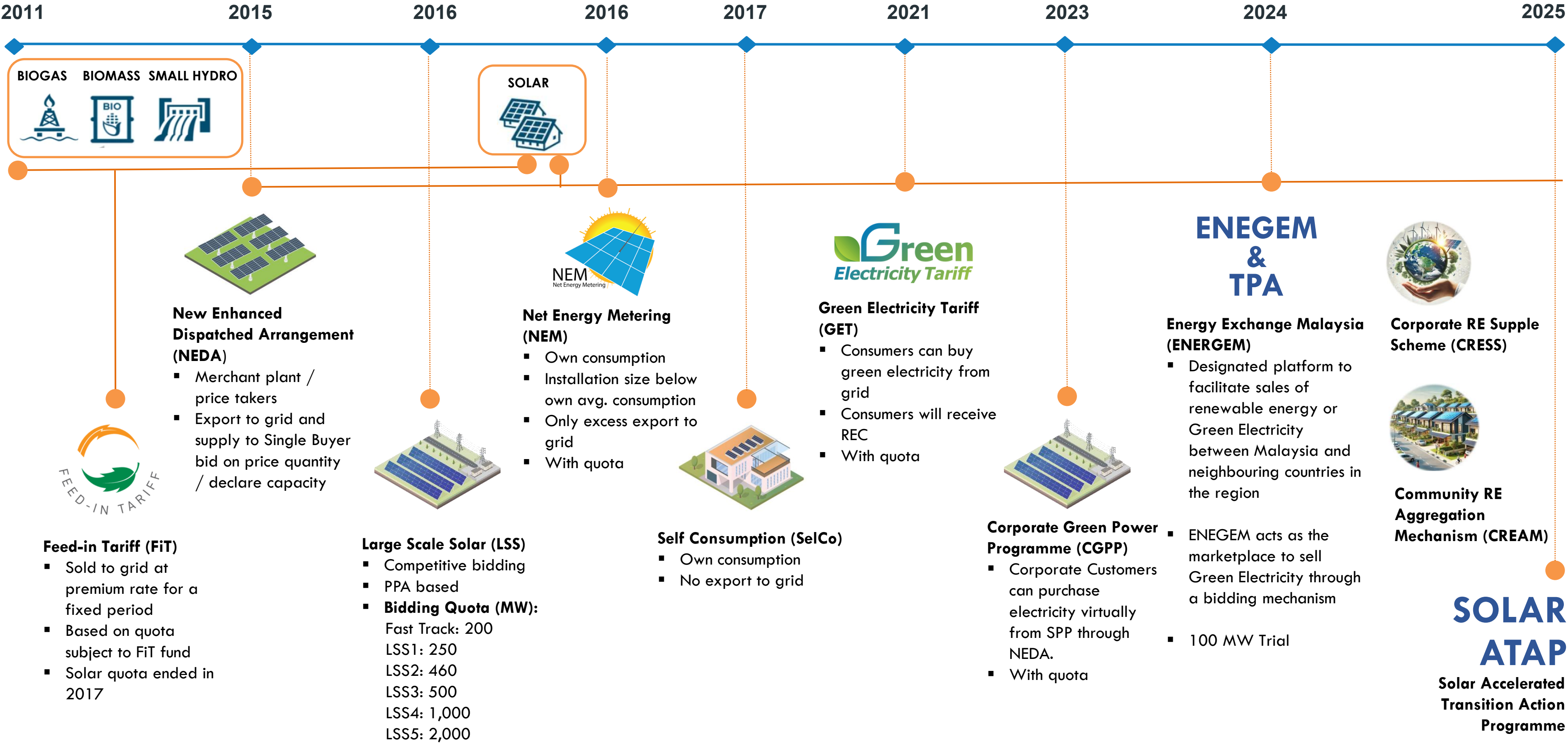
RENEWABLE ENERGY ASPIRATION



ENERGY EFFICIENCY INITIATIVES



RENEWABLE ENERGY INITIATIVES



THANK YOU



Energy Consumer
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PLC of a Building
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Energy Using Product
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Registered Energy Manager
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