

NEDO's Remarks

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New Energy and Industrial Technology Development Organization (**NEDO**)
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What is NEDO?

Biggest R&D funding agency in Japan, supported by METI, established in 1980

National government and Ministry of Economy, Trade and Industry

- Policy formulation
- System design

Innovation accelerator

- Technology strategy formulation
- Project planning, operation, budget management

Industry

Universities

Public research institutes

- Promoting practical application
- Realizing open innovation

FY2022 NEDO's Budget (1.14B USD) and "FUNDS" (42.5B USD)

■ Energy Systems (420M USD)	■ Energy Conservation and Environment (318M USD)
■ Industrial Technology (283M USD)	■ New Industry Creation and Discovery of Technology Seeds (68M USD)

100 projects underway domestically and internationally
1000 companies/500 universities participating



Europe

America

- Redox flow batteries (U.S.)
- Intercity EV charging stations (U.S.)
- Energy-saving buildings (U.S.)
- Hybrid inverters (Canada)

- Locally producing and consuming smart communities (Germany)
- Hybrid storage battery systems (Germany)
- DC power transmission systems (Italy)
- Air conditioning demand response (Portugal)
- Cogeneration systems (Uzbekistan)
- Smart communities (Slovenia)
- Smart grids (Poland)

Northeast Asia

- Bioethanol (China)
- Energy-saving buildings (China)
- Energy management systems (China)

Middle East and Africa

- Energy-saving wastewater recycling systems (Saudi Arabia)
- Energy-saving desalination of sea water (Saudi Arabia)
- Energy-saving desalination of sea water and wastewater recycling (South Africa)

India

- Large-scale solar power generation systems
- Smart grids
- Steel mill energy centers
- Green hospitals

ASEAN

- Industrial waste power generation (Vietnam)
- Cellulose sugar manufacturing systems (Thailand)
- EV bus operation systems (Malaysia)
- New public transport systems (Philippines)
- Electric motorcycle battery sharing (Indonesia)
- Compressed Natural Gas (CNG) vehicles (Indonesia)

* Supported by NEDO overseas offices as required.
 America (Washington, Silicon Valley)
 Europe (Paris)
 India (New Delhi)
 ASEAN (Bangkok)
 Northeast Asia (Beijing)



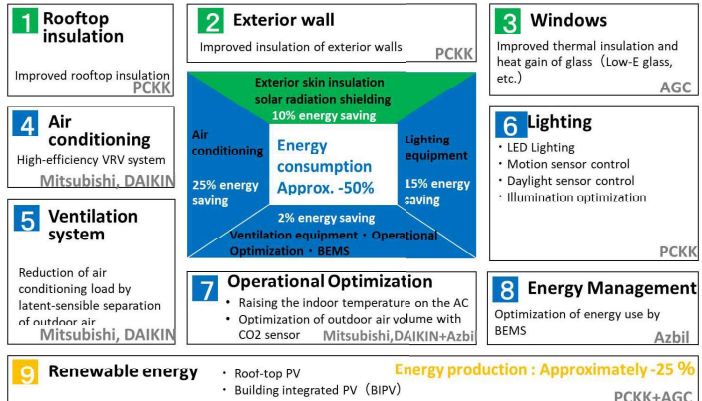
Demonstration project for ZEB to achieve carbon neutrality in the building sector

• **Project outline:** This project aims to demonstrate a Nearly ZEB in hot and humid area for an existing building of SEDA, a Malaysian government agency. The ZEB concept based on ISO/TS23764 will be applied to achieve both energy efficiency and comfort in air conditioning, and is expected to change user behavior by preventing overcooling, etc.

• **Participating Companies:** Pacific Consultants, Mitsubishi Electric, AGC, AZBIL

• **Country or Regions:** Malaysia

Total energy consumption : Approx. 75% reduction (Target) Aiming for [NearlyZEB]



Thank you for your kind attention!!



More about NEDO



**More about NEDO's
demonstration projects in
AZEC partner countries.
(Search for "NEDO")**