



**KGID  
2025**

**Green Growth:  
The Path to  
Sustainable Jobs**

# International Cooperation for Global Energy Transition

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Korea Energy Agency

# Age of Electricity

- Rapid electricity demand growth driven by
  - Data Centers
    - Double from 415 TWh in 2024 to 945 TWh in 2030
  - Air Conditioning
    - Economic expansion and cooling
  - Electric Cars
    - Quadruple from 2024 to 250 million cars in 2030

# Korea's policy direction

- Renewable energy-centered energy transition
  - 78GW by 2030 (more than double from 33GW in 2024)
  - Wind
    - Offshore wind tender, Deregulation, Industrial development
  - Solar
    - Agricultural PVs, Floating PVs
  - Incentives
    - Solar/Wind Pension, RE100 Industrial Complex

# KEA's overseas projects (Renewable Energy)

- Cambodia

- PV-powered charging stations, e-bikes
- Capacity building
- Paris Agreement 6.2 project
  - 400K tCO<sub>2</sub> for 10 years



- Indonesia

- Agricultural PV-powered charging station, e-bikes
- Capacity building
- E-vehicle master plan



# KEA's overseas projects (Energy Efficiency)

- Uzbekistan

- Energy Experts Training Center
- Training Programs
- Experts Certification

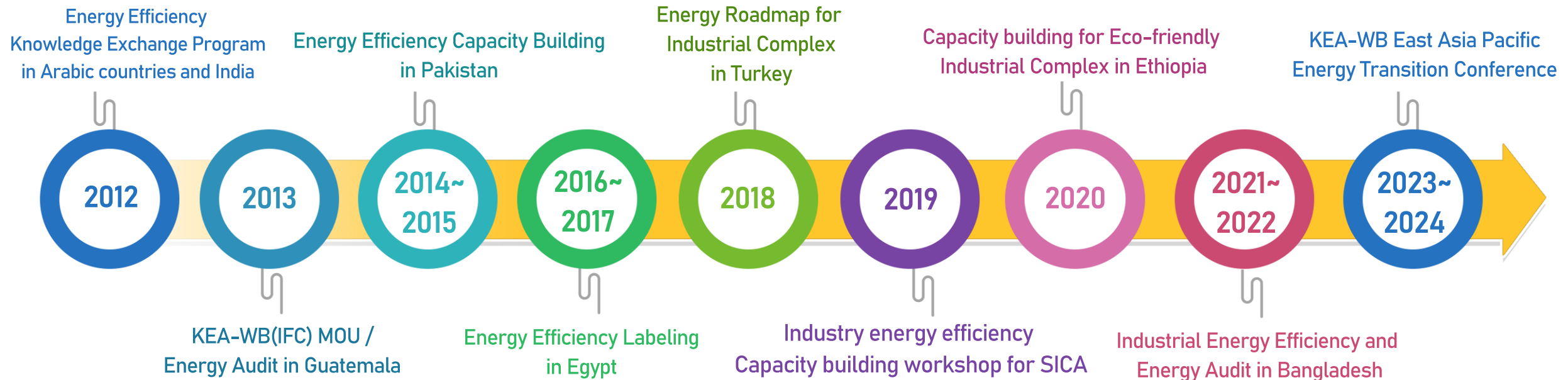


- Sri Lanka

- Air Conditioner Energy Efficiency Testing Facility
- Capacity building for Efficiency testing and regulation



# KEA's collaboration with World Bank





# KEA's international conferences

- World Climate Industry Expo
  - Since 2023 in Korea
  - Co-hosts : Korea, IEA and WB
  - Organizer : KEA
  - Conferences: Korea-IEA, Korea-WB etc.
  - Exhibition: 555 companies
  - 36,000 participants
- Asia Clean Energy Forum
  - Since 2015 in Philippines
  - Co-organize with ADB
  - 45 workshops and sessions
  - 1,600 participants



**THANK YOU**