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Leveraging Korean partnership for World Bank Group Energy initiatives

Selena Jihyun Lee

Energy Specialist, Global Energy, Policy and Regulations (KIEPR)

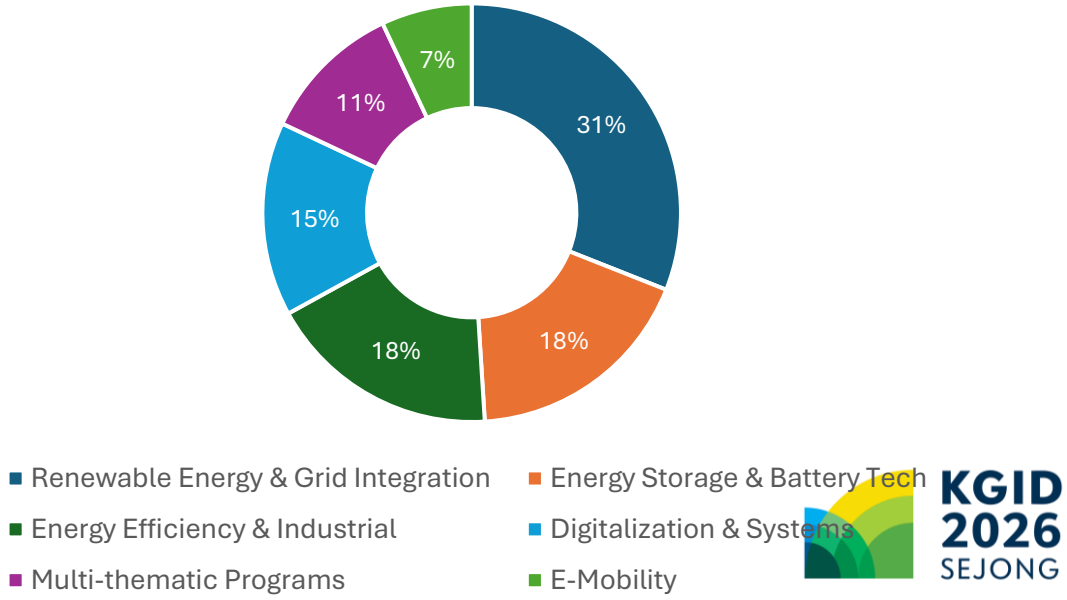
A Decade-long KGGTF & WBG Energy Partnership

Energy
43 GRANTS
$12.11 MILLION

- Global portfolio covering all energy technologies based on demand
- Focus on leverage: country operations & co-financing at scale
- Innovation: from energy access to innovative technology deployment

Regional breakdown

Thematic breakdown



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Supporting Vietnam Offshore Wind Development

Busan's industrial cluster & Hyundai Heavy Industry Shipbuilding Station

- **Five delegations leading offshore wind development in Viet Nam:** Central Economic Committee, Ministry of Planning and Investment, Vietnam Electricity (EVN), Vietnam Administration of Sea and Island (VASI), and Electricity Regulatory Authority of Vietnam (ERAV)

- **Three bilateral meetings with:**
  - Korea Ministry of Oceans and Fisheries
  - Korea Marine Environment Management Corporation (KOEM) & Korea Maritime Institute (KMI)
  - SK Oceanplant - private Korean developer

- **Focus on:**
  - Offshore wind mapping digitalization + publication
  - Governance and regulatory streamlining
  - Technical knowledge sharing

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New Area of Engagement: Nuclear Energy

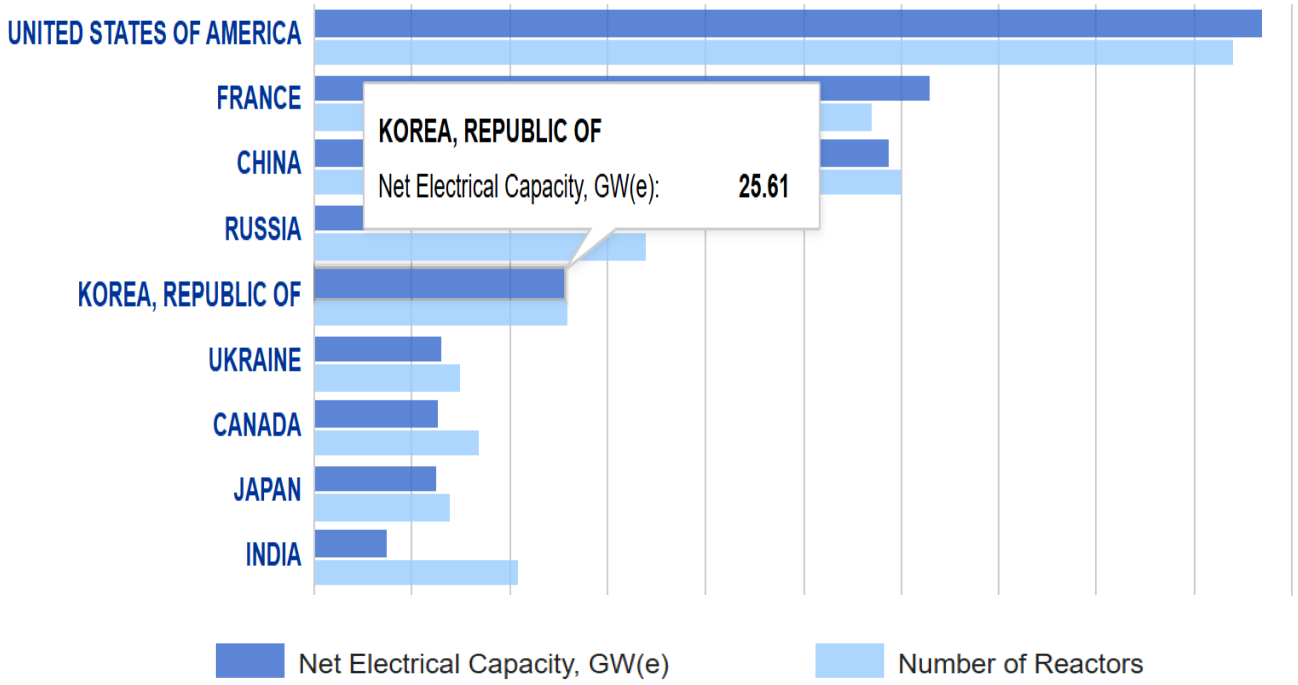
- **WBG's nuclear energy re-engagement**
- **Programmatic Approach**: starting with countries with long-term operation opportunities - nuclear energy infrastructure (e.g. Armenia, Brazil, India, Romania, South Africa, Vietnam, Philippines)

Financing long-term operations	Developing new Nuclear Programs	Enhancing existing Nuclear Programs	Developing nuclear fuel resources
Investment to remediate aging plants, including **power uprates, plant modernization, safety enhancements**, instrumentation upgrades, or spent fuel storage	Technical assistance (TA) for nuclear **policies and institutions**, including to prepare for investments in **advanced reactors** (e.g., SMRs); **Development Policy Financing** to support implementation	**TA and investment** for enhancing existing Nuclear Programs and preparing for new **fleet deployment** and **advanced reactors** (e.g., SMRs)	**Investment and TA** to enable development of uranium (or thorium) resources, including **mining, milling, and conversion**
Private investment in nuclear supply chain components **(e.g., manufacturing reactor components, casks for spent fuel, digital tools)**			

- **Knowledge Bank**: demand-driven process with global team as the central knowledge platform
- **K-Partnership:** public utility to academia and private developers: Korea Hydro-Nuclear Power(KHNP), KEPCO KINGs, Doosan Enerbility etc.,

Korea: global powerhouse for nuclear energy

Global nuclear power ranking, 2026



Source. IAEA (2026). Power Reactor Information System

Global Ranking: 5th largest nuclear energy capacity

Operating Reactors: in 2026, South Korea operates **26 nuclear reactors** with a net capacity of approximately **25.8 GWe**.

Energy Mix: Nuclear power contributes **~1/3** of the total electricity generation

Capacity Factor: Korea is boosting the utilization of its nuclear plants to a 15-year high of **89% in 2026**, indicating high operational efficiency.

Major exporter of nuclear reactor technology, equipment, and services.

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First nuclear energy study tour to Korea – May 5-8, 2-2026

KGGTF funded activity: *"Scoping Investment and Promoting Knowledge Sharing for Long-Term Operation (LTO) of Nuclear Power Plants"*

- Leveraging Korea's expertise for technical assistance for LTO – Armenia, Brazil, Bulgaria, South Africa, Romania, Poland, Turkiye
- Knowledge sharing and capacity building

WBG Workshop
– peer to peer learning

KGID 2026 – Panel discussion

KHNP Research Institute
– i-SMR model

Doosan Enerbility
& Saewul Nuclear Power Plant

Thank you

Selena Jihyun Lee (jlee59@worldbank.org)
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