

THE REPUBLIC OF KOREA'S GREEN & LOW-CARBON TECHNOLOGIES MARKET IN NUMBERS



KEY NUMBERS



TARGET: Carbon neutrality
by 2050

40% reduction in
greenhouse gas
emissions by 2030

€39.27 BILLION
investment under
the 5th Energy Technology
Development Plan

Clean tech market to double



Clean energy technologies
market projected to grow by
14% annually
(2024-2030)

MARKET SIZE FIGURES



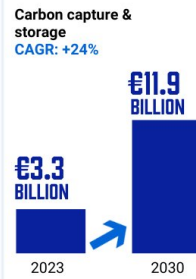
Renewable energy,
hydrogen, storage
solutions



Recycling,
waste-to-energy,
biodegradable materials



Municipal and industrial
wastewater treatment, water
purification, smart
monitoring and automation
systems, bioremediation



Industrial decarbonisation,
carbon utilisation

MARKET DRIVERS

Government Carbon
Neutrality & Green
Growth Plan (2023-
2042)

Advanced ICT & digital
infrastructure (AI, IoT,
5G) enabling smart
energy and monitoring
systems

Growing ESG
compliance and
corporate
sustainability goals

EU-RoK Green
Partnership (2023)
fostering cooperation
in clean energy,
hydrogen, and
circularity

MARKET ACCESS STRATEGY

- 1 Partner with local players – co-develop projects or form joint ventures in hydrogen, energy storage, or circular economy solutions.
- 2 Leverage EU-RoK Green Partnership (2023) – for R&D, Horizon Europe projects, and policy coordination.
- 3 Participate in government pilot programmes – e.g., Circular Economy Sandbox, CE 9 Project.
- 4 Collaborate with public bodies – such as Korea Environmental Industry & Technology Institute, Korea Energy Agency, and Korea Environment Corporation – to validate and certify your technology.
- 5 Engage in key clean-tech and sustainability trade fairs to explore market demand and connect with industry players.

TOP EU ENTRY OPPORTUNITIES

Offshore wind,
green hydrogen,
and smart grids

AI-based environmental
monitoring & carbon
tracking

Advanced recycling
and biodegradable
materials

CCUS and low-carbon
industrial
technologies

Explore the Republic of Korea's booming green and low-carbon technologies market with the EU Business Hub support!

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