

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



KEY NUMBERS

GDP:

€1.7 TRILLION
2024



largest
economy in
the world
2024



largest trading
partner of the EU
2024

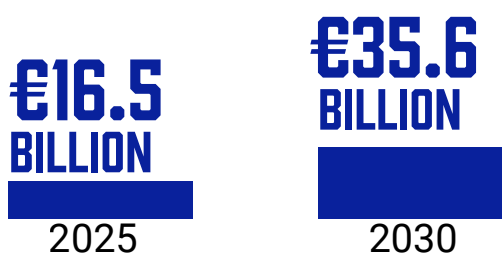
TARGET: Carbon neutrality
by 2050

40% reduction in
greenhouse gas
emissions by 2030

€39.27 BILLION

investment under
the 5th Energy Technology
Development Plan

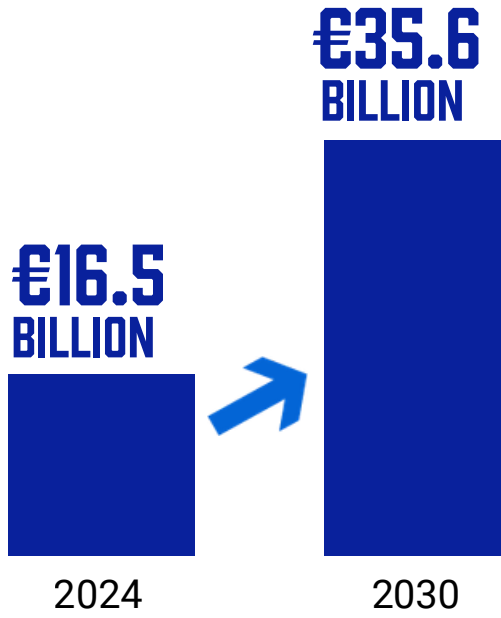
Clean tech market to double



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

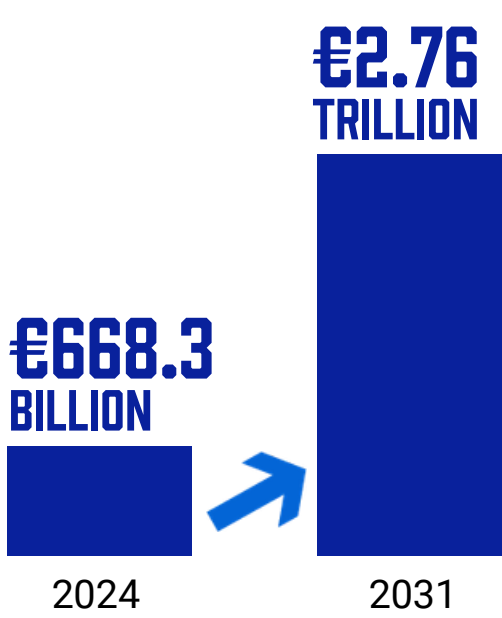
MARKET SIZE FIGURES

Clean energy
technologies
CAGR: +14%



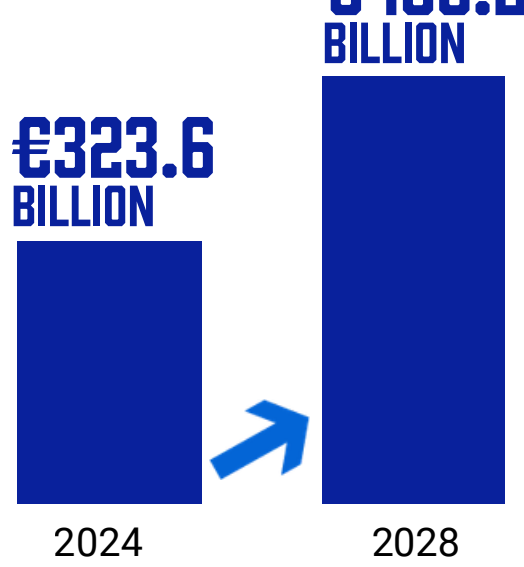
Renewable energy,
hydrogen, storage
solutions

Circular economy
technologies
CAGR: +22.5%



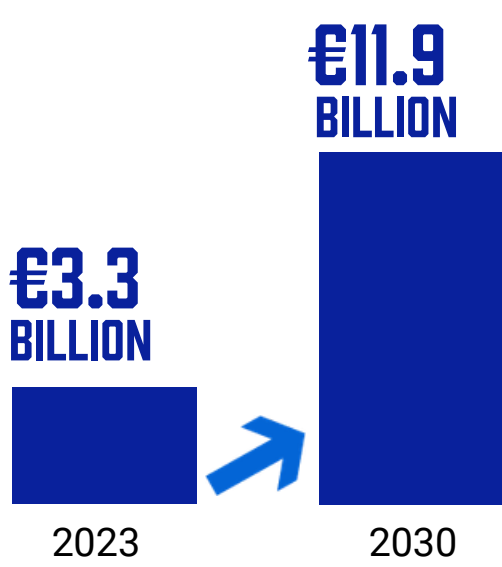
Recycling,
waste-to-energy,
biodegradable materials

Water treatment
technologies
CAGR: +11.2%



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

Carbon capture &
storage
CAGR: +24%



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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