

# JEJU GREEN GROWTH MAP



**1 Tamra Offshore Wind Power**  
Generates 85,000 MWh of electricity per year, enough to power 24,000 households, utilizing 100% domestic technology.

**2 Jeju Pig Farms Cooperative Livestock Manure Recycling Plant**  
This facility processes up to 430 tons of manure daily, producing liquid fertilizer, compost, and purified water, which is used for disinfection and cleaning, conserving freshwater usage.

**3 Jeju Livestock Manure Treatment Facilities**  
Separates and sorts recyclables into high-quality resources through a high-efficiency selection system with a capacity to process up to 140 tons of recyclable waste per day.

**4 Hanmaum Farming Association Corporation**  
Employs a smart greenhouse system for optimal growing conditions for tomatoes.

**5 Aewol Convergence EV Charging Station**  
This station at Aewol-eup uses solar power for EV charging, bypassing the grid with a 120kW solar system and 665kWh energy storage. It represents a major step towards renewable energy-powered EVs in Jeju.



**6 Jeju Food Waste Public Treatment Facilities**  
This facility processes 340 tons of food waste daily, using anaerobic digestion to produce biogas, reduce greenhouse gas emissions, and lower operational costs, supporting Jeju's resource circulation goals.

**7 NIA Jeju Global Center**  
This center drives digital transformation in sectors like agriculture through its Smart Farm Big Data Platform, fostering global research and partnerships on sustainability and technology.

**8 Jeju Groundwater Research Center**  
Dedicated to managing Jeju's groundwater, this center conducts extensive monitoring and research to balance water needs with conservation, providing real-time data for sustainable water management.

**9 Smart Farm Incubation and Training Center**  
Fosters future agricultural professionals with advanced smart farming technologies.

**10 Jeju EV Battery Industrialization Center**  
Situated in Cheomdan-ro, this center focuses on the recovery, reuse, and recycling of EV batteries, supporting local industries by developing products like agricultural machinery and emergency power generators.

**11 Korea Rural Community Corporation Jeju Office**  
This office enhances rural infrastructure and agriculture in Jeju, focusing on sustainable practices and efficient water management through projects like the Agricultural Water Regionalization Project.



**Wind Farm Facilities**  
Jeju has 23 wind farms, including 3 offshore and 20 onshore wind farms, with a total capacity of 250MW.

**Electric Bus Charging Station**  
Jeju has 19 charging stations supporting 174 electric buses and 9 hydrogen buses, ensuring efficient public transportation.

**Electric Vehicle Charging Stations**  
Jeju Island, with 8,340 electric vehicle charging stations and the highest EV adoption rate in South Korea at 9.1%, leads the way in supporting green transportation.

**Jeju Recycling Help Center**  
Focuses on efficient separate waste collection of household waste, with 159 centers offering storage facilities for various types of household waste, contributing to improved recycling rates and job creation.

**12 Jeju Samdasoo Exhibition Hall**  
This hall showcases Jeju's water history and the production of Jeju Samdasoo, featuring exhibitions on the island's unique volcanic bedrock water and advanced production processes.

**13 Dawon Farm**  
Leverages ICT and real-time data systems to process livestock manure into renewable energy, supporting smart agriculture and carbon neutrality through efficient, sustainable farming practices.

**14 Hamdeok Hydrogen Vehicle Charging Station**  
This pioneering station supports Jeju's green hydrogen buses, a key part of its "Carbon-Free Island" initiative. It features hydrogen produced from renewable energy, highlighting Jeju's commitment to sustainable transportation.

**15 Jeju Environmental Resource Circulation Center**  
Handles flammable and non-flammable waste materials with an incinerator with an incineration capacity of 500 tons per day and a landfill area of 140,000m2 and a capacity of 2.42 million cubic meters.

**16 Jeju Metropolitan Waste Resource Recovery Center**  
Located in Gujwa-eup, this center processes up to 140 tons of recyclable waste daily, using advanced sorting technologies to enhance recycling and support local job creation, aligning with Jeju's '2024 Plastic Zero' initiative.

**17 CFI (Carbon-Free Island) Energy Future Hall and Gujwa Wind Farm**  
The hall presents a model for a 100% clean energy transition, showcasing various renewable energy sources and future city models.

**18 Smart Citrus Distribution Center (Smart APC)**  
Integrates robotics and automation in citrus fruit handling for efficient distribution.



**Jeju's commitment to sustainability** is evident as it now generates over half of its energy from renewable sources and boasts the highest electric vehicle penetration in South Korea. This dynamic transformation positions Jeju not just as a leader, but as a global inspiration in the pursuit of a greener future.

**Did you know?**

- Nearly 20% of the island uses renewable energy
- Internal combustion cars will be discontinued in 2030.
- Jeju's local wind energy fund, created in 2017, provides energy subsidies to the vulnerable.
- The island has the world's largest national smart grid demonstration complex.



**The Korea Green Growth Trust Fund (KGGTF)**

is a partnership between the World Bank and the Republic of Korea. It was established in 2011 to support the World Bank and its client countries operationalize inclusive green growth initiatives, strategies, and investments.

The KGGTF's programs, including analytical and advisory services, are fully integrated within the World Bank's country financing and policy dialogue across seven sectors. By supporting and leveraging World Bank operations the KGGTF accelerates green growth and sustainable development and supports countries towards achieving their Sustainable Development Goals. The KGGTF is committed to help deliver the World Bank's new vision of creating a world free of poverty on a livable planet.

Since its inception, grant-funded programs have been linked to \$24 billion in World Bank lending and co-financing, translating to an investment effect of \$202 for every \$1 of grant funds approved. This year, the KGGTF endorsed 20 new grant activities totaling \$10.5 million across 23 countries, bringing the Trust Fund's grant portfolio to approximately \$129 million invested across 237 program activities.

\$120 Million

KGGTF Grant Support until 2023

\$24 Billion

World Bank Lending



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# JEJU

**KOREA'S PIONEER  
CARBON-NEUTRAL  
ISLAND**

