

Bioeconomy & Low Carbon Energy Technology Investment Summary for March 2025

Our summary of specific investments announced for Bioenergy and low carbon energy technology projects during March 2025 is based on data and information collated by Gifford Consulting and provided on the website: [Gifford Consulting](#)

Initiative	Country	Investment (USD)	Summary Description
Ammonia Production	Australia	\$512 million	Green hydrogen-based ammonia project in Western Australia, funded by the Hydrogen Headstart program.
Biobased Plastics	India	\$250 million	Industrial-scale PLA biopolymer plant powered by 100% renewable energy.
Biogas	Australia	\$3.85 million	ARENA grant to enhance Delorean's SA1 bioenergy facility for biogas-to-biomethane production.
Biogas	Spain	\$217 million	CycleØ to build 30 biogas plants producing 800 GWh/year.
Biogas	Sweden	\$16 million (loan)	Eskilstuna Biogas facility producing liquefied biogas for public transport.
Biogas	USA	\$140 million	Nexus W2V plant converting food waste into renewable natural gas.
Biojet/SAF	Portugal	\$434 million (approx.)	Galp and Mitsui converting vegetable oils and fats into SAF and renewable diesel; includes green hydrogen unit.
CO ₂ Removal	USA	\$600,000 + matching funds	Homeostasis tech for graphite production from CO ₂ using modular reactors.

Initiative	Country	Investment (USD)	Summary Description
E-fuels	Germany	\$76 million (approx.)	INERATEC to build Europe's largest e-Fuel plant with EIB and Breakthrough Energy Catalyst support.
Ethanol	Japan	Not specified	Joint venture for bioethanol from woody biomass at Nippon Paper's Iwanuma Mill.
Feedstock	Ukraine	\$76 million	Plant to process oil crops like soybeans and rapeseed.
Hydrogen	Australia	\$514 million	CIP's Murchison green hydrogen-ammonia project awarded production incentives.
Hydrogen (scrapped)	Australia	\$472 million	Trafigura's Port Pirie green hydrogen project cancelled.
Hydrogen	Brazil	Not specified	3GW hydrogen-ammonia plant granted tax exemptions, first phase due 2029.
Hydrogen	Chile	\$25.6 million (grant), \$50 million (expected)	Hygreen Energy selected to establish electrolyser factory.
Hydrogen	Egypt	\$17 billion	3.1GW solar-powered green hydrogen plant with hydro storage in South Sinai.
Hydrogen	EU	\$5.2 billion (requested)	European Hydrogen Bank auction with 61 bids for 6.3GW electrolyser capacity.
Hydrogen	Greece	\$11.2 million	Metacon AB to supply 20MW electrolysis plant to Motor Oil's Corinth refinery.
Hydrogen	Malaysia	\$17 million	H1Hydro project using hydropower to produce green hydrogen.
Hydrogen	Morocco	\$32.7 billion	Six hydrogen projects, focusing on green ammonia, fuels, and steel.
Hydrogen	Peru	\$11.2 billion	Verano Energy's green hydrogen, ammonia, solar, and desalination mega-project.
Hydrogen	Portugal	\$473 million (incl. SAF)	EIB-financed Galp biofuels and green hydrogen project in Sines.

Initiative	Country	Investment (USD)	Summary Description
Hydrogen	UK	\$17.4 million	Supercritical Solutions developing membraneless electrolyzers.
Hydrogen	USA	\$50 million	StormFisher's green hydrogen and e-methane plant supported by Hy24 investment.
Market Development	Germany	-\$10 billion (reduction)	RWE cuts clean energy investment to €35bn by 2030.
Policy (LCLF)	Australia	\$158 million (LCLF share)	Government funding to support low carbon fuels innovation and deployment.
Recycling Plastic	Austria	\$88.7 million (approx.)	OMV's ReOil® chemical recycling facility to process 200,000 tons of plastic.
Renewable Diesel	Netherlands	\$765 million	Neste's green bond to expand Rotterdam biorefinery for SAF and diesel.

For more information refer [Giffordconsulting.co.nz](https://www.giffordconsulting.co.nz)

Subscribe for our [daily updates](#)