

Abu Dhabi, UAE: Kyoto Network and G6T Group partner to establish a climate-positive waste-to-value ecosystem, focusing on large-scale environmental projects across the Middle East, Africa, and Asia.

The Partners aim to establish a commercial green ecosystem that includes supplying the international carbon markets with high-quality credits, improving waste management and agricultural practices, creating jobs, and promoting impactful climate action through advanced carbon dioxide removal technologies.

The business will spearhead the development of the region's green waste-to-value economy and work closely with governments and industries to support their climate action strategies and the Paris climate treaty.

Dubai, 4th March 2025 - Kyoto Network and G6T Group have announced plans to co-develop, finance, and implement technology-driven waste-to-value plants. These plants will upgrade various organic and inorganic waste streams into high-value products that can replace fossil-based products at competitive costs. The project aims to enhance waste management, food security, and water preservation and establish the UAE as a major player in the global Voluntary Carbon Market.

Advanced carbon dioxide removal technologies will be used to reduce the present carbon footprint significantly. The applied technologies will be eligible to issue accredited high-quality carbon credits that can be traded in the global carbon markets.

The partnership aims to position participating countries and industries as global leaders in this green sector and contribute to meeting the global needs for decarbonization.

The initiative will drive significant economic growth by creating jobs across diverse sectors. By adopting cutting-edge processing solutions, countries will effectively tap into the economic potential of their biomass resources, ensuring substantial environmental and financial benefits.

The first project in the UAE will produce Engineered Biochar, a carbon-rich material made from organic biowaste. G6T's partner, WiSA-Global-GBA, an Australian company with deep expertise in such technologies for over 13 years, has developed and operated similar facilities in the USA, EU, and the deserts of Australia. Their proprietary technology has been adapted to meet the specific requirements of the Middle East.

Engineered Biochar has been practically and scientifically proven to enhance agricultural yields in sandy, desert soils while positively impacting the climate. It can improve water and nutrient retention by up to 50%, reduce the need for harmful chemical fertilizers, and promote a natural soil metabolism. The partner's technology is a UN IPCC accredited Carbon Dioxide Removal Technology. When applied to soil, Engineered Biochar acts as a carbon sink, preventing the stored CO₂ from re-entering the atmosphere for over 150 years.

"Our collaboration with G6T combines proven cutting-edge technology with sustainable financing to scale biochar production where it is needed most," said Amro Zakaria, Co-founder and Managing Director of Kyoto Network. "By leveraging biochar's ability to regenerate soil, we can transform degraded lands into fertile, high-yield agricultural zones—directly addressing global food security challenges."

"The partnership with Kyoto Network is a powerful alliance. Cutting-edge waste-to-value technologies' remarkable economic and environmental advantages will drive green growth. The engineered biochar initiative is just the beginning, and we have developed business solutions for other challenging waste streams. Our goal is to position the UAE and the Middle East as a hub for innovation in waste-to-value and carbon dioxide removal eco-systems." said Dr. Harald Freissmuth, Co-Founder and Managing Director at G6TGroup.

"This partnership will position the region at the forefront of sustainable development and climate innovation as the demand for accredited carbon dioxide removal, regenerative agriculture, and waste water treatment increases. Our first engineered biochar plants are expected to be operational by the end of 2025" said Ismael Sosa Sanchez, Co-Founder and Managing Director at WiSA-Global-GBA.

Kyoto Network (www.kyoto.network) is a leading UK-based organization with operations worldwide. It is dedicated to scaling high-integrity carbon offset solutions and sustainable climate initiatives. Its services include eco-friendly project development, high-integrity carbon credits, sustainable business consulting, and more.

G6TGroup (FZC) (www.G6Tgroup.com) is UAE-based and specializes in advanced carbon-dioxide-removal technologies and commercial business model development in waste-to-value for organic and inorganic waste streams. It provides ESG/sustainability services, and collaborates with UAE and international R&D institutes.

WiSA Global-GBA Pty Ltd (www.irrigatewisa.com.au/wisaglobal-gba/) is an Australia-based WiSA Group and G6T Group partner. WiSA Group specializes in farm and irrigation Automation and biofuels and has successfully delivered 600+ projects worldwide, including in desert environments. WiSA Global-GBA specializes in upgrading waste to high-value products and facilitating green carbon dioxide removal. It designs and manufactures proprietary premium pyrolysis equipment for customers worldwide for various types of waste.

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