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Collaboration to develop seawater-based carbon removal project in Sarawak

- Boeing, SEDCE and Equatic sign MOU to deploy seawater-based carbon removal technology and produce green hydrogen.
- The project supports Sarawak's clean-energy strategy and advances carbon-removal innovation.
- Boeing is helping accelerate carbon removals as part of industry efforts to decarbonize aviation.

Kuching, Malaysia, September 3, 2025 — Boeing [NYSE: BA], SEDC Energy (SEDCE) and carbon removal specialist Equatic have signed a Memorandum of Understanding (MOU) to develop a carbon removal demonstration facility in the Malaysian state of Sarawak.

The project aims to advance carbon removal technology as well as supporting the Sarawak Government's clean energy plans with significant environmental and economic benefits. SEDCE is the new energy arm of the Sarawak Economic Development Corporation.

Equatic's seawater-based technology uses four inputs—seawater, air, rock, and renewable electricity—to remove and store carbon dioxide while simultaneously producing green hydrogen.

Sarawak is well positioned to develop hydrogen infrastructure due to its abundant renewable resources.

SEDCE chief executive Robert Hardin said this partnership paves the way for carbon removal and hydrogen technology maturation.

"Equatic's emerging technology has the potential to go beyond. Though this is a demonstration facility, it needs the right support and ecosystem to take it to the next level and Sarawak is the right place to be for clean hydrogen production and carbon removal," said Hardin.

Boeing, with its 78-year partnership with Malaysia, intends to provide project development support for the demonstration facility, which is projected to begin operations in 2026.

Advancing carbon removals is one facet of Boeing's strategy to decarbonize aviation, along with fleet renewal, renewable fuels, advanced technologies and operational efficiency.

"Boeing works globally to advance the sustainability goals of our customers and stakeholders," said Erika Pearson, Boeing vice president, Commercial Sales and Marketing, Southeast Asia and Oceania. "Our partnership with SEDCE and Equatic will support the Sarawak Energy Transition Policy and accelerate carbon removal technologies."

The proposed demonstration facility will leverage Equatic's seawater-based technology to remove 365 tonnes of carbon dioxide, while producing 10 tonnes of green hydrogen, and 80 tonnes of calcium carbonate (limestone) annually. The project's cost of operations will be offset by revenue generated from the sale of the three output streams.

"Carbon removal and green hydrogen are foundational pillars of Equatic's mission to enable cost-effective, economy-wide decarbonization," said Gaurav N. Sant, the co-founder and chief technology officer of Equatic. "By leveraging Sarawak's green hydrogen mission, hydroelectric power base, and decarbonization goals, this project will accelerate the commercial scaling of our carbon removal technologies for the benefit of the region and across the world."

This is Boeing's second collaboration with Equatic. In 2023, it entered into a pre-purchase option agreement with Equatic to remove 62,000 tonnes of carbon dioxide and deliver 2,100 tonnes of carbon-negative hydrogen to Boeing.

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About Boeing

As a leading global aerospace company, Boeing's relationship with Malaysia dates to 1947 when Malayan Airways Limited acquired its first Douglas DC-3. Boeing and Malaysia have worked in partnership for 78 years to support the development of aerospace and defense capabilities in the country. Boeing Composites Malaysia in Kedah provides composite products and subassemblies for all Boeing commercial airplane models and is Boeing's first wholly owned manufacturing facility in Southeast Asia.

Today, Boeing presence in Malaysia covers commercial aviation, defense and services, manufacturing, supply chain development, safety training, sustainability workshops and studies, university collaborations and community support initiatives.



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