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# Asia-Pacific's low-carbon fuel ambitions gain momentum with Honeywellâ??Keppel partnership

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**The collaboration will explore commercialisation pathways for sustainable aviation fuel, renewable diesel and emerging fuel technologies, as Singapore accelerates its ambitions to become a regional hub for sustainable aviation fuel adoption**



Honeywell Technologies and Keppel's Infrastructure Division have joined forces to advance the development of low-carbon fuels across Asia-Pacific, bringing together process technology expertise and infrastructure development capabilities to accelerate potential projects and expand regional production capacity.

The collaboration will focus on evaluating project deployment and commercialisation opportunities across several fuel pathways, including sustainable aviation fuel (SAF), renewable diesel, methanol-to-jet fuel and biocrude upgrading. The partnership comes as the aviation and transport sectors face mounting pressure to diversify fuel sources and reduce carbon emissions, creating demand for commercially viable alternatives to conventional fossil fuels.

At the centre of the initiative is Honeywell's portfolio of renewable fuels technologies, including its UOP Ecofining, Biocrude Upgrading and eFining processes, alongside technologies from its Catalyst Technologies business, recently acquired from Johnson Matthey. These solutions are designed to convert a range of renewable feedstocks into lower-carbon fuels, potentially opening new opportunities for regional production and supply chains.

The companies will assess how these technologies can be integrated with Keppel's infrastructure development capabilities to identify viable project configurations and routes to commercialisation.

" As demand for SAF and lower-carbon fuels continues to grow, the industry will need multiple technology pathways and strong collaboration across the value chain to scale production, and companies in the Asia-Pacific region are well positioned to help meet this need," said Rajesh Gattupalli, president of Honeywell Technologies UOP.

He highlighted the region's access to renewable feedstocks, including used cooking and fish oil, palm waste, woody biomass, municipal solid waste and hydrogen resources. Converting these locally available resources into lower-carbon fuels could strengthen regional supply chains while supporting energy security and resilience.

Singapore’s evolving SAF policy framework adds further momentum to the partnership. In 2026, SAF is expected to account for 1 per cent of aircraft fuel for flights departing Changi Airport, signalling an emerging market for production investments, technology deployment and alternative fuel supply chains.

For Asia-Pacific, the larger opportunity lies in translating feedstock availability and technological capabilities into commercially scalable production infrastructure. The Honeywell–Keppel collaboration reflects the growing importance of partnerships that can connect process innovation with project development as the region navigates its transition towards lower-carbon transportation fuels.