

## Emirates' test flight using 100% SAF scheduled for next year

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Dubai: Emirates and GE Aviation have signed a Memorandum of Understanding (MoU) to develop a programme that will see an Emirates Boeing 777-300ER, powered by GE90 engines, conduct a test flight using 100% Sustainable Aviation Fuel (SAF) by the end of 2022. Emirates' first flight powered by SAF was in 2017, operating from the Chicago O'Hare airport.

Currently, SAF approved for use is a blend of petroleum-based Jet A or Jet A-1 fuel and a SAF component with a maximum blend limit of 50%. 100% SAF does not require blending with conventional jet fuel.

The 100% SAF test flight is expected to demonstrate how widebody commercial aircraft using jet fuel made from alternative sources can lower lifecycle CO2 emissions compared to petroleum-based fuels with no operational issues.

Adel Al Redha, Chief Operating Officer, Emirates Airline, said: "Our partnership with GE Aviation to prepare for the test flight will be an important step towards securing certification of flights that are powered by 100% SAF."

The airline is also a member of the Clean Skies for Tomorrow coalition, established

by the World Economic Forum, which is supporting a transition to SAF as part of a pathway towards carbon-neutral flying.

All GE Aviation engines can operate with approved SAF, which is made from plant oils, algae, greases, fats, waste streams, alcohols, sugars, captured CO<sub>2</sub>, and other alternative feedstock sources.