

Mobility Plaza®

ADNOC opens UAE's first high-speed green hydrogen station

The new 'H2GO' pilot station is located in Masdar City to support the Emirate's National Hydrogen Strategy and the decarbonization of its transport sector.



ADNOC announced the opening of “H2GO”, United Arab Emirate's (UAE) first high-speed green hydrogen refueling station. This pilot project has been set up to test a fleet of zero-emission hydrogen-powered vehicles.

The station, located on land provided by Masdar City and operated by ADNOC Distribution, will create green hydrogen from water using an electrolyser powered by clean grid electricity.

The hydrogen supplied at the pilot station will be certified as “green” from solar sources by the International REC Standard, an internationally recognized certification organization. The pilot will be used to gather data to understand the long-term viability of hydrogen vehicles in the UAE.

“ADNOC continues to collaborate with local and international companies on innovative technologies

and low-carbon solutions that can accelerate decarbonization and support a responsible energy transition,” said Musabbeh Al Kaabi, ADNOC Executive Director, Low Carbon Solutions and International Growth.

The pilot is supported by the Integrated Transport Center in Abu Dhabi, and the high-speed refueler was provided by Linde, a leading global industrial gasses and engineering company. Throughout the pilot, the fleet of hydrogen vehicles are being provided by Toyota, Al Futtaim Motors and BMW, and will be tested by taxi companies, including Tawasul.

ADNOC has allocated an initial \$15 billion to advance lower-carbon solutions and develop decarbonization technologies to reduce its carbon intensity by 25% by 2030 and enable its Net Zero by 2045 ambition.