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# ISTANBUL CONGRESS WIN

# FUELLED BY HYDROGEN ENERGY



Istanbul will be a hub of hydrogen energy knowledge in 2022, when it hosts the world's most well-known conference in the field. The World Hydrogen Energy Congress is expected to attract more than 10,000 participants as scientists, researchers and engineers from more than 60 countries exchange scientific information with global leaders in the business, government, and scientific communities.

The Turkish city has long been at the cutting-edge of hydrogen energy technology, as host of the former

International Centre for Hydrogen Energy Technologies (ICHET). The United Nations Industrial Development Organization (UNIDO) project aimed to demonstrate and promote viable hydrogen energy technologies with the aims of enhancing future economic development, particularly in emerging countries. Hydrogen energy is renewable, sustainable and highly efficient as well as environment-friendly, though technological infrastructure and cost are current hurdles in its wider implementation.

While ICHET's plans to generate electrical energy out of the flow in the Bosphorus were never implemented, its research into hydrogen energy applications saw a number of successes, including: using hydrogen technology to power a hospital and a house on Bozcaada Island; and the EkoKaravan, a RV-type vehicle that requires no refuelling, relying instead on a hydrogen fuel cell, a solar array, and a retractable wind turbine. ICHET also launched a hydrogen filling facility in Eyüp-Feshane, the first designed to meet the fuel needs of both land and sea vehicles.

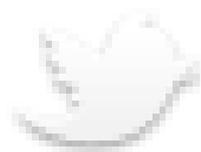
The congress is expected to be a milestone in efforts to deliver global energy solutions, with aims to make a key contribution to the carbon-free policy of the International Panel on Climate Change (IPCC). It will be helmed by two Turkish natives and respected leaders in the hydrogen energy field: Founding President of the International Association for Hydrogen Energy (IAHE), Prof. Dr. Nejat Veziroglu, as honorary chairman; and Prof. Dr. Ibrahim Dincer, IAHE's Vice President for Strategy, as chairman.

It will not be the first time Istanbul's renewable energy knowledge hub will be tapped by conference organisers: The city is due to host the IV European Conference on Renewable Energy Systems (ECRES) this month (August), while the 23rd World Energy Congress will be held in the city in October, under the theme 'Embracing New Frontiers'.

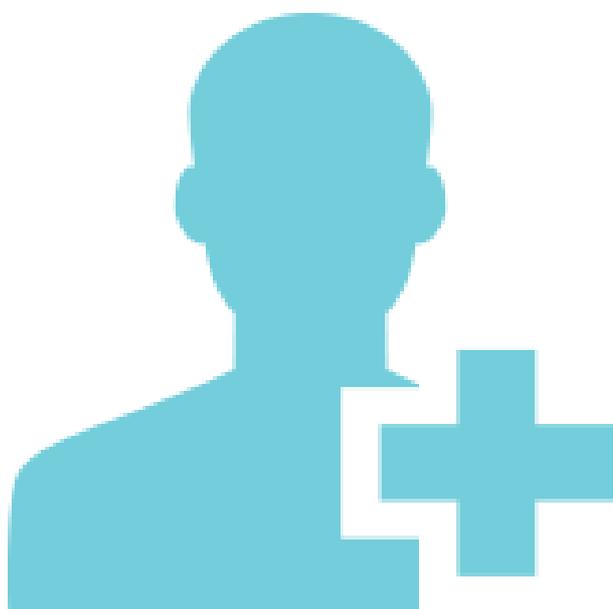
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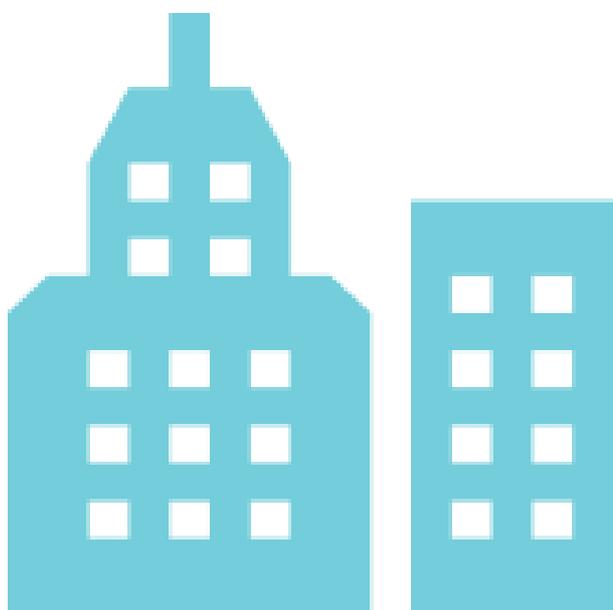
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