

Horizon Fuel Cell Technologies ship containerised 200kW Fuel Cell system to South Korea, for deployment at Ulsan Technopark.

UTP in South Korea is now implementing the first phase of their foray into hydrogen power from waste hydrogen streams, improving energy independence and capturing great environmental benefits.

Shanghai, China and Ulsan, South Korea, 4 April 2018: Horizon Fuel Cell Technologies has shipped a containerised 200kW Fuel Cell system to Ulsan in South Korea, having been chosen as the Fuel Cell supplier for the first stage of the ambitious UTP project aiming to achieve 1MW of electricity generation using waste hydrogen available in the progressive industrial city of Ulsan.

The UTP project will initially see the 200kW containerised solution installed, which recently shipped out of Horizon's new production facility in Rugao, China. The system is based on Horizon's 30kW liquid-cooled Fuel Cell modules.



The 200kW system being loaded onto transport in Rugao

This is the first major project to employ the latest liquid-cooled Fuel Cell stacks from Horizon, which deliver incredibly simple balance-of-plant for integration and deployment, opening the door to myriad applications where today's air-cooled PEM stacks can't reach, due to power limitations. The new Horizon stacks will also provide new levels of system affordability on a "per kW" basis.

George Gu, Horizon CEO was quoted as saying “The 200kW system recently sent to UTP in South Korea may be the first stationary generation application for our liquid-cooled PEM Fuel Cells, but we have already integrated them into buses and delivery trucks for a number of Chinese partners in the rapidly developing Fuel Cell Electric Vehicle (FCEV) market. We recently became the first supplier in China to provide the option of Government Certified 40kW modules for vehicle applications.”



Horizon 30kW FC stacks installed in the 200kW system

The UTP project is an example of the progressive steps being taken by South Korean government bodies, and will be keenly observed by many industrial cities around the world, the Fuel Cell system not being used for any captive demand, but feeding power into the local grid, operated by Korea Electric Power Corporation (KEPCO). Korean cities are at the forefront of hydrogen cities around the world.

About Horizon Fuel Cell Technologies:

Horizon is a world leader in PEM Fuel Cell systems, with a huge range of Fuel Cell stacks, in both air-cooled and liquid-cooled variants, offering modules delivering up to 40kW net output. Horizon recently announced a new production facility in Rugao, China, with design capacity of 30MW of PEM Fuel Cells per year.

In recent years, Horizon coupled methanol reformer technology with its PEMFC platform to offer highly reliable, cost-effective temporary and backup power systems for critical equipment, with integrated solutions from 100W to 5kW.

Horizon is active predominantly in China and South-East Asia, but has partners delivering their clean power solutions in many other markets.

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