



PRESS RELEASE

Hydrogen-powered refuse truck ensures quiet and clean environment in Gothenburg

17.06.2021 - From now on, Renova will collect household waste in Hisingen, Gothenburg using a hydrogen-powered refuse truck. The hydrogen is converted to electricity in the vehicle's fuel cells. The only emission is water vapour, which benefits everyone living and working in the city.

This is a collaboration between the City of Gothenburg, Renova, Scania, and PowerCell and is part of the FCH JU-funded [REVIVE project](#) (Refuse Vehicle Innovation and Validation in Europe)*. The vehicle will operate for five to seven years in the central parts of the city. It will refuel at a Hynion's public station ('Ruskvädersgatan') which is located in the area where the vehicle will be operational.

"Once again, it's great to be able to help show off Gothenburg as a pioneering city in waste management and vehicle technology," says Peter Årnes, cyclical and water strategist for the City of Gothenburg.

For the people of Gothenburg, hydrogen refuse trucks improve air quality because the only emission is water. Their electric operation is also quiet, which improves the quality of life for those living in the area and provides a better work environment for those operating the vehicle.

Fossil-free

"For Renova, the development of electrified vehicles is about being a pioneer when it comes to safety, the environment, and technical development. Since 2015, all 250 of our heavy-duty vehicles have been using fossil-free fuel, and in 2019 we started operating a fully electric refuse vehicle in central Gothenburg," says Anders Åström, CEO at Renova.

"Using hydrogen technology, we and our customers are taking yet another step forward when it comes to sustainable recycling and waste management. The vehicle has a variety of benefits for everyone living and working in the city, for the urban environment, and for our staff."

The vehicle has all the benefits of a [battery] electric vehicle, and has range, operational time and load capacity comparable to a conventional diesel truck. "Unlike other electric heavy-duty vehicles, a hydrogen-powered vehicle needs only one battery," says Hans Zackrisson, Vehicle Development Manager at Renova.

Sustainable transport

Scania, which has a multifaceted view of sustainable transport, points to the partnership as key to the success of the development of Sweden's first hydrogen-powered truck.



“I’m proud that we’ve now developed fuel cell-powered heavy-duty vehicles in Sweden. It shows once again how important it is to work with sustainability, as well as the importance of working in groups and together with our partners. It will be interesting to follow the vehicle in service in Gothenburg and the surrounding area over time,” says Joar Turesson, Product Marketing Manager at Scania Sweden.

“Thanks to fuel cells and hydrogen, we can electrify heavy-duty vehicles while retaining load capacity and range with a refueling time similar to a diesel-powered vehicle,” says Andreas Bodén, Sales Manager at PowerCell Sweden AB.



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For more information about REVIVE:

[Home – Revive \(h2revive.eu\)](http://h2revive.eu)

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