Project one-pager Nel Hydrogen

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1. Project description

Nel Hydrogen (NEL) is a world leading developer and manufacturer of hydrogen fueling equipment for cars, buses and trucks, since 2003. NEL operates the world's largest manufacturing facility for fueling equipment and have more than 200 people active on development and deployment in Europe, US and Korea.

Under the IPCEI umbrella NEL want to support a widespread market deployment of hydrogen fueling infrastructure for Heavy Duty Vehicles (HDV) such as medium and long-haul trucks.

NEL is currently preparing the next generation fueling equipment for HDVs with the aim to achieve parity with fossil fuels on both price and performance. Compared to conventional hydrogen fueling equipment for cars, capacity will be substantially increased to support the much larger fueling demand from HDVs such as trucks.

Aim will be to facilitate selected pilot-hub locations across Europe, where partners join forces in addressing all aspects in the value chain, for hydrogen production and supply, over fueling infrastructure to of course HDV fleets and use hereof.

Target is for the pilot efforts to commence as early as 2023, enabling a gradual transition to a widespread deployment of HDVs and supporting hydrogen infrastructure beyond 2025 and onwards 2030.

Please select which part of the value chain for hydrogen your project focuses on (select one or more, where applicable):

Production	Transmission	Industrial application	Mobility	Energy	Housing application	Other
☐	☐	☐	☒	☐	☐	☐

2. Partnerships and spillover effects

NEL welcomes partners such as hydrogen infrastructure operators, vehicle manufacturers and HDV fleet operators to join pilot efforts on deploying hydrogen infrastructure for HDVs at selected locations in Europe.

Infrastructure operators with interest in addressing hydrogen production and distribution as well as operation of fueling stations for HDV's will be needed for the efforts.

Vehicle manufacturers targeting deployment of HDVs in Europe onwards and beyond 2025 can help facilitate an early hydrogen demand for the infrastructure.

HDV fleet operators can provide the necessary use case for the vehicles, and achieve an early start on transitioning towards use of renewable fuels in their transportation.

NEL is also interested joining HDV pilot and deployment efforts that may already be under planning in Europe. NEL's potential contribution to the efforts can be hydrogen fueling equipment for HDVs and supporting installation and maintenance.