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PRESS RELEASE

# H2Accelerate – new collaboration for zero emission hydrogen trucking at mass-market scale

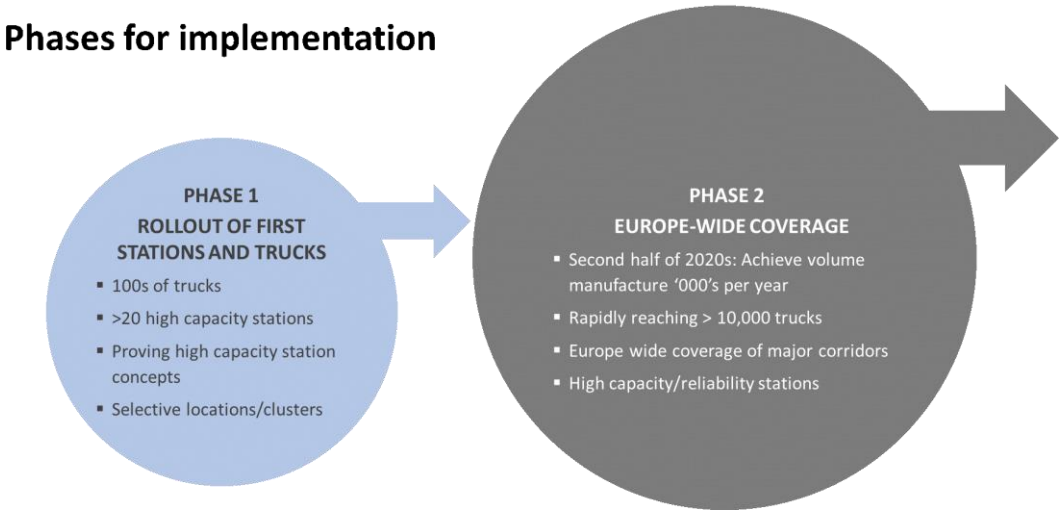
*Turin, 15th December 2020*

IVECO, Daimler Truck AG, OMV, Shell and the Volvo Group today committed to work together to help create the conditions for the mass-market roll-out of hydrogen trucks in Europe.

As a growing number of governments and businesses align on a common vision of a net-zero emissions energy system, the H2Accelerate participants believe that hydrogen is an essential fuel for the complete decarbonisation of the truck sector.

Achieving a large-scale roll-out of hydrogen fuelled trucks is expected to create new industries: zero-carbon hydrogen production facilities, large-scale hydrogen distribution systems, a network of high-capacity refuelling stations for liquid and gaseous hydrogen, and the production of the hydrogen fuelled trucks. H2A participants believe that synchronized investments across the sector during the 2020s will create the conditions for the mass market roll-out of hydrogen fuelled heavy duty transportation which is required to meet the European ambition of net zero emissions by 2050.

The decade long scale-up is expected to begin with groups of customers willing to make an early commitment to hydrogen-based trucking. These fleets are expected to operate in regional clusters and along European high capacity corridors with good refuelling station coverage. During the decade, these clusters can then be interconnected to build a truly pan-European network.

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Throughout the scale up, support from the public sector will be required. Under H2Accelerate, the participants expect to work together to seek funding for early pre-commercial projects during the first phase of the roll-out. In parallel, the participants will engage with policy makers and regulators to encourage a policy environment which will help support the subsequent scale up into volume manufacturing for hydrogen trucks and a Europe-wide refuelling network for zero carbon hydrogen fuel.

## Comments from participants:

**Gerrit Marx, President Commercial & Specialty Vehicles at CNH Industrial**, stated: "The widespread adoption of hydrogen fuel-cell technology in heavy-duty transport is a function of the necessary infrastructure. We also need very concrete projects to demonstrate with hauliers and other stakeholders in the industry that this solution is financially and operationally viable. The ground-breaking H2Accelerate collaboration will create the conditions for this to happen and accelerate the transition to zero-emission transport."

"The prize is clear. By boosting scale in a big way, hydrogen fuelled trucks will need to become available to customers at or below the cost of owning and operating a diesel truck today. This means truck customers will need to have access to a fully zero emissions vehicle with a similar refuelling time, range and cost range compared to the vehicles in use today. To achieve this ambition a clear regulatory framework is needed, including policies addressing the supply of hydrogen, hydrogen fuelled trucks, refuelling infrastructure and consumer incentives in a coordinated way," said **Elisabeth Brinton, Executive Vice President for New Energies at Shell.**

## About H2Accelerate

H2Accelerate is a collaboration agreement signed between the participants under which the participants will work together to:

- seek public support to fund early pre-commercial projects to activate the market on the path towards a mass market roll-out;
- communicate around the technical and commercial viability of hydrogen fuelled trucking at scale; and
- hold discussions with policy makers and regulators to encourage policies which can support a sustainable and speedy activation of the zero emissions long haul trucking market.

## About the companies involved

**IVECO**

IVECO designs, manufactures and markets a wide range of light, medium and heavy commercial vehicles, off-road trucks, and vehicles for applications such as off-road missions. IVECO is investing in electric and hydrogen technology with driveline specialist FPT Industrial, also part of CNH Industrial, and through its partnership with Nikola Corporation.

**Shell New Energies NL B.V.**

The Royal Dutch Shell Group of Companies are working to support the development of a global hydrogen market by creating an end-to-end business stretching from solar and wind to hydrogen production and finally supplying a growing range of customers in transport, heavy industry and other hard-to-decarbonise sectors.

**Daimler Truck AG**

In September 2020, Daimler Truck AG celebrated the world premiere of the fuel-cell concept truck Mercedes-Benz GenH2 Truck. It is conceptualized with liquid hydrogen for flexible and demanding long-distance haulage operations with ranges of up to 1,000 kilometers and more on a single tank of hydrogen with its series version. Daimler Truck AG plans to begin customer trials of the GenH2 Truck in 2023; series production is to start in the second half of the decade. In November, the Volvo Group and Daimler Truck AG signed a binding agreement for a joint venture to develop, produce and commercialize fuel-cell systems.

**OMV Aktiengesellschaft**

OMV produces and markets oil and gas, innovative energy and high-end petrochemical solutions – in a responsible way. Sustainability is an integral part of OMV's corporate strategy. OMV supports the transition to a lower-carbon economy and has set measurable targets for reducing carbon intensity and introducing new energy and petrochemical solutions.

**Volvo Group and Hydrogen**

Volvo Group's ambition is that 100% of our products are fossil fuel free enabled from 2040. There will be a gradual shift into electric, both battery and fuel cell electric. For use cases with heavier loads or longer distances, hydrogen fuel cells will be an important technology. The two technologies complement each other and both will be needed in order for us to build the sustainable transport system of tomorrow. In November, the Volvo Group and Daimler Truck AG signed a binding agreement for a joint venture to develop, produce and commercialize fuel-cell systems.

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