



HYDROGEN – PART OF THE FUTURE OF HEAVY-DUTY TRANSPORT

NOW GmbH and the Clean Energy Partnership (CEP) host third Heavy Duty Event

Berlin, 21/04/2021. Because of increasing transport distances and volumes, the growth boom in heavy-duty transport is causing ever-increasing harmful emissions in the transport sector. Manufacturers and logistics companies are however, facing sizeable challenges in switching to zero-emission vehicles. In cooperation with the Clean Energy Partnership (CEP), NOW GmbH has organised an international information event on 21 April 2021 on the latest developments in hydrogen and fuel cell technology in the field of heavy-duty transport.

On 21 April 2021, NOW and the CEP informed over 900 participants about the latest developments in the heavy-duty sector. Following an introductory round with Jörg Starr, Chair of the Clean Energy Partnership (CEP), Kurt-Christoph von Knobelsdorff, Managing Director (Chair) of NOW GmbH and Bart Biebuyck, FCHJU Executive Director, there were keynote speeches from representatives of Toyota, Hyundai, Daimler Truck AG, Linde and Cryomotive. Presentations included new approaches for refuelling with liquid hydrogen (LH2), the technical advantages of pressurized hydrogen at cryogenic temperature or advantages and technical standards of pure gaseous hydrogen. New developments were also presented on the topic of infrastructure for refuelling long-distance transport with hydrogen. Jan Zerhausen from Ludwig-Bölkow-Systemtechnik (LBST) spoke about the current study: "Imported hydrogen fuels for long-distance trucking in Germany", among other issues.

Kurt-Christoph von Knobelsdorff, Managing Director (Chair) NOW GmbH: "Road freight transport is crucial for achieving climate protection goals in the transport sector. Fuel cells will play an important role here, because short refuelling times, long ranges and other logistics requirements like just-in-time deliveries can hardly be met with exclusively battery-electric LKWs. Fuel cell technology, with hydrogen as an energy source, offers promising solutions for precisely this application area."

Jörg Starr, Chair of Clean Energy Partnership (CEP): "For a successful transport and energy transition, we have to act, and act now. An approach that is open to all technologies is important for finding the optimal solution for each application across all transport modes and sectors. We are facing challenges that cannot be resolved with purely battery-electric mobility. We need mobility with hydrogen and fuel cells – also and especially in the heavy-duty transport sector."

About NOW GmbH: The mission statement of NOW GmbH is a climate-neutral society. It supports the federal government in its climate and industrial policy goals by advancing sustainable technologies and innovative concepts. The focus is on the mobility sector, while adjacent sectors in terms of an integrated energy system are also taken into account. In addition to the implementation and coordination of funding programmes, NOW GmbH supports strategic stakeholder processes on behalf of federal ministries, shapes international cooperation and is concretely committed on the ground to the acceptance of alternative technologies in society.
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hydrogen, naturally.

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The Clean Energy Partnership (CEP) partners/members work as an industry alliance to further establish green, hydrogen- and fuel cell-powered mobility on the market. With a focus on supply security and environmental compatibility. Here, technology, petroleum and energy/utility companies, gas producers, and car manufacturers collaborate across industries and sectors. Together, we set standards across all modes of transport. Innovatively and with a view to the future. We are natives of the mobility sector, but consider all adjacent sectors. We see the big picture. Our solution for a successful energy and transport transformation? Hydrogen, naturally!