

MAGIRUS RELIES ON CLIMATE-NEUTRAL HVO100 FOR FIRST REFUELLING:

Quickly available solution for sustainability within the firefighting

- Magirus, world market leader in turntable ladders, is now carrying out the initial refuelling with HVO100
- HVO100 improves air quality and significantly reduces greenhouse gas emissions
- Innovative solution leads to cleaner engines and benefits during cold starts
- **Crisis-proof: emergency refuelling with regular diesel is always possible**

Ulm, Germany – 01.04.2025

Magirus, the world's leading supplier of turntable ladders, with immediate effect will be refuelling its firefighting vehicles with HVO100 (Hydrotreated Vegetable Oil) on delivery. This measure applies to all vehicles whose chassis manufacturers have already issued a binding approval, including already existing vehicles.

HVO100 is a synthetically produced fuel and is made from vegetable and animal oils and fats. These raw materials mainly come from waste from the food industry, such as used cooking oil and fat residues. Hydrogenation produces a chemically pure fuel that is an environmentally friendly alternative that has been legalised since 2024 to conventional diesel. The use of HVO100 not only offers a significant reduction in greenhouse gas emissions, but also improved air quality thanks to lower emissions of particulates and nitrogen oxides. "The synthetic fuel also keeps engines clean for longer. These factors make HVO100 an ideal choice for use in fire engines, which often have to operate under extreme conditions," says Thomas Hilse, CEO Magirus.

The advantages are also reflected in improved fuel combustion, smoother engine running and good cold-start behaviour.

Well-known chassis manufacturers have also recognised these advantages for the engine and have approved the majority of their diesel engines. Many modern diesel engines can now be operated with HVO100 without any problems. Binding vehicle-specific information can be obtained from the relevant authorised workshop or on the website of the "Mobil in Deutschland e.V." association. Various pages on the internet provide information on the constantly increasing availability, including (in German) <https://hvo100.team/hvo-tankstellen-karte/>.

"With the use of HVO100, Magirus is already pursuing the goal of making a sustainable contribution to environmental protection and making firefighting operations as emission-free as possible," adds Marc Kuntz, Director Sales and Customer Service. "The decision to use HVO100 as the standard fuel for initial refuelling demonstrates Magirus' commitment to promoting innovative and sustainable technologies and underlines its

commitment to environmentally friendly solutions in firefighting. Battery-powered engines are not yet suitable for firefighting vehicles," concludes Thomas Hilse, CEO Magirus.

While HVO100 suitability has no influence on the procurement costs of combustion vehicles, these are significantly higher for electrically powered emergency vehicles, also due to the significantly shorter lifetime of the batteries. Combined with the risks associated with the availability of high-voltage batteries, the crisis safety is currently still in doubt.

For this reason, Magirus recommends the use of HVO100 to every innovative and sustainably orientated fire brigade and, from today onwards, relies on this climate-neutral and crisis-proof fuel.

Further information about Magirus and HVO100 can be found at:

<https://www.magirusgroup.com/de/en/products/features/hvo100/>

and in the HVO100 brochure at the following link for the:

https://www.magirusgroup.com/de/fileadmin/resources/download/brochures/Magirus_Leaflet_HVO100_2025-03_EN.pdf

Captions (Copyright Magirus):

Image: Magirus introduces initial refuelling with HVO100

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ABOUT MAGIRUS

Passion and precision, high-tech and craftsmanship. Since 1864, Magirus has stood for the combination of innovation and tradition - for the benefit of firefighters all over the world. With a comprehensive range of intelligent turntable ladders, ultra-modern and reliable fire engines, rescue and equipment vehicles, tactical deployment and extinguishing robots, digital fleet and deployment management systems, pumps, portable pumps, versatile equipment and clever accessories, Magirus has been one of the largest and technologically leading suppliers of fire and disaster protection technology worldwide for over 160 years. Magirus employs more than 1,400 people at four locations: Ulm/Germany, Graz/Austria, Brescia/Italy and Chambéry/France.