

## Conformity with Euro 6 EU emissions standard now complete

*Magirus superstructures now compatible with all available new-generation chassis and motors / Joint development with IVECO based on patented HI-SCR technology offers fire departments considerable advantages when entering, as well as better space utilisation*

Ulm, 21 January 2016

Introduction of the new Euro 6 EU emissions standard has not affected the choices available to fire departments. Even after conversion to the newest generation of Euro 6 diesel motors, Magirus superstructures and fire protection technology can be used on the chassis of all common commercial vehicle manufacturers. As the company announced at a press conference in Ulm on Thursday, 21 January, corresponding technical adaptations for superstructures have been made for all combustion and exhaust treatment systems of relevant manufacturers. "Conversion of the exhaust systems presented us with a number of problems, as we had to make modifications near the crew compartment entry, and also ended up with excess weight in the cab. We have now solved all of these problems for all vehicle types and applications," said Enzo Viola, Head of Development at Magirus. This affects all systems available on the market, whether they rely on exhaust gas recirculation and active regeneration of the particulate filter or – as in the case of the patented IVECO HI-SCR technology – manage without regeneration by simply "burning out" the particulate filter.

This intensive cooperation with IVECO is exemplary for the comprehensive research and development work of Magirus, one of the world's leading manufacturers of equipment for fire-fighting and disaster protection technology. The result was the development of vehicles with crew compartments and superstructure that offer fire departments numerous practical advantages – all based on IVECO's patented "SCR Only" technology. One example is the startlingly low-level turntable ladder vehicle Magirus first presented at the Interschutz 2015. It is built on an IVECO chassis featuring the new Euro 6 diesel motor and HI-SCR technology.

Compared to Euro 6 motors, which in addition to Selective Catalytic Reduction (SCR) through the injection of urea (e.g. AdBlue) also include additional exhaust gas recirculation (EGR), "SCR Only" technology significantly reduces weight, lowers fuel consumption and takes up less space. Especially for fire-fighting and disaster response vehicles, this provides a number of advantages:

Compliance with the Euro 6 emissions standard has been required throughout Europe since 1 January 2014 for all newly registered trucks. Euro 5 motors in police, fire department and disaster response vehicles with a permissible gross weight of over 3.5 tonnes are still allowed under exemption clauses set up by the German federal states. These exemption clauses will expire in 2016, 2017 or 2018, however, depending on the state. Regardless of this, most Magirus vehicles are now ordered and delivered with Euro 6 motors.

**About Magirus**

*Passion and precision, high-tech and craftsmanship. Since 1864, Magirus has stood for the combination between innovation and tradition – to assist fire-fighters throughout the world. With a comprehensive range of the most modern and reliable fire engines, turntable ladders, rescue and equipment vehicles, special solutions, pumps and portable pumps, Magirus is known throughout the world as one of the largest and technologically leading providers of fire-fighting and disaster control technology.*

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