

Press Release

Munich, November 15, 2021

With ProFleet Assist⁺ Gen 2, powered by Mobileye[®], Knorr-Bremse TruckServices has recently launched the next generation of its retrofittable turning assistant on the European market

- With its numerous enhancements, ProFleet Assist⁺ Gen 2 offers even greater protection for vulnerable road users
- EyeQ4, the next-gen computer vision processor from Mobileye, can identify even more objects simultaneously, responding faster and even more reliably to hazardous situations
- New connectivity function streamlines future updates
- In recent tests by German Automobile Club ADAC, ProFleet Assist⁺ Gen 2 was ranked in the top 3

Munich, November 15, 2021 – Knorr-Bremse TruckServices, the commercial vehicle aftermarket segment of Knorr-Bremse, the global market leader for braking systems and a leading supplier of other systems for rail and commercial vehicles, and Intel company Mobileye have recently launched the next generation of their retrofittable turning assistant, ProFleet Assist⁺ Gen 2. ProFleet Assist⁺ Gen 2 employs algorithms that have been optimized with the aid of artificial intelligence – its numerous enhancements offer even greater protection for vulnerable road users. Along with eight other retrofittable turning assistants for commercial vehicles, ProFleet Assist⁺ Gen 2 was recently tested by the German Automobile Club ADAC and placed in the top three. One key reason for this ranking was the system’s ability to reliably distinguish between vulnerable road users and other objects, minimizing the number of false alerts.

“We’re delighted to launch together with Mobileye the next generation of our retrofittable turning assistant,” says Bernd Spies, Chairman of the Management Board of Knorr-Bremse Commercial Vehicle Systems. “This enables us to make an important contribution to greater traffic safety and help defuse situations with a high risk of accidents. EyeQ4, the next-gen computer vision processor from our partner company Mobileye, can identify more objects simultaneously, and reacts faster and more reliably to hazardous situations.”

ProFleet Assist⁺ Gen 2 side cameras with enhanced features

Alexander Wagner, Vice President Aftermarket / TruckServices EMEA at Knorr-Bremse Commercial Vehicle Systems, adds: “The enhanced image-processing capabilities of the latest processor generation mean that even in difficult lighting conditions, for example at night with only the vehicle’s or street lighting available, the side cameras are better able to capture hazards. At the same time, a heating element built into the side cameras ensures trouble-free operation even in sub-zero temperatures.”

The side cameras provide clear coverage of the danger zone – the driver’s blind spot – during turning maneuvers. In critical situations, the retrofittable turning assistant draws the driver’s attention to potential hazards by showing warnings on a side display in the cab. This is positioned in such a way that the driver has a clear view of it when turning.

New connectivity function facilitates future updates

The second generation of the retrofittable turning assistant also features a new connectivity function. Along with an integrated communication module, the front camera is fitted with an

external GPS receiver, which is used to remotely and wirelessly download future system enhancements as Firmware Over The Air (FOTA) updates. This includes, for example, the ability to identify a broader range of potential hazards.

Cross-brand retrofitting available from Alltrucks

Like its predecessor, the second generation of ProFleet Assist+ has type approval for the German market. The Europe-wide, full-service workshop concept Alltrucks is able to rapidly and reliably retrofit ProFleet Assist+ Gen 2 systems to commercial vehicles that are not already equipped with turning assistants. The system can be fitted to any and all makes.

Recently, Knorr-Bremse TruckServices also appeared for the first time in the annual readership poll organized by publishing house ETM Verlag. The company featured in the new “Retrofittable Turning Assistant” category – and promptly carried off ETM’s Best Brand 2021 award for the company’s ProFleet Assist+ driver assistance solution. More information on ProFleet Assist+ is available here: <https://truckservices.knorr-bremse.com/en/fleets/fleet-solutions/retrofittable-driver-assistance-systems/>

Knorr-Bremse (ISIN: DE000KBX1006, Ticker symbol: KBX) is the global market leader for braking systems and a leading supplier of other rail and commercial vehicle systems. Knorr-Bremse’s products make a decisive contribution to greater safety and energy efficiency on rail tracks and roads around the world. About 29,500 employees at over 100 sites in more than 30 countries use their competence and motivation to satisfy customers worldwide with products and services. In 2020, Knorr-Bremse’s two divisions together generated revenues of EUR 6.2 billion (IFRS). For more than 115 years the company has been the industry innovator, driving innovation in mobility and transportation technologies with an edge in connected system solutions. Knorr-Bremse is one of Germany’s most successful industrial companies and profits from the key global megatrends: urbanization, sustainability, digitalization and mobility.

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