



WABCO has Joined ENSEMBLE Consortium to Develop Advanced Safety Technologies for Multi-Brand Platooning on Roads in Europe; Marks another Industry Milestone towards Autonomous Driving

September 26, 2018

BRUSSELS, Belgium, and HANNOVER, Germany, Sept. 26, 2018 (GLOBE NEWSWIRE) -- WABCO Holdings Inc. (NYSE: WBC) (www.wabco-auto.com), the leading global supplier of braking control systems and other advanced technologies that improve the safety, efficiency and connectivity of commercial vehicles, today announced at IAA Commercial Vehicles 2018 that it has joined the ENSEMBLE consortium to develop advanced safety technologies for multi-brand platooning on roads in Europe. This, in addition to WABCO's close collaboration on the platooning programs of two global original equipment manufacturers (OEMs), headquartered in Europe, marks another industry milestone towards autonomous driving for commercial vehicles on highways.

WABCO and these leading OEM customers are contributing to the ENSEMBLE innovation consortium which is seeking to develop and demonstrate multi-brand truck platooning in Europe. The ENSEMBLE consortium, co-funded by the European Union, will facilitate platooning-related technologies involving trucks from different manufacturers.

WABCO is further differentiated as being the only supplier within the ENSEMBLE consortium that is able to offer turnkey solutions for the integration of braking and advanced driver assistance systems required to enable platooning for convoys of trucks. WABCO is contributing to the consortium through its sophisticated systems integration capabilities - a reflection of its technology leadership and domain expertise.

WABCO will support the ENSEMBLE consortium's development and testing of multi-brand platooning by delivering platooning algorithm and connectivity enhancements for WABCO's OnGuard™ autonomous emergency braking systems (AEBS), active cruise control (ACC) and WABCO's electronic braking system (EBS). This helps support faster responses from stability and dynamic systems, thereby enabling a following distance as close as 0.5 seconds between each truck. WABCO is the first OEM-independent supplier of active collision mitigation and autonomous emergency braking systems, with more than 450,000 OnGuard safety systems sold worldwide.

In addition, WABCO's innovative advanced braking functionality now provides valuable brake performance estimation. This, together with WABCO's innovative use of a vehicle-to-vehicle communication link, helps in optimum pairing of two or more trucks, allowing multi-brand platooning combinations. The ENSEMBLE consortium targets development of solutions developed with the purpose of bringing them in series introduction as early as possible.

"We are delighted to collaborate with our OEM customers to help pave the way for the adoption of multi-brand truck platooning on roads in Europe," said Jorge Solis, WABCO President, Truck, Bus and Car Original Equipment Manufacturers (OEM) Division. "We are also proud to contribute to the future success of the ENSEMBLE innovation consortium, by bringing our technology leadership in automated driving solutions that enhance vehicle safety, efficiency and performance."

"This strategic development in Europe is another example of how WABCO is mobilizing vehicle intelligence to propel our industry towards an increasingly autonomous and connected future. More than a decade ago, WABCO had anticipated technologies for commercial platoons that would enable several mixed tractor-trailer combinations to follow each other safely at highway speeds," added Solis.

While its initial focus is on Europe, WABCO also expects to roll out its platooning-related innovations to other regions, including China and North America.

Within the ecosystem of transport across industry sectors, commercial vehicle platooning can improve fuel economy and reduce emissions due to the reduced aerodynamic drag for paired trucks. WABCO estimates that a two-truck platooning configuration operating at safe following distance can improve fuel economy for commercial fleets by more than 7 percent.

Furthermore, platooning trucks and trailers equipped with WABCO OptiFlow™ aerodynamic technologies can achieve additional fuel savings up to 7 percent in Europe.

Jointly funded as a public and corporate initiative, the ENSEMBLE consortium is expected to demonstrate multi-brand truck platooning on public roads in 2021 and to assess the impact of platooning on infrastructure, road safety and traffic flow. Funding from the European Union is through Horizon 2020, the EU's largest ever research and innovation program.

WABCO at IAA Commercial Vehicles 2018

WABCO showcases its industry-leading technologies and services that improve the safety, efficiency and connectivity of commercial vehicles worldwide at IAA Commercial Vehicles 2018. This includes the latest technologies in braking, advanced driver assistance, fleet management solutions and aerodynamics.

Visit WABCO in Hall 16 at Booth B10

Deutsche Messe Exhibition Grounds, 30521 Hannover, Germany

Public Days: September 20 - 27, 2018, 9 AM - 6 PM CET

For more information about WABCO's participation at IAA Commercial Vehicles 2018, please [visit](#)

WABCO's Live Demonstrations at 'New Mobility World'

WABCO demonstrates daily its latest aerodynamics technologies for commercial vehicles, an advanced electronic security system, as well as its

newest trailer cargo management solutions. Also on display during the demonstrations, WABCO highlights its eTrailer prototype showcasing the future of trailer electrification. Visit "New Mobility World Live" in the outdoor exhibition area, north of Hall 26.

WABCO's Speaker at 'New Mobility World' Forum

Forum Event: The New Era of Smart Data and Intelligent Telematics
Topic: Applying Intelligent Vehicle Technologies to Fight Cargo Crime
Speaker: Christiaan Verschueren, Vice President, Trailer Systems, WABCO
Date: September 27
Time: 10:00 to 11:00 AM CET
Location: Pavilion 11, Section D

About WABCO

WABCO (NYSE: WBC) is the leading global supplier of braking control systems and other advanced technologies that improve the safety, efficiency and connectivity of commercial vehicles. Originating from the Westinghouse Air Brake Company founded nearly 150 years ago, WABCO is powerfully "Mobilizing Vehicle Intelligence" to support the increasingly autonomous, connected and electric future of the commercial vehicle industry. WABCO continues to pioneer innovations to address key technology milestones in autonomous mobility and apply its extensive expertise to integrate the complex control and fail-safe systems required to efficiently and safely govern vehicle dynamics at every stage of a vehicle's journey - on the highway, in the city and at the depot. Today, leading truck, bus and trailer brands worldwide rely on WABCO's differentiating technologies. Powered by its vision for accident-free driving and greener transportation solutions, WABCO is also at the forefront of advanced fleet management systems and digital services that contribute to commercial fleet efficiency. In 2017, WABCO reported sales of \$3.3 billion and has nearly 15,000 employees in 40 countries. For more information, visit www.wabco-auto.com and, for WABCO's 2017 Annual Report, visit ar.wabco-auto.com.

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Source: WABCO Holdings Inc.