

REDUCED COSTS AND INCREASED SAFETY THROUGH RELIABLE TIRE PRESSURE MONITORING



“In order to reduce operating costs and to extend the lifetime of tires, we have installed **WABCO's tire pressure monitoring system** from 2006. Since then, we significantly reduced tire maintenance costs compared to manual checks our team performed previously. Going forward, we plan to equip more of our buses with the system, as it offers efficiency gains but also maximum safety for our passengers.”

Karl Kast,
Deputy Workshop Manager,
Stadtwerke Augsburg Verkehrs-GmbH

Founded nearly 150 years ago, WABCO continues to pioneer breakthrough electronic, mechanical and mechatronic technologies for braking, stability and transmission automation systems supplied to the world's leading commercial truck, bus and trailer manufacturers.

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Founded in 1938, Stadtwerke Augsburg (SWA) today is Bavaria's third largest public utility company delivering electricity, natural gas, district heating and drinking water to more than 350,000 customers in the Augsburg region. SWA's bus and tram fleets offer public transport services to about 56.9 million passengers every year. Within a transport network that covers about 200 kilometers and over 700 stops, the 120 buses drive about 5.5 million kilometers annually, the trams add another 3.9 million kilometers. Currently the company employs 1.828 people.



As regional public transport company, SWA depends on the failure-free operation of their fleet. Operating and maintenance efforts as well as costs for vehicle repair should be as low as possible. To offer reliable and safe transport services to the customers, tire damages need to be reduced to a minimum, and they need to be detected and fixed in the fastest possible way. Until 2006, SWA employees checked the tire pressure manually, a very time consuming and error-prone procedure.

SWA's buses are operating on a tight schedule every day. A strain for the vehicles that also leads to increased tire wear and makes the material prone to damages. It is not always easy to detect over- or under-inflation in the tires – but the consequences of an incorrect tire pressure are obvious. It reduces the lifetime of the tires and causes unnecessary costs. More than that, under-pressure leads to increased rolling resistance resulting in higher fuel consumption. In times of steadily increasing fuel prices, fuel efficiency is a crucial aspect for fleets. Also, undetected tire damages are a safety risk for passengers and other traffic participants. Often, low tire pressure also has negative effects on vehicle handling and stability as well as on braking performance.

EFFICIENCY AND MAXIMUM SAFETY

Since 2006, SWA relies on WABCO's tire pressure monitoring system IVTM™. By now, half of the fleet is equipped with the system. Vehicle downtimes could be reduced significantly. IVTM detects slow leaks and transmits a warning signal to the cabin. The driver can take immediate action and prevent further damages. Through continuous monitoring, tire inflation can be kept at an optimum level. This results in a reduction of tire wear, maintenance efforts and fuel consumption, and also helps to bring down the number of tire related accidents. To sum up, thanks to IVTM, the SWA fleet benefits from significantly improved operating costs. At the same time overall safety of passengers and other traffic participants has been increased.



Don't compromise on safety and efficiency of your vehicles and rely on WABCO's IVTM tire pressure monitoring!

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