



Intelligent Trailer Program

It's what's inside that counts.



Raise your trailers' IQ and your return on investment

In today's competitive, cost-conscious and highly regulated transport world, every decision counts. The award-winning Intelligent Trailer Program offers up to 40 opportunities to improve advanced safety, operational efficiency, driver comfort & effectiveness, load optimization and fuel & CO₂ reduction.



Operational Efficiency

There are three keys to trailer operational efficiency: knowledge, speed and simplification. Because the more you know about a vehicle and the less you have to do on the road, the better it is for both drivers and fleet management. Which is precisely what this customizable combination of intelligent functions is designed to achieve.



OptiLevel™

Trailer height control reduces fuel consumption and safely accelerates loading/unloading operations



Operating Data Recorder

'Black Box' that records all trailer operating data including driver behavior, analysis and utilization



Return-to-Load Level

Automatically maintains trailer at the level of the loading bay during loading/unloading procedures



Notebook Memory

Key vehicle data is stored in the memory of Trailer EBS to optimize service and support



Memory Level

Programmable trailer height levels to achieve optimum on-the-road efficiency and safety



OptiTurn™

Improves trailer maneuverability on roundabouts and through sharp corners



OptiLink

Smartphone-App to monitor and control trailer safety and efficiency functions



Trailer Extension Control

Safely accelerating telescopic trailer extension process



TX-TRAILERGUARD

Premium trailer connectivity solution which monitors, reports and analyzes all critical data from the trailer and its connected peripherals



Battery Control

Maintains uncoupled trailer functions active without power from the truck



TX-TRAILERPULSE

Robust trailer telematics which combines real-time track and trace functionality with additional trailer health and remote diagnostic information



Advanced Multi-Voltage

Connect 12V and 24V trucks to your trailer without converters



OptiLock

Electronic high security locking system for trailer and container doors



ServiceMind

Alerts drivers on due service intervals on the trailer



Immobilizer

Protects your trailer with a "clean-hands" alternative to the kingpin lock



Brake Pad Wear Indicator

Detects and alerts when brake pads need replacement



Advanced Safety

Cornering, braking, reversing, delivering... every aspect of a trailer's journey can hold its potential dangers. WABCO's Intelligent Trailer Program Advanced Safety Features help mitigate these potential dangers and improve the driver's experience.



Anti-Lock Braking Function (ABS)

Optimizes trailer control during emergency braking by preventing the wheels from locking and slipping on the road



SafeStart

Automatically brakes the trailer when detecting a lifted tipper, an opened pallet box or an unclosed filling dome



Rollover Stability Support (RSS)

Automatically brakes the trailer when it threatens to roll over on a bend



Electronic Park Brake

Automatically brakes the trailer during coupling and uncoupling



Tilt Alert

Warns the driver when the trailer reaches a critical tilting angle to prevent it from tilting over



Bounce Control

Prevents damage to trailer and loading dock by releasing the trailer brakes in a controlled way



Emergency Brake Alert

Start flashing brake lights automatically during emergency braking to alert approaching vehicles



TailGUARD™

Rear blind spot detection system with automatic braking available for a wide range of applications



Router & Repeater

Reinforces the electronic braking signal (EBS) for extra-long trailers and trailer combinations



Fuel & CO₂ Reduction

When driving is your business, fuel economy is of critical importance. And if that goal is achieved with minimum human intervention, the driver's time can be spent more productively elsewhere. Add to that, the safety and environmental benefits of a vehicle running at optimum levels, and it's clear that these features are more than 'nice-to-haves'. In today's climate, they are essential.



Fuel Saving Suspension

Automatically controls chassis height while driving to improve stability and fuel economy



OptiFlow™ Tail

Rear aerodynamic fairing for trailers to reduce fuel consumption and CO₂ emissions



OptiTire™

Tire pressure monitoring, including strap-mounted sensors covering all rim sizes and applications



OptiFlow™ AutoTail

Automatically deploying rear fairing



Lift Axle Control

Lifts the lift axle without driver intervention when the trailer is unladen, ensuring optimum operating efficiency



OptiFlow™ SideWings

Proven aerodynamic side skirt technology for trailers reduces fuel consumption and carbon footprint at highway speeds



Driver Comfort & Effectiveness

Retaining skilled drivers is the key to running an efficient operation, which is why it's also common sense to make sure that trailers contribute to their effectiveness. So think of the Intelligent Trailer Program as the driver's toolbox. Now all you have to do is choose the tools.



Trailer Remote Control

A device inside the truck cab that offers easy control of most Intelligent Trailer functions.



Finisher Brake

Controls the trailer brakes to synchronize it to an asphalt finisher vehicle during unloading



NEW SmartBoard

A simple control pad giving the driver instant access to key trailer information and control of the Trailer EBS and air suspension functions



Traction Help

Lifts the trailer's lift axle to increase the traction on the truck's drive axle on slippery surfaces and slopes



Return-to-Ride

Automatically protects the trailer by restoring the driving level at a programmable speed after loading/unloading



Trailer Length

Measures and displays the actual length of telescopic trailers



Steering Axle Lock

Automatically locks the self-steering axle during reversing to help drive straight and to maintain trailer stability at high speeds



Load Optimization

The effect of cargo on the trailer and, ultimately, the truck has implications for safety, driver comfort, fuel efficiency and maintenance. Choose wisely from the Intelligent Trailer Program, and you will not just prevent overload but also optimize cargo distribution and vehicle stability throughout the journey for the best possible performance.



Overload Indicator

Increases operating efficiency and safety by measuring the load on axles and providing a warning in case of overload



Air Bellows Protector

Maintains residual pressure helping avoid tire bounce and wear while increasing component life



OptiLoad™

Automated load control to avoid overload on the fifth wheel



Forklift Control

Enhances trailer stability while driving



OptiLevel™ 2-Point

A level control system that automatically adjusts the trailer platform to stay parallel to the ground

Recommended Functions by Vehicle Type



Box Trailer

- Anti-Lock Braking Function (ABS)
- Rollover Stability Support
- OptiLevel™
- Immobilizer
- OptiLoad™
- OptiTurn™
- SmartBoard
- TailGUARD™
- OptiTire™
- Telematics
- OptiFlow™ Tail
- OptiLock™



Curtain Side Trailer

- Anti-Lock Braking Function (ABS)
- Rollover Stability Support
- OptiLevel™
- OptiLoad™
- OptiTurn™
- SmartBoard
- TailGUARD™
- OptiTire™
- Telematics
- OptiFlow™ Tail
- OptiLink™



Full Trailer

- Anti-Lock Braking Function (ABS)
- Rollover Stability Support
- OptiLevel™
- OptiLevel™ 2-Point Control
- SmartBoard
- OptiTire™
- TailGUARD™
- OptiFlow™ Tail



Tanker

- Anti-Lock Braking Function (ABS)
- Rollover Stability Support
- OptiLevel™
- Overload Indicator
- SmartBoard
- OptiTire™
- TailGUARD™
- SafeStart



Tipper

- Anti-Lock Braking Function (ABS)
- Rollover Stability Support
- OptiLevel™
- Finisher Brake
- SafeStart
- Overload Indicator
- Tilt Alert
- SmartBoard
- OptiTire™



Container Chassis Trailer

- Anti-Lock Braking Function (ABS)
- Rollover Stability Support
- OptiLevel™
- Return-to-Ride
- SmartBoard
- OptiTire™
- TailGUARD™
- OptiLoad™
- OptiTurn™

Intelligent Trailer Program

It's what's inside that counts.

Advanced Safety

- TiltAlert
- Anti-Lock Braking Function
- Emergency Brake Alert
- Router & Repeater
- Rollover Stability Support
- Bounce Control
- SafeStart
- TailGUARD™
- Electronic Park Brake

Operational Efficiency

- TX-TRAILERGUARD™
- TX-TRAILERPULSE™
- Advanced Multivoltage
- Memory Level
- Notebook Memory
- Immobilizer
- Trailer Extension Control
- Operating Data Recorder
- Return-to-Load Level
- Brake Pad Wear Indicator
- OptiLevel™
- Service Mind
- Battery Control
- OptiTurn™
- OptiLink™
- OptiLock™

Load Optimization

- OptiLoad™
- Forklift Control
- OptiLevel™ 2-Point
- Overload Indicator
- Air Bellows Protector

Fuel & CO₂ Reduction

- OptiFlow™ SideWings
- OptiFlow™ Tail
- OptiFlow™ AutoTail
- OptiTire™
- Lift Axle Control
- Fuel Saving Suspension

Driver Comfort & Effectiveness

- Return-to-Ride
- Trailer Remote Control
- Traction Help
- Trailer Length
- Finisher Brake
- New SmartBoard
- Steering Axle Lock

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For further details contact your local representative

About Us

ZF, which acquired WABCO Holdings Inc. on May 29, 2020, is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility.

ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers and newly emerging transport and mobility service providers.

ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate and enhancing safe mobility.

In fiscal year 2020 ZF reported sales of €32.6 billion. The company employs more than 150,000 associates at approximately 270 locations in 42 countries.