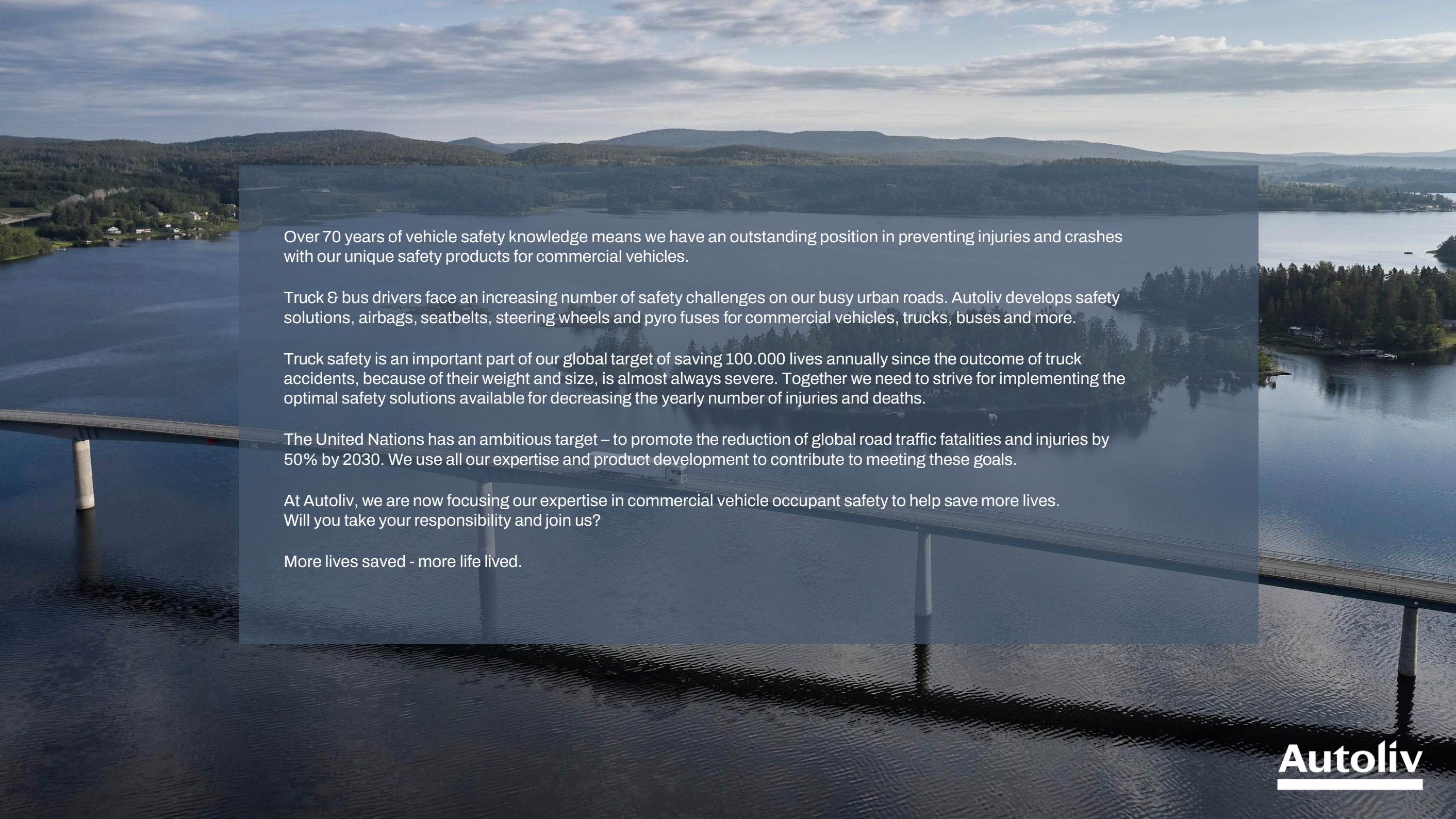


Commercial Vehicle Safety





Over 70 years of vehicle safety knowledge means we have an outstanding position in preventing injuries and crashes with our unique safety products for commercial vehicles.

Truck & bus drivers face an increasing number of safety challenges on our busy urban roads. Autoliv develops safety solutions, airbags, seatbelts, steering wheels and pyro fuses for commercial vehicles, trucks, buses and more.

Truck safety is an important part of our global target of saving 100.000 lives annually since the outcome of truck accidents, because of their weight and size, is almost always severe. Together we need to strive for implementing the optimal safety solutions available for decreasing the yearly number of injuries and deaths.

The United Nations has an ambitious target – to promote the reduction of global road traffic fatalities and injuries by 50% by 2030. We use all our expertise and product development to contribute to meeting these goals.

At Autoliv, we are now focusing our expertise in commercial vehicle occupant safety to help save more lives. Will you take your responsibility and join us?

More lives saved - more life lived.

Optimal Commercial Vehicle Safety

- an overview

We offer a wide range of safety products for commercial vehicles based on our extensive research into real-life accidents. The way we continuously innovate solutions is a key differentiator that grants us with the trust to be primary supplier to the worlds biggest commercial vehicle manufacturers.



SEATBELTS
Key driver protection

SIDE AIRBAG
Protects during side collisions

KNEE AIRBAG
Protects legs from serious injuries

INFLATABLE CURTAIN
Reduces head injuries

FRONTAL AIRBAG
Saves lives and reduces injuries

STEERING WHEEL
With the life of others in your hands

Other available products:

PYRO SAFETY SWITCHES
Breaks circuit and prevents fire

Optimal Commercial Vehicle Safety

- our product portfolio in detail

This is the current range of safety products for commercial vehicles but we constantly develop new and improved solutions adapted for market needs. We often work directly with the research and development departments at vehicle manufacturers to create optimized solutions together.



AIRBAGS

Airbag function:

- Driver and passenger
- Knee
- Side and curtain
- Far-Side
- Pedestrian protection

Inflators & initiators:

- Pyrotechnic
- Stored gas
- Hybrid
- Initiators & micro gas generators

One-piece-woven cushions



SEATBELTS

For optimal driver protection

- Buckles & Webbing
- Height adjusters
- Pillar loops & Tongues
- Retractors & Pre-tensioners

- Advanced seatbelts
- Pre-pretensioner



STEERING WHEELS

- Leather wrap and polyurethane wheels
- Magnesium & aluminum die cast structures

- Heated rim, horn and touch switches
- Gesture controls
- Steering wheel ECUs (HOD, heat and alert)

Human Machine Interface (HMI) platform:

- Enabling ADAS features
- Optical sensors
- Hands on/ off detection (HOD)
- Driver alert (optical and haptic)



PYRO SAFETY SWITCHES

Prevents electrical fires and vehicle systems short circuits.

We offer low voltage, high voltage & combination of the two.

In addition, we have both normally open and normally closed units.

Injuries and crashes need to decrease

At Autoliv, our goal is to save lives. We currently estimate 35,000 lives saved but want to take it to 100,000 lives saved by 2030. Increased seatbelt usage from commercial vehicle drivers and vehicles equipped with both airbags and rollover protection will help us realize our goal.

Our internal research at Autoliv shows that heavy goods vehicles are overrepresented in crashes with serious injuries and fatalities. Those crashes typically occur under good weather conditions (during daylight, sunny weather on dry roads).

The crashes tend to occur in rural areas, higher severity crashes have a higher share of rural locations. Crash scenarios are most commonly in longitudinal traffic, followed by crossing and turning scenarios. Heavy goods vehicle occupants are most often injured in crashes with other heavy goods vehicles, followed by single vehicle crashes and collisions with passenger cars and objects.

Severe injuries are mainly located at the head, neck, thorax and spine, most often caused by ground impact or parts of the vehicle interior.

