



Every load is an accident
waiting to happen



Complete docking safety solutions
for industrial and commercial buildings

ASSA ABLOY Entrance Systems



ASSA ABLOY
Entrance Systems

Experience a safer
and more open world

Even one injury is one too many

Loading bays are typically the busiest areas at distribution buildings, warehouses and production facilities – and the most dangerous.

With the constant flow of large vehicles, equipment and people, as well as raised work areas, heavy loads, high noise levels and blind spots, the potential for harm to people and damage to property, or delays to delivery or production is high.

In fact, it is estimated that 1 in 4 of all industrial accidents occur at loading bays.¹



Approximately
25%
of all industrial
accidents
occur at the
loading bay¹



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Every risk has
unlimited potential

When unmanaged risks are coupled with potential dangers like a fast working tempo, limited visibility, noise levels that require workers to wear hearing protection, and drivers who don't speak the local language, the likelihood for human error is high.



For every
loading dock
accident,
there are about
600
close calls¹



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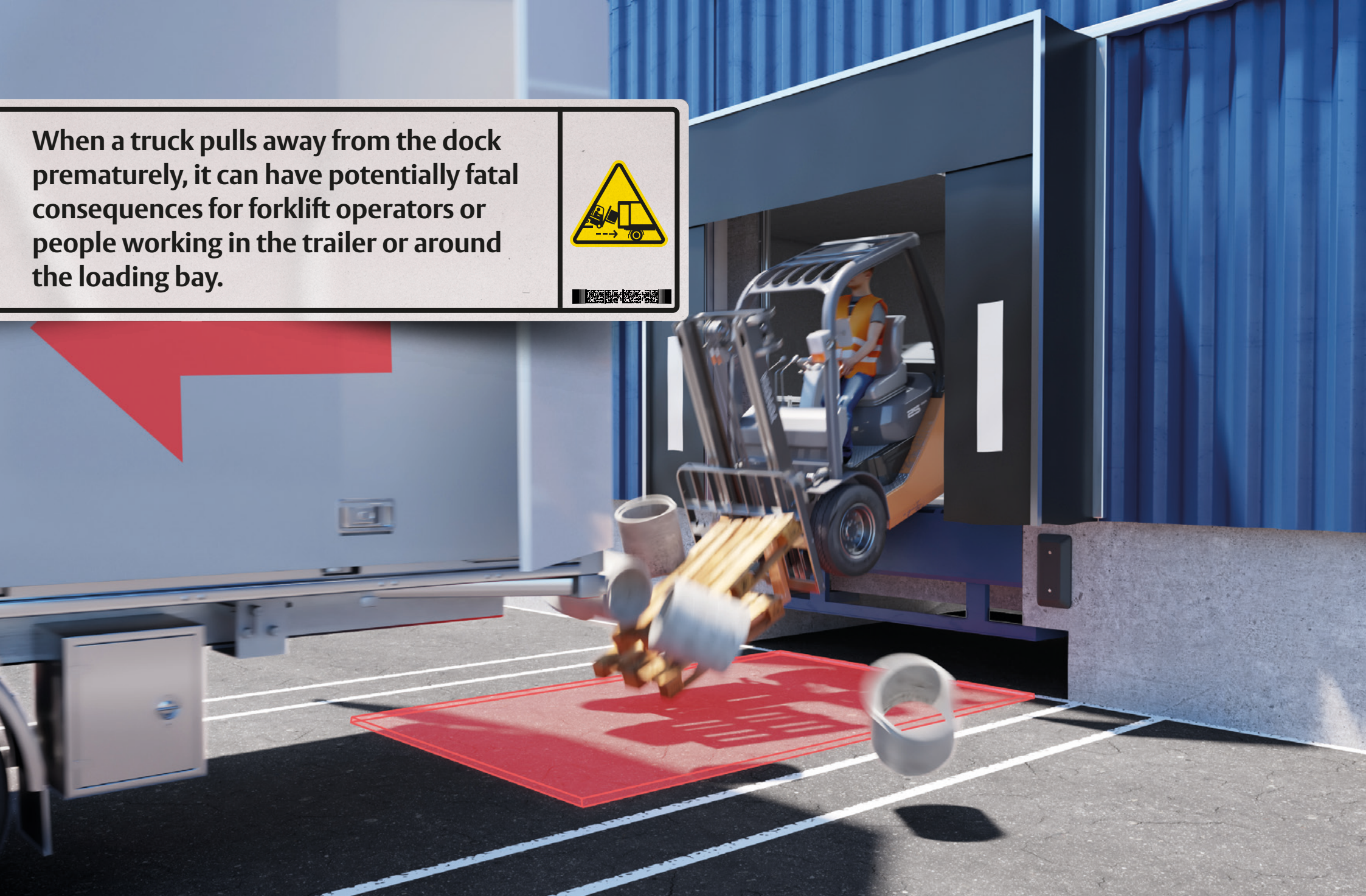
Falls from the edge of the dock are frequent due to slippery work surfaces, open doors and distractions.



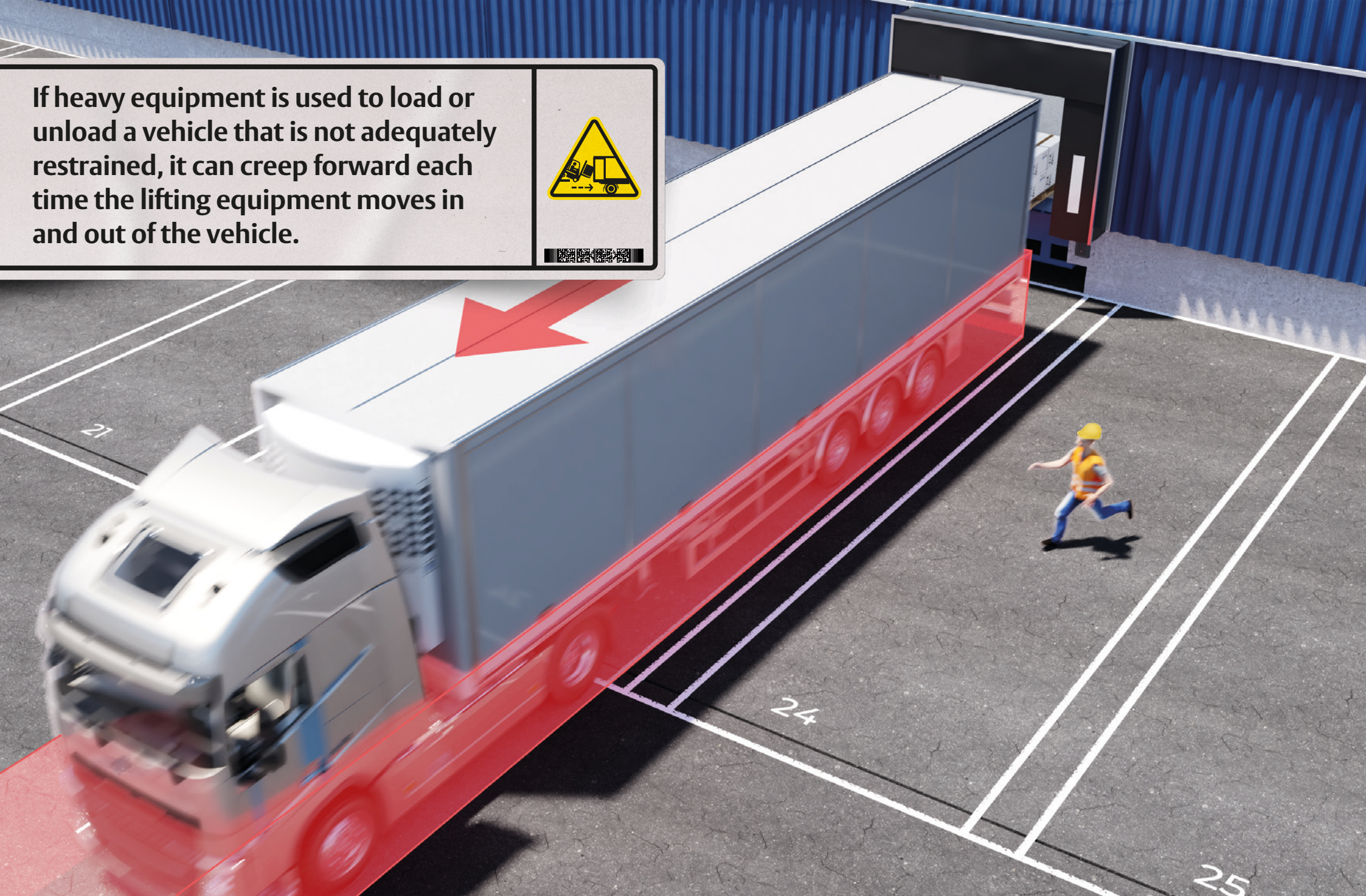
A gap between the docked vehicle and loading bay can go unnoticed and is often caused by a load shifting and the vehicle suddenly moving forward.

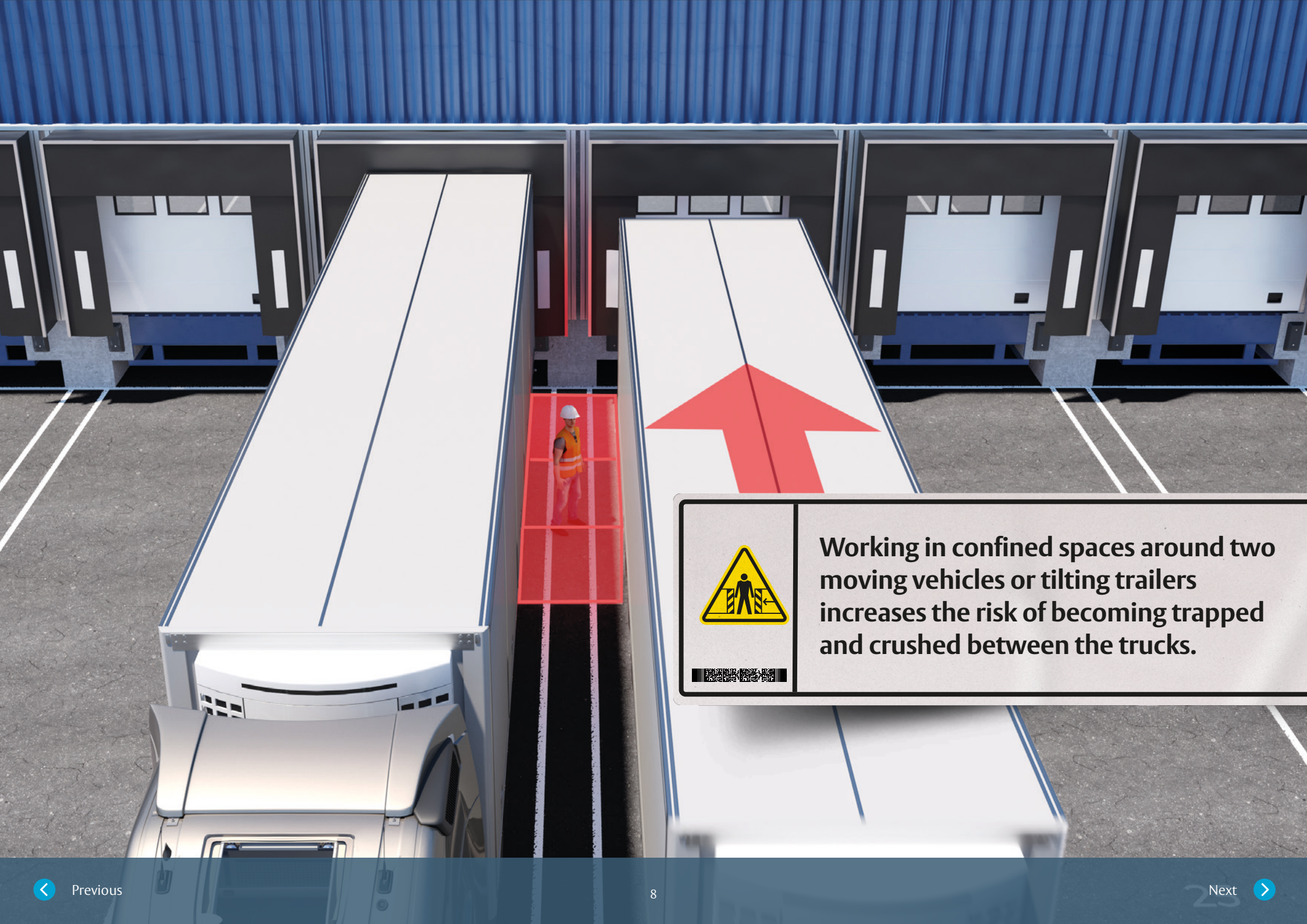


When a truck pulls away from the dock prematurely, it can have potentially fatal consequences for forklift operators or people working in the trailer or around the loading bay.



If heavy equipment is used to load or unload a vehicle that is not adequately restrained, it can creep forward each time the lifting equipment moves in and out of the vehicle.





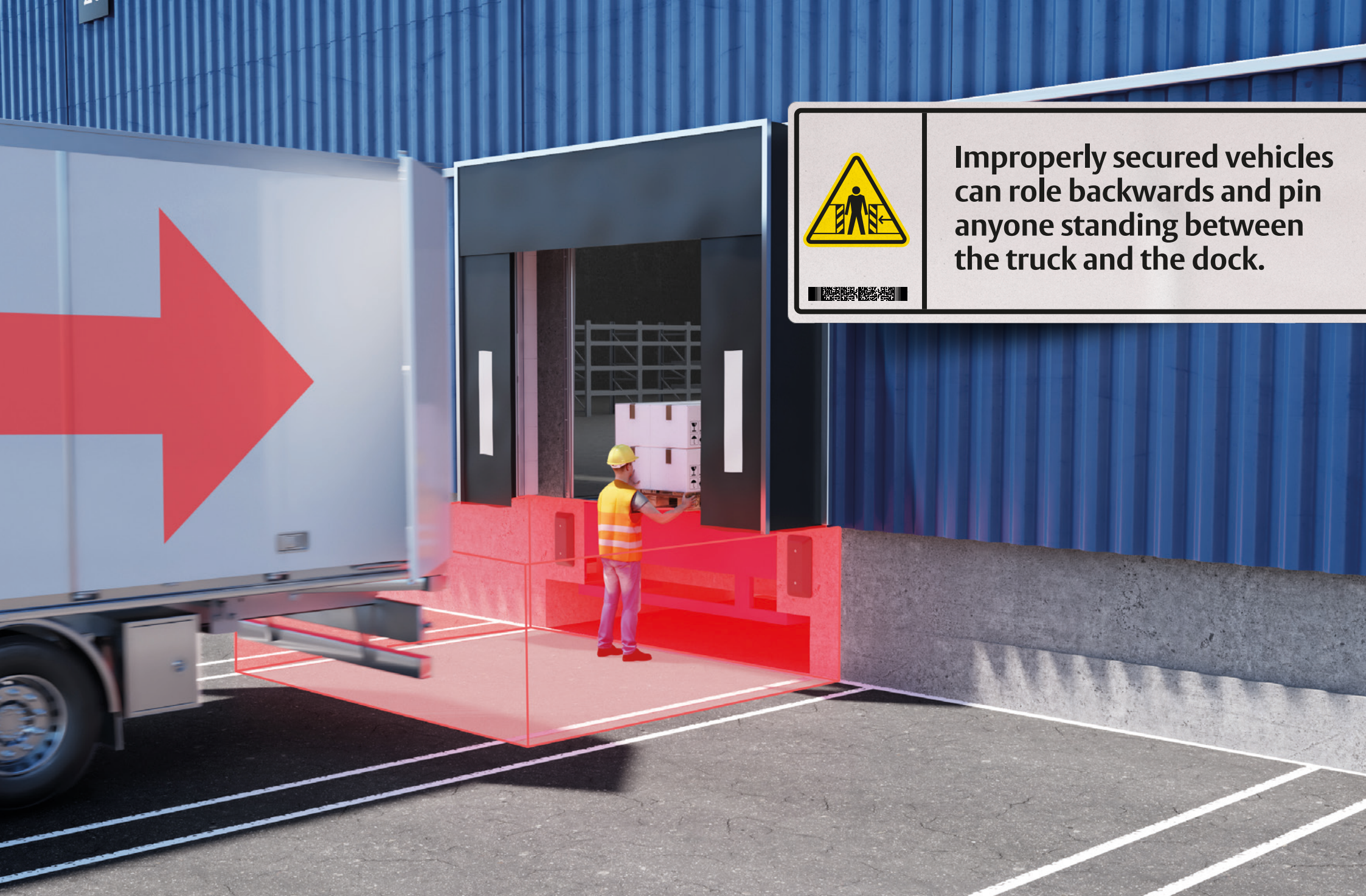
Working in confined spaces around two moving vehicles or tilting trailers increases the risk of becoming trapped and crushed between the trucks.



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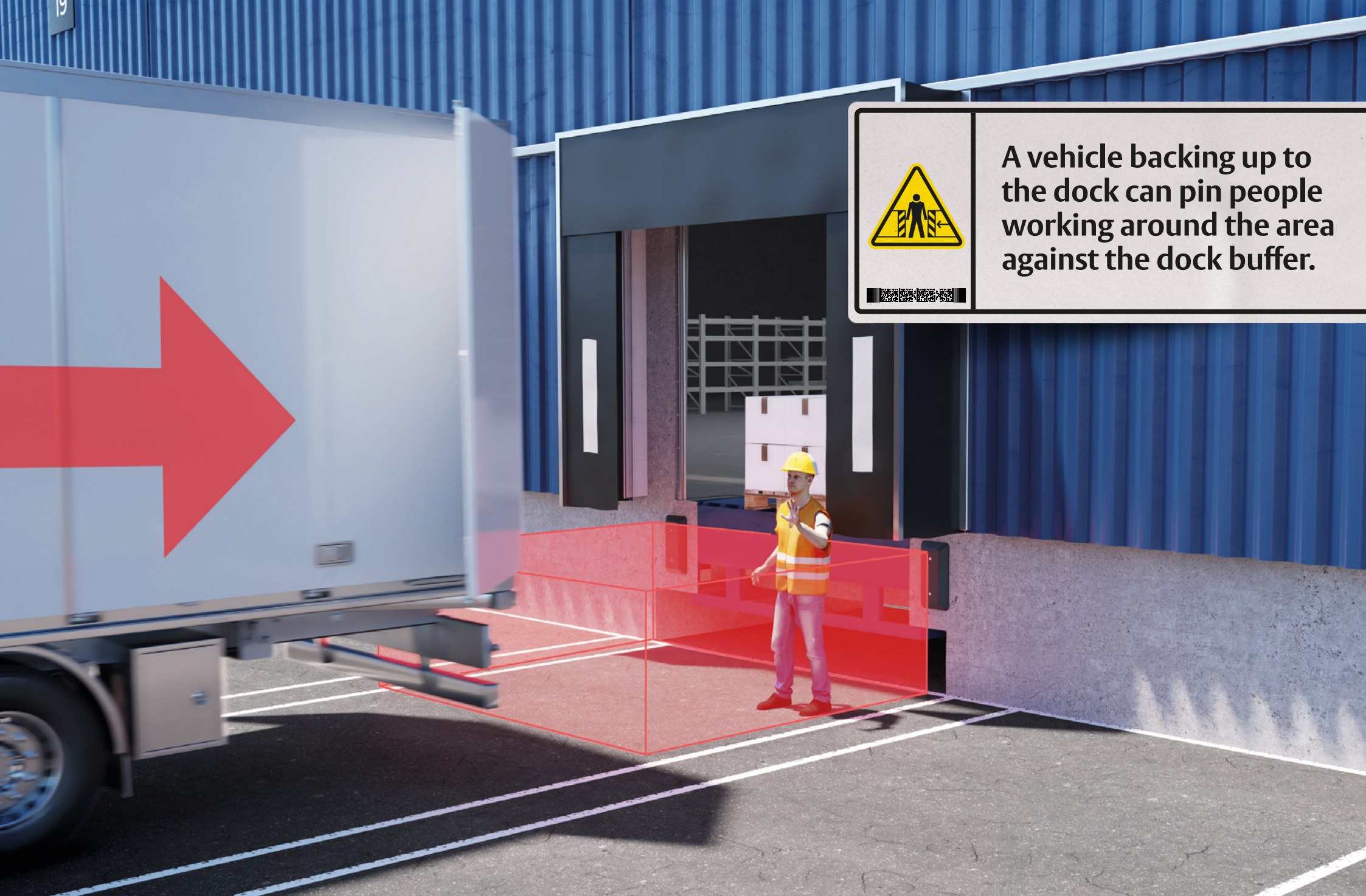
Improperly secured vehicles can roll backwards and pin anyone standing between the truck and the dock.



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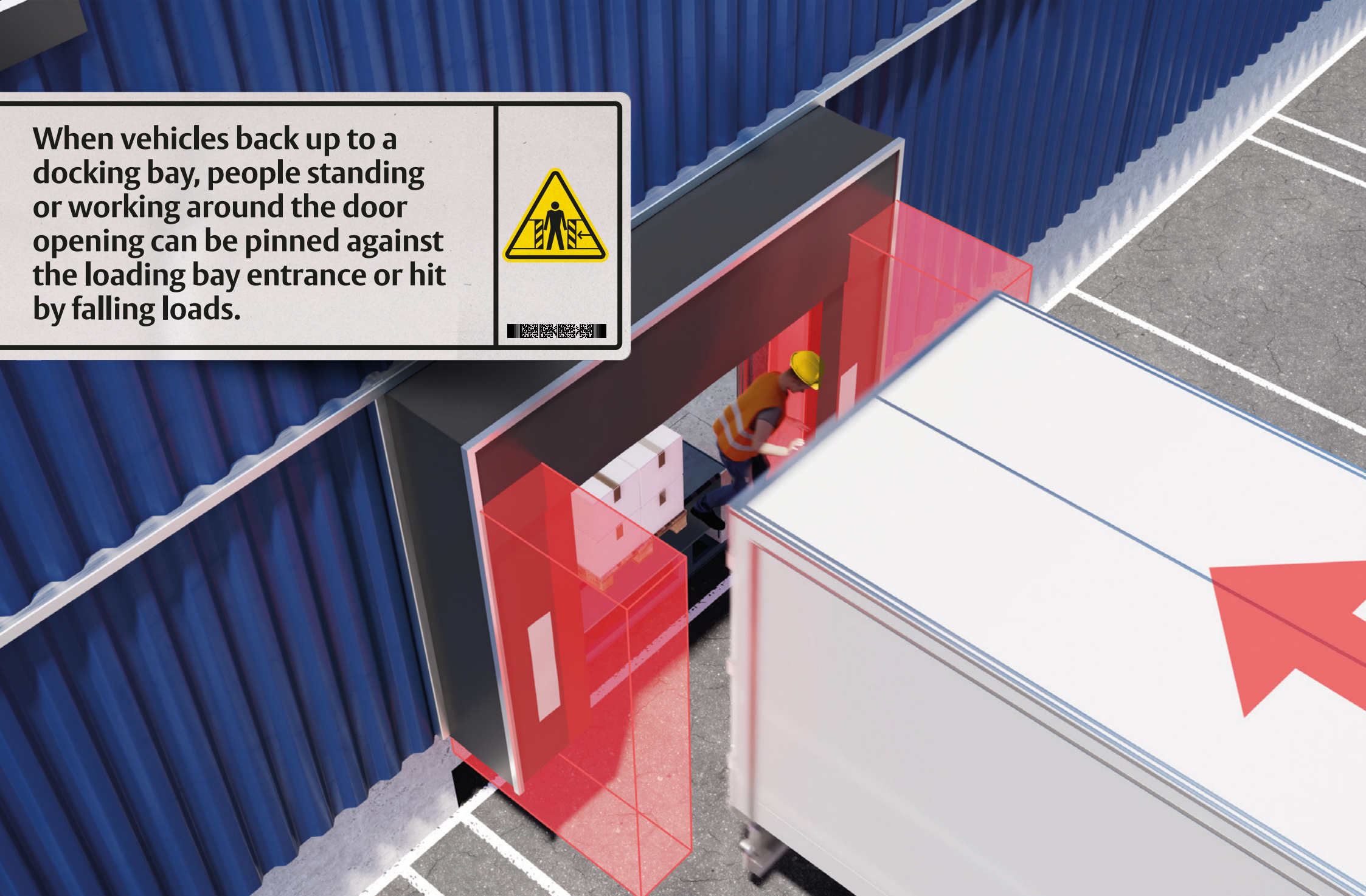




A vehicle backing up to the dock can pin people working around the area against the dock buffer.




















When vehicles back up to a docking bay, people standing or working around the door opening can be pinned against the loading bay entrance or hit by falling loads.



Recommended products to minimize risks

Dock doors, dock levelers, dock lights, dock shelters, and loadhouses help create a safe working environment during loading and unloading.

Click on the risks, and read about the most common accidents at loading bays and docking stations.

	 Fall from dock edge	 Fall between dock and vehicle	 Truck pulls away from dock while loading/unloading still in progress	 Unrestrained vehicle creeps forward	 Trailer tilt pins person between two vehicles	 Improperly secured vehicle crushes person against dock	 Reversing vehicle crushes person against dock leveler	 Reversing vehicle crushes person against dock entrance
Solutions								
Docking control system	■	■	■	■	■	■	■	■
Automatic restraint system	■	■	■	■	■	■	■	■
Manual restraint system	■	■	■	■	■	■	■	■
Dock-IN and traffic lights	■	■			■	■	■	■
Safety zone buffers						■	■	■
Wheel chock	■	■		■				
Wheel guides					■		■	



Note:

As a minimum safety precaution, it is advised to always wear standard protective gear, such as a hard hat, safety footwear, protective gloves and a high-viz vest.

Pre-emptive measures save lives

With dangers everywhere, the need for contractors, facility owners and users to provide a safe working environment is crucial.

To make loading bays a safer place to work, mandatory awareness training and safety procedures, the right equipment and regular maintenance is key.



70%

of all reported
accidents
could have been
avoided with
proper safety
precautions²





Maximize safety with fast, efficient service

With the constant back and forth of heavy vehicles, wear-and-tear on loading bay equipment is unavoidable. To safeguard workers and keep operations running smoothly, regular, scheduled service and maintenance checks are vital.

A rapid response to any issues that may arise is also important. A fast resolution will help minimize eventual operational bottlenecks and downtime, and deter workers from implementing temporary fixes, and possibly dangerous short-term solutions.

To maximize safety and get the most out of your equipment, choose one of our three service packages for access to safety, compliance and quality control checks, regular scheduled maintenance and a comprehensive inventory of spare parts.

We offer a range of flexible solutions to suit your needs – and our service teams are just a call away.

- 1–4 scheduled maintenance visits per year for extra peace-of-mind
- 24/7 priority service hotline and fast response ensure any potential risk is minimized
- Documentation reports provided on site to verify performance and consult for future reference



[Click on packages to see coverage](#)



Identify the risks at your loading bay

Wherever the risks are at your loading bay, ASSA ABLOY has a solution to keep workers safe, and minimize the risk of accidents or injury at every risk hotspot.

[Click on the warning signs above to find solutions](#)

Automatic restraint systems

Prevent vehicle creep and drive off

Essential for maximum loading bay safety, the ASSA ABLOY DE6190AR Automatic Restraint traps the wheel of the vehicle, preventing unplanned movement during the loading and unloading process.

Complete control ensures safety you can rely on

The fully integrated operating system ensures the dock doors cannot open until the restraint is locked in place.

No damage to vehicles

A precision-timed blocking arm exerts constant force to prevent drivers accelerating away from the docking bay, even if they try.

Easy to install

Minimum building works are required for installation.

Contact us today at info.entrance@assaabloy.com

Learn more about our
restraint systems here



Dock levellers

Bridge the gap between loading bay and vehicle

Move goods safely and smoothly from the loading area to a docked vehicle with an ASSA ABLOY dock leveller. Choose from a range of automatic levellers or manual dock plates to level the difference in height and distance between your dock and the floor of the docked vehicle.

Designed with safety in mind, ASSA ABLOY dock levellers can be tailored to suit your loading bay specifications, vehicle types and sizes, and your manual handling equipment.

Flexible

Manufactured to meet the demands of loading operations, dock levellers move vertically and horizontally when the forklift drives in and out.

Stable

The lip safely bridges the gap between the dock and vehicle bed.

Contact us today at info.entrance@assaabloy.com

Learn more about our dock levellers here



Dock shelters

Protect your loading bay environment

Safeguard workers and improve working conditions with an ASSA ABLOY dock shelter.

With a mechanical fabric curtain, cushion shelter or inflatable dock shelter creating a seal between the vehicle and your loading bay, falls are prevented, and sudden temperature fluctuations, draughts and energy loss are minimized.

Robust and available in a range of sizes, dock shelters make the working environment safer, and provide maximum insulation.

Contact us today at info.entrance@assaabloy.com

Learn more about our dock shelters here



Loadhouses

Enclose your loading bay area

Maximize safety with an external loadhouse. Containing the dock leveler, the dock shelter and door, the loadhouse sits on the outside of your building, creating a safe, self-contained, sealed working environment.

With an ASSA ABLOY loadhouse, workers have a larger area to operate in, and a more comfortable, thermally separated indoor environment.

Contact us today at info.entrance@assaabloy.com

Learn more about our
loadhouses here



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Dock doors

Effortlessly close off or open up

Robust and versatile, ASSA ABLOY industrial overhead sectional doors are designed and engineered to protect any work environment.

Manufactured to meet all European safety and operational requirements, ASSA ABLOY has dock doors for all kinds of businesses.

Contact us today at info.entrance@assaabloy.com

Learn more about our
dock doors here



Loading bay accessories

Light up, guide and control

ASSA ABLOY has an entire range of connected accessories and automated systems to illuminate, detect and control risks at your loading bay.

Docking control systems

For fail-safe docking, the unique ASSA ABLOY 950 range of docking control systems provides complete control of a variety of dock levelers, dock shelters and doors, which cannot open until the truck is in place.

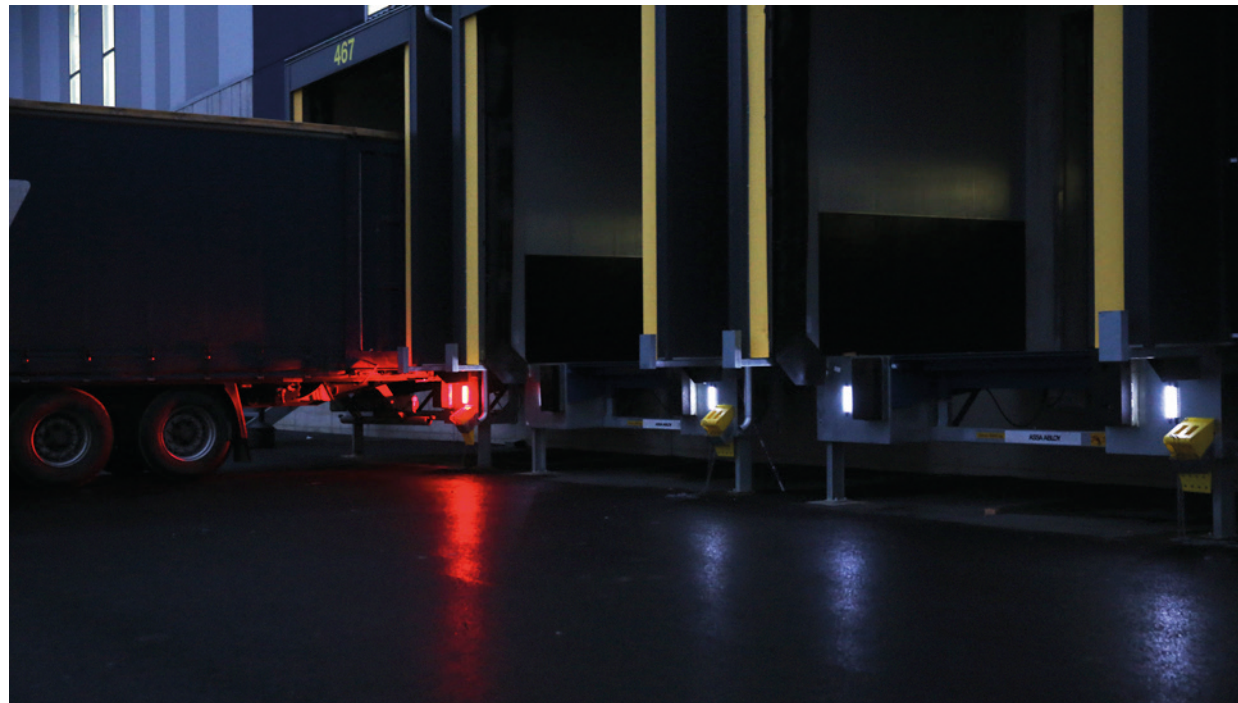
Dock-IN and traffic lights

To make approaching the dock safe and easy, particularly for drivers who don't speak the local language, the ASSA ABLOY DE6090DI Dock-IN and traffic light system is a combined parking guide and light system that provides a visual target for drivers to align the truck with the center of the docking bay.

Dock light

For excellent, virtually indestructible lighting in the docking area, the ASSA ABLOY DE6090DL dock light is designed for the most demanding environments. The heavy-duty, long-life LED lighting solution is encased in a shatterproof polycarbonate lens cover that can withstand dust, water and hard hits from moving forklifts.

Learn more about our loading bay accessories here



Loading bay accessories

Wheel guides

A guide to help drivers back vehicles into the right position in the center of the loading bay, wheel guides make it easier to park, and help reduce the risk of collision with buildings, levelers or cushion shelters.

Wheel chock

Designed to detect the presence and position of a vehicle, and block it during loading and unloading, the sensor-driven ASSA ABLOY DE6090WC wheel chock connects to the dock leveler control panel. Only when the sensor detects the wheel of a truck is it possible to open the loading bay door. If no vehicle is detected, the docking station is blocked for safety reasons.

Traffic light system

For added safety no matter what language workers and drivers speak, the ASSA ABLOY DE6090TLS traffic light system connects to a sensor that detects the presence of a vehicle. When no vehicle is present, the traffic light inside the building is red, and the door cannot open. The traffic light system can be combined with a sensor on the dock leveler, wheel chock, or the ASSA ABLOY Eye.

[Learn more about our loading bay accessories here](#)



Loading bay accessories

Safety zone buffers

The RB buffer with steel construction forms a security gap or safety zone between a reversing vehicle and the loading bay where workers can escape to avoid being hit.

Electronic eye

Make docking safer with the sensor-based dock-in system, the ASSA ABLOY Eye. Designed to measure the distance between a vehicle and the building, it makes it easier for the driver to complete the dock-in procedure.

Contact us today at info.entrance@assaabloy.com

Learn more about our
loading bay accessories here



The ASSA ABLOY Group is the global leader in access solutions.
Every day, we help billions of people experience a more open world.

ASSA ABLOY
Entrance Systems

ASSA ABLOY Entrance Systems provides solutions for efficient and safe flow of goods and people. Our offering includes a wide range of automated pedestrian, industrial and residential doors, loading dock equipment and services.



1. <https://www.ishn.com/articles/107356-slow-down-watch-out-know-the-facts-about-loading-dock-hazards>
2. https://tsapps.nist.gov/publication/get_pdf.cfm?pub_id=904217

Visit assaabloyentrance.com or call your nearest ASSA ABLOY sales representative to find the safest solutions for your docking bay



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