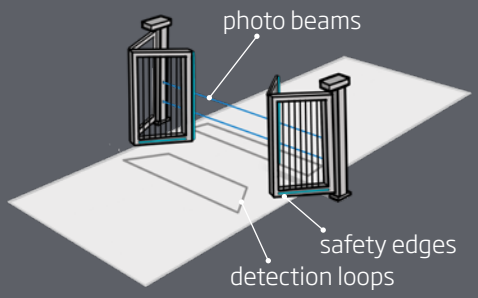
Speedgate with lasers, optimized for truck access

Why a Speedgate?

open/close at ~1m/s. up to 10X faster than other gate types

Short opening & closing time prevents from tail gating & walking along

Speedgates are fully secured to work autonomously in a safe way.



Safe access for trucks

Locations where goods are stored are by definition locations where value is located and which are often intensively used for the supply and removal of goods. This means a lot of attention for security and a lot of transport movements.

These locations require access that is fast enough to handle a large flow of vehicles and fast enough to prevent unauthorized persons from entering a site after trucks.

However, an entrance must also be safe for passing vehicles and other users.

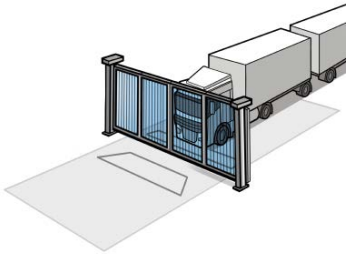
A modern Speedgate installation gives substance to this. It is robust and durable, very fast and very safe. In a basic configuration, equipped with photocells and safety strips and possibly loops, it already fully complies with NEN 13241. For use with trucks, however, this may fall short in specific cases.

HTC has therefore further developed the vehicle entrance for trucks and supplemented it with vertical and horizontal lasers to be able to offer the desired speed, security and safety in every situation.

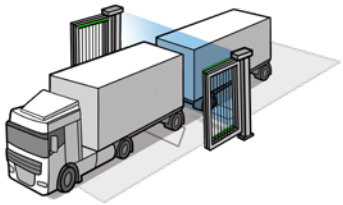
Xentry®
SPEEDGATES

Solution with 1 vertical laser on the columns

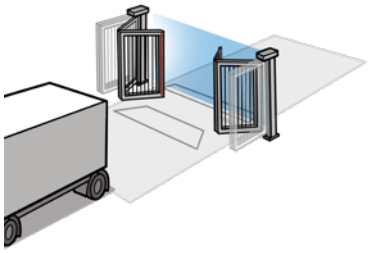
Drawbars or trailers are less well detected by loops or photocells. To prevent unwanted closures during passage, the vertical laser on the columns is a perfect addition to increase operational reliability.



Truck arrives. An open pulse is given by the access control system. The Speedgate opens when loops, photocells and laser indicate that it is safe to do so.



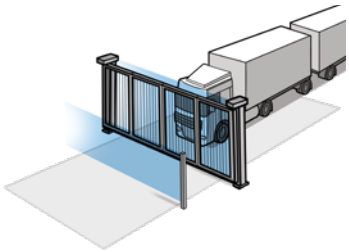
Truck passes the Speedgate. The laser supplements the photocells here, in particular ensures that the drawbar is detected at all times.



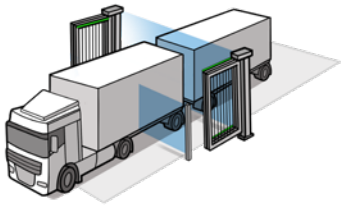
Immediately after the Truck has passed the trapezoidal loop and all safety devices have been released, the Speedgate closes quickly. Ready for the next cycle.

Solution with 2 vertical lasers

In situations where loops cannot be used, a system with a vertical laser on the columns and a vertical laser behind the speed gate can offer a safe solution.



Truck arrives. An open pulse is given by means of the access control system. The Speedgate opens when photocells and laser indicate that it is safe to do so.



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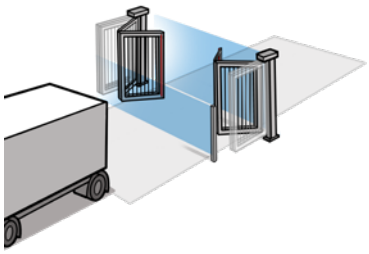
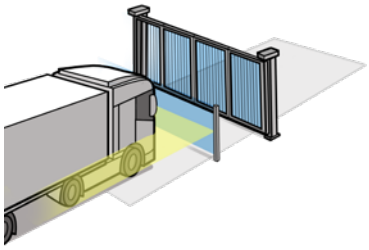


Immediately after the Truck has passed the second laser and all safeties have been released, the Speedgate closes quickly. Ready for the next cycle.

horizontal laser, alternative to sign in loop

A horizontal laser can be added to the system. This is of value in situations where vehicles are allowed to exit “freely”, but where no loop can be made in the road surface. It is also possible in this way to detect the presence of a vehicle by avoiding opening by pedestrians or cyclists.



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MAKING AN ENTRANCE

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