

Solvo.AGMS is a comprehensive automated gate management solution aimed at facilitating gate entry/exit, security check, vehicle and cargo identification, truck driver management and other processes thus allowing a significant reduction in truck turn-around time and reshuffles/rehandles in the yard, cargo theft prevention.

System objectives

- Speed up truck-turnaround time;
- Simplify gate operations;
- Secure gate entry and exit for trucks;
- Eliminate truck-driver queues;
- Help TOS reduce container rehandles reshuffles;
- Eliminate errors made by operators.



Key elements

Truck visit management

Solvo.AGMS registers truck visits based on the preliminary truck-visit requests submitted by cargo forwarders e.g. to the vehicle booking system. AGMS communicates with external systems such as TOS, VBS or PCS on truck arrival and departure, validates truck-visits based on the bookings from VBS, etc.

Gate clerk workstation

Allows registering and monitoring vehicles on gate exit/entry. The gate security guard makes sure the truck driver's ID and plate number are coincide with the initial info in the system. Available in three modes: gate-keeper's self-service kiosk with a screen and RFID reader for e-permits; handheld radio data terminal and PC.

OCR integration

The option allows automated identification of vehicles arriving and leaving the terminal as well as automated creation of container lists associated with a given truck visit. Requires the gates to be equipped with OCR cameras and OCR hardware/software integrated with Solvo.AGMS or TOS.

Truck-driver entry permit management

The system is responsible for issuing and validating gate entry permits to truck drivers as well as for managing the lists of admitted truck drivers and vehicles, black-listed drivers and vehicles, etc.

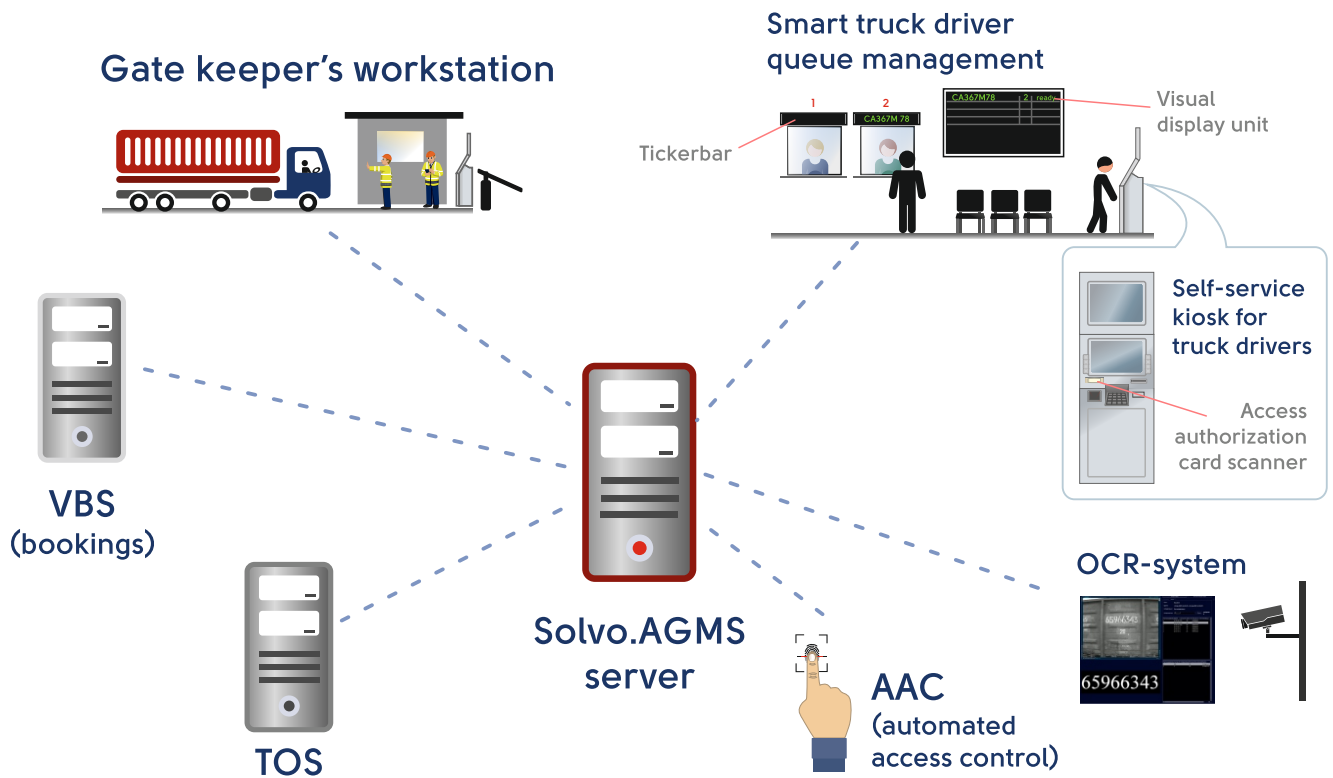
Smart electronic queue of truck drivers

Thanks to the smart E-queue, arriving truck drivers can register their visits using self-service kiosks. E-queue is integrated with the truck driver's entry permit management, which enables fast truck driver's identification by scanning his e-permit at the kiosk and confirming his registration by pressing a button on the kiosk's touchscreen. AGMS automatically determines the approximate waiting time for each arriving truck driver and may show the info e.g. on a large LCD screen placed in the pre-gate waiting area. When integrated with Solvo.TOS, AGMS will sort the queue based on the proximity and availability of a requested load for pick-up in the yard to optimize the number of rehandles.

ACS integration

Allows to automatically receive data about events at the cargo terminal that are recorded in the access control system (for example, truck exit) and launch processing operations during certain events (e.g., creating a task to inspect and register the arriving vehicle).

AGMS integration overview



Applicability

- Ports;
- Container terminals;
- Multi-purpose facilities;
- Distribution centers;
- And other facilities with restricted gate areas.



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