

Applications

Industry / Customer Group	Entrance Control; Toll Gates; Vehicle Detection; AGVs
Application	Docking System
Country	Norway
Product	SMP 8000 / SPP
Variations	SPBS

Application



Details

Modernisation of existing motorised shutter doors on docking systems:

The objectives of this project were to save energy; maintain the temperature inside the warehouse; and inform the truck drivers when to drive in and out of the docking station.

When the roller shutter is closed, the dock is empty and ready for the next driver to check in: the green signal light is on. The truck can then move towards the dock. Our SPP 2603 detects when the truck is in position and the red light goes on. This initiates the ballooning (inflatable sealing around the truck) which creates a seal between the inside and outside temperatures. When this is done the roller shutter is opened and the truck is ready for loading or unloading.

The SMP 8500 or SMP 8600 detects the position of the roller shutter. Whilst the door is up the loading/unloading process is continuing and the ballooning system stays active. Once the loading/unloading is completed, the operators will close the roller shutter. When the SMP detects the closed position, a signal is given to stop the ballooning system and the green signal light goes on allowing the truck to leave the dock.

The system also has a safety aspect; preventing loading the truck when there is no truck in place. The signalisation is duplicated on the inside of the door so the loading personnel know what to do and can follow the sequence correctly.

Reference: TELCO 1204101049

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