The Convoy Parking module of Sitraffic Conduct+
Same space, more trucks

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Until recently, truck parking areas worked according to the implicit rule that every truck would enter and exit at its own schedule, independently of all the others. This required a lot of extra space because, between the different parking bays, lanes had to be kept open at all times for entering and exiting vehicles. Now the Convoy Parking module of the Siemens Sitraffic® Conduct+ motorway management center drastically reduces these space requirements.

**Same departure time, same parking lane**

Sitraffic Conduct+ assigns the incoming trucks to different parking lanes depending on their planned departure time. Since all trucks in a given parking lane will leave at the same time, they can be spaced very closely and no maneuvering lanes have to be kept open. This enables much more efficient use of the available surface area. The system records the exact length of the parked vehicles, calculates the occupancy rates, and ensures smooth entering and exiting processes.

**GIS map for a clear overview of the current parking situation**

The system knows at all times exactly what is happening on the managed parking areas. If several parking areas are equipped with the Convoy Parking module of Sitraffic Conduct+, all of them are displayed on the GIS map and the users can access detailed information on each parking area with a click of the mouse.

**Truck drivers benefit from reliable resting time scheduling**

Since truck drivers can find out about the availability of free parking spaces at different rest areas long before the end of their allowed driving time, they can now accurately plan the required breaks. Using a DATEX II profile developed specially for this application, the Convoy Parking module feeds various information platforms, such as official traffic information agencies and the so-called Mobility Data Marketplace (MDM), with the occupancy data of the managed parking areas. This gives truck drivers convenient access to constantly updated information on the parking situation along their route via a number of channels:

- smartphone apps
- on-board navigation systems
- broadcast messages
- information kiosks at rest areas

**Sitraffic Conduct+: Fully modular for complete flexibility**

The Siemens motorway management center Sitraffic Conduct+ is a key element of the Sitraffic system family. This means that its design is entirely modular. At the same time, the modular concept does not focus on particular technologies, but solely on the required functionalities. The Convoy Parking module can be implemented as a stand-alone system – and easily extended by adding other modules such as the “Truck Information System”.

Same space, many more trucks? Yes, thanks to Convoy Parking!
As the system accurately indicates the availability of free spaces along the route, truck drivers can accurately plan their resting times.

When grouped according to scheduled departure time, many more trucks can park on the same surface area. The current occupancy of the different parking lanes is shown on the display.

At the control center, the operators can view the current occupancy data of the different rest areas at any time.
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