

# Ramp Sensor Technology (RampSens)

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2	12	22	32
3	13	23	33
4	14	24	34 FF J634
5	15 H ZU578	25	35
6	16	26	36
7	17	27	37
8 BE MI129	18	28	38 LOS GT33
9	19 FW B21	29	39
10	20	30 LDS CV87	40

## Description

The RampSens product supports yard management by equipping loading ramps in the loading and unloading zones with special ramp sensor technology. These sensors detect objects in front of the ramp, the approach/departure of trucks, as well as their license plates and loading/unloading status. Based on this data, a dashboard visualizes the current status of each ramp to support operations.

## Customer Challenges

- Optimal use of limited logistics space
- Lack of transparency regarding the usage/utilization of gates/ramps
- Productivity loss due to unplanned ramp usage/maneuvering
- Personnel effort for ramp assignment and control

## Customer Benefit

- Increased productivity through higher efficiency and interface to yard management
- Utilization optimization through lower resource consumption
- Increased transparency through real-time data processing
- Reduced turnaround times by minimizing delays

## Use Case

- Determination and documentation of dwell times for future planning and optimization
- Optimization of resource planning through more transparent processes
- Early detection of multiple occupancies thanks to the dashboard



## USP

- Real-time transparency
- Detection of roller door status (open/closed) to avoid unnecessary energy loss
- Extended usage through integration with Cloud4Log