

DRYPORT RFID



The project shows possibilities and explores gains in the transports between hinterland terminals and seaports through efficient information sharing in the intermodal supply chain by application of RFID (Radio Frequency Identification) and standardized communication.

The passive RFID tags mounted on rail wagons form the basis in the information flow. These tags are low-cost, readable even in high speeds and suited for all weather conditions.



Pilot

Since the start late 2008 the steering group has determined a rail transport pilot in which passive RFID tags and readers are tested. It concerns the traffic between the Port of Göteborg and the inland terminals in Eskilstuna and Örebro, with a possibility to involve Dryport Skaraborg in Falköping. Readers have been deployed at four locations along the main railway network. The pilot involves as rail operator Tågfrakt and the logistics department of the port.

The second part of the pilot is to develop an information system that is connected to the Swedish Transport Administration and Transport Agency databases for individual rail wagon identification. The intention is to also provide access to third parties for their goods planning and control. The challenge is to develop efficient interfaces between the various databases. Starbright Consulting is responsible for overall project management and implementation.

Potential benefits

- Early train damage detection and warning
- Tracking and tracing of wagons
- Third parties use for cargo operations and process planning
- Easy and real-time access to correct train composition information
- Reduced manual administration
- Automatic information system
- Open system interface enables custom based use and applications
- Increased security & Production streamlining

International standardization

The Swedish Transport Administration intends to disseminate the results of the Dryport RFID project in its efforts to achieve a European standardization for automated information sharing through the use of passive RFID tags. The efforts are realised in close cooperation with the standard organization GS1.

More information

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