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TROLLEYPONDER/ECOTAG/RADAR RFID Newsletter #101

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Your latest copy of our regular newsletter keeping you up to date with developments.

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1. Interesting projects using RFID - RFID controls unmanned heavy vehicles

RFID is a sensing system that can be used with computer systems to provide some very useful systems.

For the past ten years, Trolley Scan have been providing adapted readers with special software, that allow unmanned trucks to move heavy loads very safely.

RFID can allow heavy vehicles to sense their current position when moving along a roadway and by knowing the distance between transponders and the time they are read, the speed can also be determined. This can be an independent system that does not need external signals such as GPS, and will also work when moving inside buildings.

Transponders are attached along the track and a reader on the vehicle detects the identity of each transponder as it passes over them. The computer system inside the vehicle has a table of the correct order the transponders will be passed and can detect immediately there is any component failure. The reader software has been specially created to provide status information to the computer controller so that any failure can immediately be detected.

The system uses passive transponders so that there is no maintenance involved in keeping the RFID system operational.

About 20 of these systems are in operation and the project has been running for the past ten years.

2. Product range

Trolley Scan are a manufacturer of UHF RFID systems. Trolley Scan manufacture fixed readers, portable readers and RFID-radar systems (Real Time Locating systems that give accurate position information) as well as a variety of transponders for different applications. Transponders come in the form of passive transponders with operating ranges up to 20 metres and battery assisted

transponders with an operating range up to 40 metres. Trolley Scan also combine some of these components into packages for end users which are supplied with the appropriate software. Typical applications are asset management, notebook tracking, equipment barriers, store control, sheep and cattle tracking, event logging and sports timing systems.

Trolley Scan have been delivering their RFID solutions for the past 15 years and offer full support for all their equipment.

3. Getting your own complete RFID/radar system

You can order RFID systems or RFID-radar systems from Trolleyscan.com

Trolley Scan provide small RFID reader systems which give new users the ability to evaluate UHF RFID and their applications without needing specialised skills.

Trolley Scan provide a variety of easy starter systems for first time users who have an application that needs a solution. Typical packages are :

- ? Standard UHF long range readers with antennas and 100 transponders
- ? RFID-radar system comprising long range reader, antennas and a variety of different transponders.
- ? RFID-asset tracking systems comprising portable reader, antenna and a variety of transponders with software.
- ? RFID-notebook/laptop tracking system comprising reader, antennas, transponders and software

In addition components such as readers and transponders are available

These systems are already operating in 52 countries.

To find out details of the systems and to order see <http://trolleyscan.com/>