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TROLLEYPONDER/ECOTAG/RADAR RFID Newsletter #106

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

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1. Development of RFID work in progress tracking system

In manufacturing plants it is important to track progress of the items being produced so that the information can be integrated into the management plan. In a single product production line this is relatively easy as parts move down a single production channel.

In a machining factory where there might be hundreds of products in production from tens of production machines, such as lathes or moulding machines - this is much more complex as there are so many measuring points.

Trolley Scan have developed a system using a single portable reader that is operated by a single operator that logs the current position of all jobs in the production workplace and feeds this information back into the management system for the plant. With this system, called RFID-WIP, frequent updates of progress are possible with minimal additional infrastructure.

For more info mailto:info@rfidradar.com?subject=News107_Want_info_on_RFID-WIP

2. RFID system for tracking assets for capital registers

As part of financial control, organisations are required periodically to verify the location and existence of items on their capital register. In large organisations these might number thousands of items spread across many buildings.

Trolley Scan have a product called RFIDasset that uses the long range capabilities of RFID systems to gather information about the current location of items and map their current location. This enables a single operator to do a sweep of buildings quickly and document the current location of the items quickly, reporting all missing items at the same time.

Our largest installation to-date covers assets distributed in 27 buildings. We recently have installed

a system for a client with more than forty thousand items to be tracked on their capital register. An additional feature added to the system is the creation of "shipping lists" where the transfer of items from one section to another via a single shipment is tracked and ensures that no item goes missing from the transfer.

For more info mailto:info@rfidradar.com?subject=News107_Want_info_on_RFIDasseet

3. Solar powered Eco-antelope system entered in Innovation award competition

Many farmers of cattle and wild game hire fields for grazing from other land-owners. These fields are often very far from their farm and farmhouse, and are often unattended due to their remote location.

Trolley Scan have created their Eco-antelope product which monitors the animals in the remote field and reports the presence of the animals back to the farmer via a server on the cloud.

The Eco-antelope reader is designed to operate in areas where there are no utilities, such as power or telephone communication. Energy for operation comes from solar power and communication is done via GPRS modems via the cellphone network.

The animals are tagged with a special eartag that contains a passive transponder with a very long operating life, so that the animals do not need to be handled once the transponders are attached.

Trolley Scan have entered this system in the MTN Business IoT Conference & Awards in South Africa.

For more info mailto:info@rfidradar.com?subject=News107_Want_info_on_Ecoantelope

4. 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, wild game and cattle monitoring, event logging and sports timing systems.

Trolley Scan have been delivering their RFID solutions for the past 19 years and offer full support for all their equipment.

5. 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
 - ? Solar powered RFID reader systems for monitoring livestock.
- 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/>