PRESS RELEASE

New RFID Document Tracking System: higher speed, lower costs

Amsterdam (The Netherlands), Gummersbach, (Germany), April 9, 2014 – Managing important documents efficiently is a challenge for every organization. RFID systems can save time and effort and thus increase efficiency, particularly in locating documents. scemtec Transponder Technology and SMARTRAC have jointly developed RFID components that are perfectly designed for automatic document management, control of document stock and comprehensive tracking of documents.

scemtec offers suitable RFID read-write equipment and antennas for document identification, such as inventory management or archiving of documents. The system is utilized to capture all media data and prevent document theft, swapping or any other kind of mishandling.

The system typically consists of a HF Long-Range Reader (SIL-2125) or alternative of a HF Midrange Reader (SIR-2720) both supporting the EPC Class-1 HF, ISO 18000-3 Mode3 and a HF 3D antenna system (SAT-Tunnel-13Mhz). These components have the ability to detect labels independent of their orientation inside the tunnel.

An obvious advantage of the reader is speed: Data transfer is twice as fast opposed to conventional devices. Whereas in the past, the use of transponders has often been limited by interference, they are now readable even when stacked on top of each other. scemtec RFID readers/antennas in collaboration with SMARTRAC RFID tags are capable of reading more than 500 tags simultaneously.

All documents can be identified using SMARTRAC RFID transponders, which carry all required information. RFID transponders for document tracking are based on EPC Class-1 HF standard (ISO 18000-3 Mode 3), which allows swift identification of stacked items. The transponder is designed for document stacks and contains a tag identification number (TID) with unique serial numbers enabling secure and reliable identification of documents.

SMARTRAC has designed block inlays for document identification where close stacking occurs. Block tags and inlays also work well in applications where very fast inventory of multiple tags in the field occurs. Block inlays are using NXP ICode ILT-M IC with 96bit TID (including 48bit serial number), 240bit EPC and 512bit user memory.
The innovative system, supported by RFID technology, will provide a crucial contribution to achieving maximum transparency during the whole process of document handling; reducing time-consuming search processes and minimizing document losses.

About scemtec:

scemtec Transponder Technology GmbH is specialized in development of active and passive RFID systems. Beside the RFID write/reader systems the company realizes compatible RFID antennas und antenna-systems. Particularly for the very special applications SCEMTEC delivers fully developed RFID solutions for the automatic identification for a long time. (www.stt-rfid.com)

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About SMARTRAC:

SMARTRAC is the leading developer, manufacturer and supplier of RFID and NFC transponders, tags and inlays. The company produces both ready-made and customized solutions used in access control, animal identification, automated fare collection, border control, RFID-based car immobilizers, contactless payment cards, electronic product identification, industry, libraries and media management, laundry, logistics, mobile and smart media, public transport, retail, and many more. SMARTRAC has its registered headquarters in Amsterdam, The Netherlands. The company maintains a global research and development, production and sales network. For more information, visit www.smartrac-group.com and follow us on Twitter: www.twitter.com/SMARTRAC_NV.

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