



CONFIDEX
Capturing IDEas



Capturing IDeas

Confidex is the world's leading supplier of high-performing contactless ticketing and RFID tag solutions and services to make supply chains, transactions and authentication of goods and people more efficient and secure. Today, we are innovating and exploring with our customers how our solutions can help people and companies to address their problems and challenges by fusing strong combination of RFID tag design competence, RF engineering and customization to manufacturing experience.

With our global network of over 100 partners we serve customers representing a broad range of industries in Europe, North America and Asia. As the leading supplier we have quickly become the trusted partner for system integrators and end users of RFID technology throughout the world. Our outstanding expertise, commitment and drive provide profitable advancements, reach new heights and deliver real results while ensuring our customers' success. Among our partners and customers we are known from our passion to excel.

Innovative RFID tag solutions have led to several awards; Confidex was ranked as #1 in ABI Research vendor matrix for specialty passive UHF RFID tags in 2009. One year before, Red Herring named Confidex a winner on its Europe TOP 100 list and finalist on its global 200 list in 2008. In the same year, Frost&Sullivan gave Confidex an RFID Technology Innovation Award.

Returnable Transit Items (RTI)



Industrial Asset Management



IT Asset Management



IT Asset Management

IT assets very often represent the most important operational assets of a company. Assets such as servers, blade servers and laptops contain sensitive company information which needs to be secured. Additionally, such assets are expensive and their total quantity is large. The Sarbanes-Oxley Act in the USA requires that accurate inventory data is captured regularly. These facts drive companies to track their IT assets in order to verify where their sensitive company data is located, how efficiently and by whom the assets are used.

IT asset tracking with passive RFID technology brings many benefits when compared to the traditional barcode identification. Reduction of human intervention and faster data center audits results in improved accuracy and both time and cost savings. Detailed information on the IT asset and automated tracking of the asset location allows companies to prevent theft and prioritize the asset usage.

Typical requirements for IT asset RFID tags include compact size, efficient performance and compliance with the existing systems; Financial Services Technology Consortium's (FSTC) RFID tagging requirements are good example of guidelines where the tag should also include 2D barcode and other visual data to in order to comply with specific industry's needs. Confidex IT asset tag portfolio consists of tags both for retrofit and source tagging purposes. Confidex can also provide tags with full FSTC compliance, as the first company in the market.

Suitable products: **Confidex Steelwave Micro, Confidex Steelwave, Confidex SteelBIT, Confidex SteelBYTE, Confidex SteelWING, Confidex Halo**

APPLICATIONS

Returnable Transit Items (RTI)

Returnable transit items (RTI) are used to carry goods within the supply chain or within the manufacturing process. Roll cages, pallets, plastic crates and totes are only few examples of the different RTI's that exists. Typical RTI owners include postal operators, manufacturers, retailers and RTI pooling companies. Very often the exact number of owned RTI's is unknown due to the various factors such as where the RTI has travelled, who has used it last, and when the RTI should be returned.

RFID brings additional visibility to the above mentioned issues. Because RFID tag equipped RTI's can be read simultaneously and without human intervention, all RTI's that leave the postal operator or pool owner can be registered automatically and allocated for certain customers in the data base. When there's a trail in the records, customers can be charged accordingly for the exact duration they have used the RTI. Manufacturers can benefit in many ways by controlling the manufacturing with the help of tagged RTI's.

Pool owners can offer new services to their customers such as improved shipment visibility and the ability to automatically manage the goods which are carried within the RTI. The lifecycle of the RTI can be long, and the RTI can be used in all types of weather conditions, which poses a challenge for the RFID tag. Confidex's RFID tag portfolio offers a variety of tags specifically designed to meet the many challenges of tagging RTI's.

Suitable products for metal RTI's: **Confidex Ironside, Confidex Survivor, Confidex Halo, Confidex Ironside Micro, Confidex Captura**

Suitable products for plastic RTI's: **Confidex Carrier, Confidex Carrier Pro, Confidex Carrier Tough**

Suitable products for wooden RTI's: **Confidex Pino**



Industrial Asset Management

RFID enhanced asset management ensures that assets are in the right place at the right time. Automated data collection gives reliable and real time information. Proper control prevents duplication and surplus of assets and thus reduces working capital.

Individual asset usage and maintenance records enable asset life cycle and maintenance schedule optimization. Increased information facilitates maintenance and replacement forecasting. Better availability of assets and fewer service breaks with smaller inventory is achieved.

RFID enhanced Industrial Asset Management is a powerful tool to streamline business activities for the maximum ROI. Confidex tag products meet the requirements of harsh industrial environments.

Suitable products for metal assets: **Confidex Ironside, Confidex Ironside Micro, Confidex Survivor, Confidex Halo, Confidex SteelWING, Confidex Steelwave, Confidex Steelwave Micro, Confidex Captura**

Suitable products for plastic assets: **Confidex Carrier, Confidex Carrier Pro, Confidex Carrier Tough, Confidex Casey, Confidex SteelWING, Confidex Survivor**

Suitable products for wooden assets: **Confidex Pino, Confidex Survivor**



SUCCESS STORIES

Confidex tags at London Underground

The escalators of the London Underground carry more than three million passengers each day from the street to the platforms and back again. The steps that make up these escalators are subject to constant wear from passengers and from mechanical movement on the escalator track. A failure in an escalator step could cause serious injury. To prevent such an event, London Underground, has implemented an inspection / maintenance regime that ensures the structural integrity of every step is checked at least once during the course of every year. With almost 30,000 escalator steps, in almost 200 escalators requiring inspection, significant effort by London Underground's engineering staff is needed. To address the call for faster, more accurate, and more cost-efficient maintenance, London Underground decided to use RFID technology and Confidex Ironside tags. The tags to be used had to last in the very challenging environment of an operating escalator with vibration, temperature variation, grease and dirt, as well as magnetic fields all being a factor.

Confidex tags at Container Centralen

The challenge in returnable transport items has been to ensure that RFID tags fulfill the expected life-span requirement of the transport item which is typically several years. Confidex's customized RTI tag addressed this requirement with a

warranty that enables the customer to calculate the true value of usage. To facilitate application of the tags in the CC Euro Dolly manufacturing process, Confidex also developed a special quality control system to automatically encode and validate the tags. 300,000 tags have been delivered for this application.

Confidex tags at Swiss Post

Swisscom Auto-ID has implemented a roll-cage tracking solution for Swiss Post worth 4 million Swiss francs with Confidex Survivor tags. A total of 50,000 Survivors were delivered for this application. Swiss Post will use 750 RFID readers in the system at its three parcels are being transported with roll-cages that needed to be available at the right time in the right place. Before the RFID solution, there was no way to account for the roll-cages accurately which then led to unnecessary transportation of roll-cages between sites.

Confidex tags at AB Foods

In AB Foods projects, Teknopalas uses Confidex Ironside on metal tanks. The challenge was tracking Tanks in the factory and improving visibility of transported tanks. Standard RFID tags could not to be used on metal tanks which are washed with composition acid upon each return. Confidex Ironside is the only tag that passed the test.



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