RfD'scan

RFID Technology for Business Solutions

RfD'scan is a solution ideally suited for improving the enterprises of many industries and businesses. Through the utilization of RFID technology, RfD'scan helps companies identify, monitor, and manage their business assets and resources, thereby ensuring that a company's mobile assets are always accounted for.

RfD'scan utilizes RFID, an automatic identification technology which uses a wireless non-contact system and radio-frequency electromagnetic fields to transfer data from a tag attached to an object, thereby enabling the automatic identification and tracking of said object.
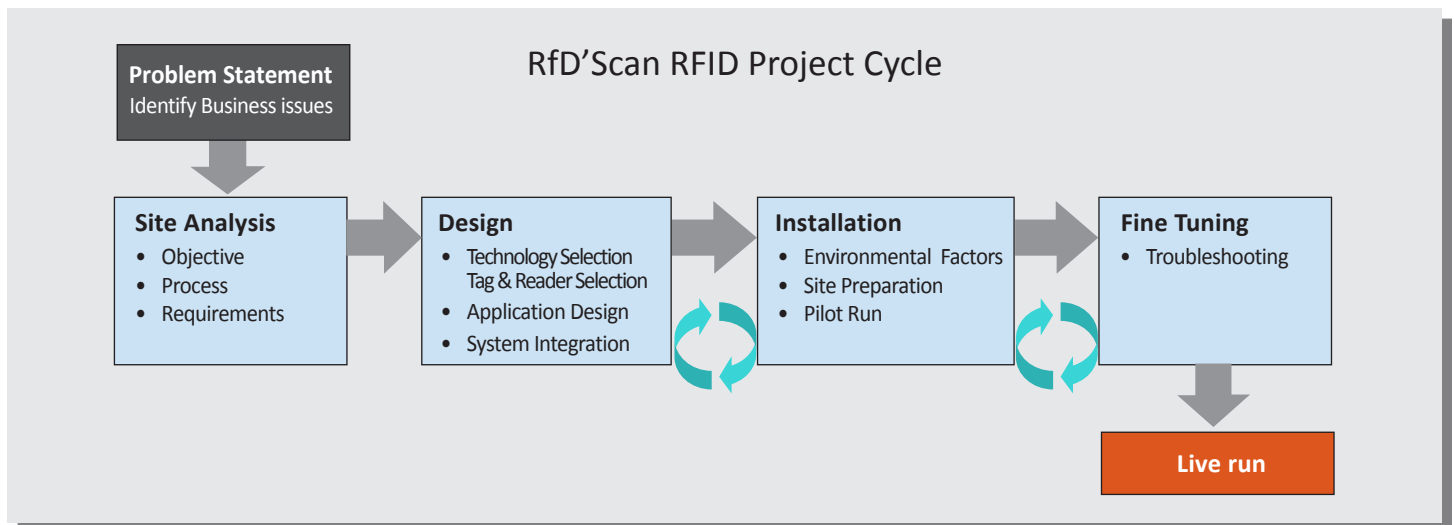
RfD'scan is an ideal solution for businesses that need to keep track of their equipment, vehicles, inventory, tools, files and documents, and other valuable items. The solution solves business problems and improves business operations. Through the use of RFID technology, our solution makes organizations of all sizes more efficient by allowing them to track their inventory, assets, books, files, vehicles, cargo, laundry, students, etc, thus eliminating manual scanning and error proofing processes, and doing away with the labour intensive work associated with correcting errors such as expediting, searching, cycle counting, and reconciliation.

RfD'scan assists companies address business challenges

- Keeps tabs on high-value assets or products, for example, medical equipment, devices, museum collections, etc.
- Improves inventory accuracy and reduces the labour cost on cycle counts to find and verify the location of certain items.
- Simplifies check-in and check-out situations, such as book lending in libraries, or tools at an equipment rental outlet.
- Improves legal file management by tracking the location, status and chain of custody of legal files.
- Improves vehicle or cargo management by tracking the entry and exit points at buildings or countries.
- Allows tracking of high-turnover and movement of items/products, such as the thousands of books in libraries.
- Reduces inventory by providing an accurate picture of existing inventory and eliminating over-ordering of "backup inventory."
- Improves IT asset utilization by tracking servers, notebooks, or lab equipment.

RfD'Scan Improves Business Applications

	File and Library Management	Vehicle / Cargo Management	Asset Management
Business Issue	• Locating and tracking files and books is resource-intensive • Missing and misplaced files and books • Unable to track the movement and ownership of books and files	• Unauthorized access to high security areas • Conventional checking of container security • Lengthy cargo clearance process	• Unable to locate valuable or critical assets • Time-consuming physical audits • Unauthorized movement of assets
Solution	• Track and locate files and books in real time • Quickly and easily locate missing files or books • Systematic Check In/Out of books and files	• Vehicle verification upon entering high security areas • Seal the container's lock with RFID tag to prevent tempering of cargo • Automatically retrieve cargo and vehicle information for verification	• Real-time tracking and accurately pin-point the location of assets • Real-time annual inventory and audit reporting • Real-time recording of personnel removing or replacing assets
Benefits	• Improves availability of confidential files • Increases reader satisfaction • Improves staff productivity and reduces operating costs • Provides better accountability	• Secure access to high security area • Reduces loss of goods • Improves cargo services and reduces processing time.	• Significant operation cost savings • Eliminates human error and improves accuracy • Maintain accurate location information for assets as well as accurate information about chain of custody

RfD'Scan RFID Project Cycle

Problem Statement
Identify Business issues

Site Analysis
• Objective
• Process
• Requirements

Design
• Technology Selection Tag & Reader Selection
• Application Design
• System Integration

Installation
• Environmental Factors
• Site Preparation
• Pilot Run

Fine Tuning
• Troubleshooting

Live run

The reference site

RfD'Scan in File Management Solution
Sabah and Sarawak High Court, servicing 7 locations, namely Kuching, Sibu, Bintulu, Miri, Kota Kinabalu, Tawau and Sandakan.

RfD'Scan in Cross-border Checkpoint System
Sarawak and Brunei Cross Border Transport Route with 2 Checkpoints.

RfD'Scan in Library Book Inter-Lending Service
Penang Alliance University College of Medical Science, servicing 3 school / campus libraries.