



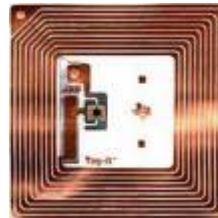
What is RFID technology?

RFID works using small (sometimes smaller than a fingernail) pieces of hardware called **RFID chips or tags**. These tags feature an antenna to transmit and receive radio signals. **Passive RFID tags** do not have a power source, but **Active RFID tags** do. **RFID tags** may be attached to objects, or in the case of some passive **RFID** systems, injected into objects. Whenever a reader within range sends appropriate signals to an object, the associated **RFID tag** responds with the requested information, such as an identification number or product date etc. **Passive RFID** systems derive their energy to send responses from the incoming signal. The reader, in turn, displays the response data to an operator. Readers may also forward data to a networked central computer system. **RFID** systems generally support storing information on the chips as well as simply reading data. **Active tags** are self powered & constantly pulse their information for any antennae within range. **RFID systems** were created as an alternative to barcodes. Relative to barcodes, **RFID** allows objects to be scanned from a greater distance, supports storing of data, and allows more information to be tracked per object. Our passive **RFID** solutions allows for a mass scan mode which enables the user to collect an entire warehouse.

In association with

The **RFID Institute of South Africa**, we at **Bytes Systems Integration Pty Ltd**, are able to offer our clients a stable **RFID** platform that produces results irrespective of your onsite **RFID** skills. We are able to provide the following services & resources:

- Feasibility & business requirements analysis
- Onsite proof of concept (POC) testing
- Access to case studies
- Access to live sites
- Best of breed technologies
- Security & authentication
- Track & trace
- Real Time Locating (RTLS)
- Environment Sensing & Monitoring



Simplifying your **RFID** Applications



We provide a unique software platform, coupled with **RFID** (active & passive) & **Barcode** technology to assist you in achieving your **Asset Management** goals.



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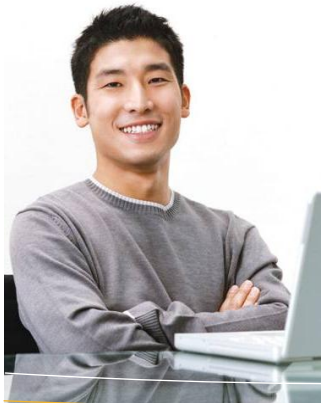
RFID solutions that work for your business.

YOU CANT MANAGE WHAT YOU CANT MEASURE

RFID = Radio Frequency Identification

RFID SOLUTIONS

- ASSET MANAGEMENT
- ASSET TRACKING & LOCATING
- STORES & PARTS CONTROL
- TIME, ACCESS & SECURITY
- TRACK & TRACE
- WASTE MANAGEMENT



Key Reference Clients

Toyota SA Manufacturing

Toyota Boshoku

Aunde

Unilever

Flexible RFID solutions for Your business needs

ASSET MANAGEMENT SYSTEM

Our in-house developed Asset Management System offers a unique solution which utilizes both RFID & Barcode technologies. Easy ERP integration allows for accurate auditing, control & verification. We also provide an all in one reading device that boasts an RFID scanner, Barcode scanner, digital camera & PDT with large memory. Various add-in modules also available & in-house development for customised applications.

STORES & PARTS CONTROL

This custom developed solution provides complete control over your stores, parts centre, PPE centre, Hazardous Materials & many more. Each item in the controlled area is tagged. Access to the area is via access control. Upon exiting the area, the employee swipes the access control card & the fixed RFID reader scans the contents of his trolley etc. This information is then logged against his user ID for accurate control.



CUSTOM SOLUTIONS

RFID is NOT a one size fits all technology. Each application is business requirement dependant. Selecting the correct technology depends on the user needs & application criteria.



PHASED APPROACH TO RFID

- Feasibility
 - Understand the technology
 - Identify all priority applications
 - Assign appropriate technologies
 - Establish deployment costs & benefits
- Design
 - Select applications for deployment
 - Design system & prepare RFID
- Deployment
 - RFID deployment
 - Application deployment
 - Management of deployment



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IT Services for the Enterprise
SYSTEMS INTEGRATION

WE'VE WORKED WITH A DIVERSE CUSTOMER BASE. HOW CAN WE HELP YOU WITH YOUR BUSINESS ENHANCING RFID SOLUTIONS?

Please do not hesitate to contact us for an RFID business analysis meeting.