



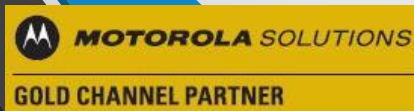
# ***DOCUMENT MANAGEMENET***

RFID BASED

Established  
in 2005



by professionals with more than 15 year experience in the related business.



We are currently the Leading solution provider in Data Capture, RFID, Bar Coding, Mobile Computing, Industrial Automation and Wireless Networking.





## The Key areas the solution addresses are: -

- Real Time visibility of the Documents location.
- Real Time Visibility of the status of the document.
- The system would be able to track this history of a particular document.
- Accuracy in each stage, since the Tags are captured and entered along with the Time Stamp for every transaction, exact date and time would be available for each entry.
- Photo ID of the person who pick a document or who delivers a document.
- Search or Random Audit can be done in just a few minutes.



# An End to End Mobile Computing Solution

## TOTAL SOLUTION

### Enterprise Information Systems

- ERP
- CRM
- MRP
- WMS

### Wireless Connectivity

- WLAN/802.11
- GPRS
- CDMA1x
- Seamless roaming

### Middleware

- Mobile Sync
- Device/user management
- Security
- Integration SW
- Monitoring SW

### Mobile Devices

- Hand-held
- Tablet

### Mobile Workforce

- Indoors
- Outdoors

**End-to-End  
Solutions**

Products  
Integration Software  
Professional Services  
Service and Support

# Document Registration

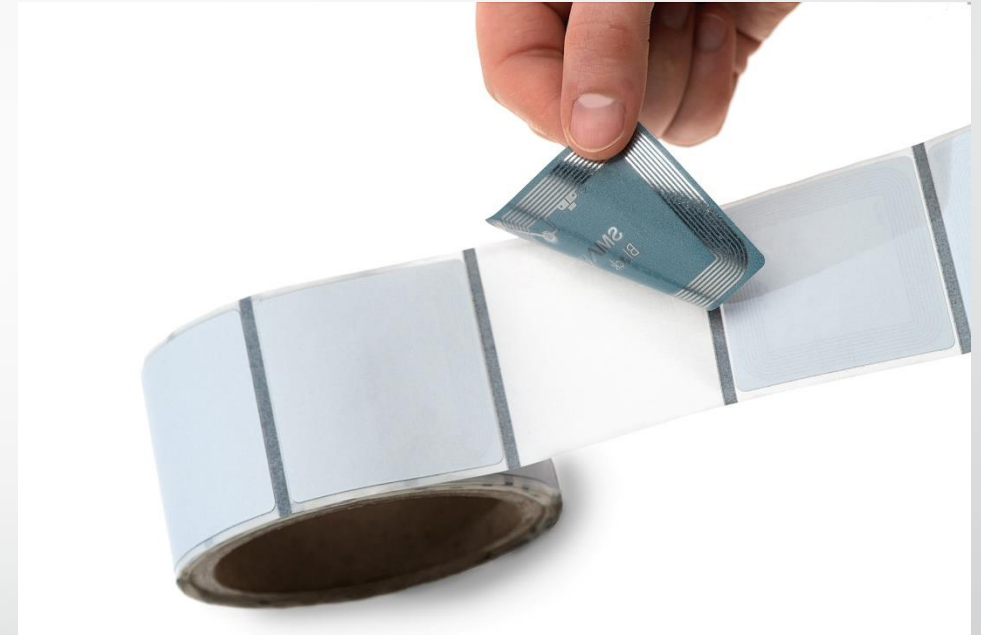


- When a document arrives for tagging, the document information is captured by the system
  - The author of the document
  - The department the document belongs to & the client ID or client Information
  - The details on who can view the document from the department eg: Every one, senior management, etc.
- The date and time the document is presented for registration is also captured. The Contents of the documents are also entered. (This can be a check list.).
- Once the document information is created, the system assigns the document a document ID.



# Document Registration

- A UHF RFID Tag is registered to that document, by reading the Unique ID of the UHF RFID Tag and mapping it with the Document ID.
- The UHF RFID Tag is read using a Rugged Desktop Based UHF RFID Reader. The RFID Tag is clipped to the Document.



- The details of the person who brings the document is also entered and his photograph is captured via an attached web cam with the date and time stamp.
- As soon as the document is registered, the status of the document would be changed to “received for storage at Location”.

# Document Dispatch to Storage Warehouse



- The documents received at the H.O. or the Branch Office would have to be dispatched to a common Document Storage Warehouse.
- A user would be assigned to shift the received documents at the office to the warehouse.
- The Document Desk Operator would scan all the Documents received and would capture the information of the person who is assigned to carry the document along with his photo with date and time stamp.



# Document Receipt at Storage Warehouse

- The Document Desk Operator would scan all the Documents received and would verify the contents of the documents and would mark their approval.
- Once approved, the document status would be updated as received at “warehouse”.
- If rejected, the document status would be updated as rejected, the reason for the same would be commented by the user (this could be a check list.). The author would be intimated via email.
- The information of the person who is bringing the document would be captured along with his photo with date and time stamp. The author would be intimated via email.



# Document Scanning at Storage Warehouse



- The return can be done immediately or else the documents would be verified later and the return would be notified after checking.
- The document are sent to the document scanning zone. The receipt of the document is validated via a similar procedure as stated in the previous slide.
- The system would update the location of the document as “Scanning Zone”.
- The documents are then scanned and stored in the system. This would also be accessible for the authorized users via a desktop / web based application.

# Document Storage at the Vault in the Warehouse



- At the storage vault, each racks would be traced by a Unique ID. This would be available in human readable format, and also in barcode. An RFID tag would also be placed as a rack identifier.
- The moment a document is stored, the document ID and the Rack ID is scanned. This would confirm the placement of the document in the vault and at the same time would also provide the precise location of the document in the system.



# Document Retrieval / Pickup



- When a document has to be picked up, the pick up details are provided by the authorized person. Eg: Duration the document has to be sent out, the person would is authorized to pick up, etc.
- The person arrives with the request letter to the document management desk, the user validates the request and verifies whether the document is in the document room or has it been sent to any one else.
- The document is fetched, the UHF RFID Tag of the document is scanned and marked as the document is sent out. The user information of the person who has picked up the document is noted and his / her information is also captured with the date and time stamp along with his image.

- When a document has to be returned, the person arrives with the document to the document management desk, the operator scans the UHF RFID Tag of the document and verifies the contents of the same.
- If approved, the document is received and then moved to the vault.
- The user information of the person who brought in the document is entered and his / her information is also captured with the date and time stamp.





# Modules in Mobile Hand Held










The mobile UHF RFID Hand Held Reader would be used for the following important modules other than Capturing the Storage Rack ID while storage and retrieval of the Document.

- **Search:** If a document is misplaced, the document's ID is provided in the hand held and the reader would be used to scan the racks, if the tag associated to that document is found the device would notify the user.
- **Audit:** The reader would be used to perform random audit of the books inside the document storage room.



## Few of our Implementations

Clients	Solutions Offered
	Feed Trolley tracking – Production Line - RFID Technology – 5 conveyor Lines.
	PDI Inspection using Hand held Terminals with PDI inspection software & data capture & Image capture.
	Error Proofing & VIN No validation – automation & data validation.
	Assembly Line automation & Airbag Management System – fully automated system & data archiving – 2 assembly lines.
	Bundle Tracking system using RFID Technology
	Vehicle Tracking using RFID technology.
	Conveyor Automation & Data Capture in production line

**CATERPILLAR®**

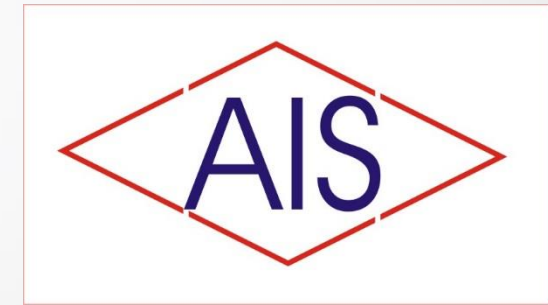


 **BASF**  
The Chemical Company

**Rane**  
Expanding Horizons



  
**RENAULT NISSAN**



  
**SAINT-GOBAIN  
CORPORATION**

 **KRISHNAPATNAM PORT  
COMPANY LTD.**



Now A Part of Zebra Technologies



**NOVEXX**»  
SOLUTIONS

PRINT & APPLY  
SYSTEMS

Hand Held  
Terminals –  
Barcode / RFID

Wireless &  
IP cameras



Industrial  
Automation

