



THREATS:

- » Expired Warranties & Maintenance
- » Longer Break downs
- » Time Taken to inform vendor
- » Longer Response Time
- » No previous record of maintenance
- » SLA Tracking

INDUSTRIES IMPACTED:

- » Information Technology
- » Manufacturing
- » Professional/Service/BPO/KPO
- » Medical

BENEFITS:

- » Reduce capital expenditures
- » Balance asset distribution
- » Managing Compliance & Risks
- » Improve Total Cost of Ownership
- » Instill accountability
- » Provide data integrity and audit readiness
- » Ensures coverage of assets under AMC
- » Preventive Measures against breakdown
- » Service History

The application along with Asset Tracking and Management can prove beneficial to organisations. They can gain full visibility into the movement, activity, security, maintenance and performance of the critical assets and reduce expenditure and time

» Application Solutions for Asset Maintenance/Breakdown Management

Application Overview

Most companies pay less attention to breakdown of their critical assets. They often do not have effective processes in place to distinguish their warranty responsibilities from that of their suppliers.

Warranties and Service contracts of machineries and equipments forms a major part of purchases today. Many a times product go beyond warranty or Service contracts and is a risk for the company in terms of its breakdown and subsequent serviceability cost.

Also with respect to the *ISO standards for Asset Criticality Rating* it is important that all assets be codified and in case of any breakdown the time taken to resolve the same would lead to non-compliance. It is also observed that when a breakdown takes place for certain items, the time taken to find out the vendor contacts and inform them eats into the service response time. Also it is difficult to put the same on record and leads to SLA defaults for both service provider and customer.

In all the above instances if instant response or alert is sent to the vendor/service provider then it would enable a great deal for them to plan out their action plans.

Solution Overview

It is now possible using UHF based RFID solution.

UHF Gen2 tags are passive tags and are available in different form factors and can be attached to different types of machineries. The form factor can be made such to suit metal bodies, plastics, Containers, Boxes, monitors, CPU etc. The Gen2 Tags can be linked to the product master and their warranty/AMC details in the database. All products would be mapped to the respective Vendors details and their contact points (Email, SMS, Phone, Call center nos.)

Using a Hand held UHF reader, the Tag can be sensed and the Asset Maintenance/Breakdown Management system developed by Vicinity RFID would retrieve the relevant Product/Vendor details and based on the warranty/Service contract status provide an option to instantly intimate the Vendor contacts by email or SMS about the breakdown with product and model details. The facilities in charge of company can also be marked a copy of the breakdown mail/SMS.

The solution is built on a .NET platform using a **Windows Mobile OS** and uses **SQL CE** as the database.

The solution comes bundled with the hardware.

PC Synchronization: Based on the requirement the database on the hand held can be synchronized with an offline database and options provided like dashboards and reports. The PC based solution can also provide details like list of Assets due for renewals, under warranty, Critical ratings list. Vendor wise Products and their Service status.



Vicinity RFID provides complete solutions for UHF RFID applications including hardware, accessories, middleware application software, link to existing backbone and custom development where required to address the unique requirement of customer. It is also possible to link the solution with the plant maintenance schedule or such other back end system.

Features of Asset Breakdown Management Solution

- » Portable application . Data available and updateable remotely.
- » Real-time data updates via GPRS , Wi-Fi and internet.
- » Record Asset information.
- » Record asset warranty and maintenance details.
- » Record Vendor information and details.
- » Record full maintenance history.
- » Full querying and reporting functionality.
- » Send breakdown details to vendor through SMS/mail immediately
- » Insurance covered and insurer details.

Mobile Reader/Computer



WORKABOUT PRO
Hand-held Computer

The **WORKABOUT PRO** from **PSION TEKLOGIX** is available with **Windows CE .NET** configuration. This device delivers the performance, ruggedness and durability required for mobile data collection in harsh environment. Based on industry standard Microsoft and Intel X Scale architecture seamless integration with the existing or desired infrastructure. Unparalleled expansion and connectivity option allow the benefit of RFID to be combined with other data collection technologies. Compact Flash and SD/MMC memory expansion slots combined with USB and a 100- pin High Speed Expansion interface, to provide flexible radio and peripheral connectivity. A high degree of customisation flexibility enables the **WORKABOUT PRO** to be perfectly tailored to the application.

About Vicinity RFID:

Vicinity RFID is a leading solution provider in the field of UHF RFID passive solutions. Our mission is to provide the solutions based on cutting edge technology to the complete satisfaction of customer and give them better ROI. The range of solutions include

- Asset Tracking
- Inventory Tracking
- Document Tracking
- Parking Management
- Patron Management
- Speciality Retail
- Supply Chain Integration
- Customised RFID Solutions.

About Psion Teklogix

Psion Teklogix Inc. is a leading provider of rugged mobile computing solutions to a range of industries around the world. For over three decades, companies have turned to Psion Teklogix to empower their mobile workforces by increasing efficiency and productivity. Psion Teklogix offers a wide range of rugged mobile computers fully supported by responsive and reliable customer service and a creative approach to solving your mobility problems. Psion Teklogix delivers its mobile computing solutions in over 80 countries and is headquartered in Mississauga, Ontario, Canada with additional corporate offices located in Europe, the United States, Asia, Latin America and the Middle East.



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