

# RFID



## Track, Monitor & Manage with PDC™

### Low cost, flexible, software for RFID data collection

*Portable Data Collector provides an ideal solution for RFID applications*

Taking advantage of RFID technology needs the right software solutions as well as the right reader and tag technology.

Simple, affordable technology is a key to success with RFID. CoreRFID have created the PDC (Portable Data Collector) software system in order to make it possible to introduce RFID based data collection applications quickly and cheaply, revolutionising asset management.

### CoreRFID PDC Technology

CoreRFID provides the complete range of supporting technology needed for RFID applications including Personal Digital Assistants, RFID tags and readers. The PDC (Portable Data Collector) is designed for applications used to track, monitor and manage assets.

At the heart of the system is an easy to use application running on a PDA, mobile phone or portable computer. RFID tags are attached to each asset. The PDC application generates a pre-programmed schedule for the user to follow, reading information from tags and adding data related to the asset as necessary. Once the pre-programmed schedule has been completed by the user, the data collected is uploaded via a GPRS or WiFi connection to a company server or database, so providing managers and support staff with immediate access to critical information about corporate assets.

Almost any asset can be tagged from a computer to a ladder, from a van to a vending machine. Each tag acts as an electronic passport, giving access to all the information needed to identify an asset, its location, service history and status.

CoreRFID provide RFID tags that can be used in normal office environments or in situations that require high resistance to mechanical, electrical or environmental stresses. As a result the PDC system can be used for both equipment rental and plant maintenance applications as well as conventional asset management. Harsh conditions of extreme temperature, humidity, chemical exposure, electrical or magnetic fields or vibration can all be coped with.



**Symbol MC35 in a protective Otterbox case: an ideal data collector for use with PDC.**

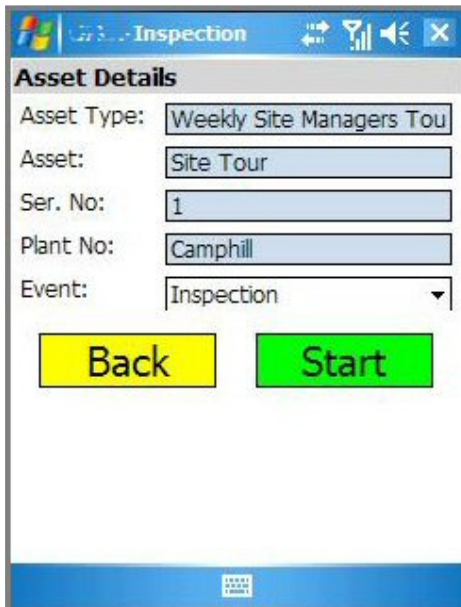
*The benefits are **increased accuracy, improved productivity and better accountability** from better information on assets wherever they are.*

## The PDC System

Users of the system have a PDA equipped with an RFID reader and the PDC application. Assets are identified with the necessary RFID tags.

The PDC application is used by an operator with a unique identity tag and personal identity number. After logging on, user can scan the tag of any asset. The system displays the schedule of activities relating to the asset to the user and the user follows the on-screen menu, completing input boxes as needed.

Because data is collected at the point of action accuracy is improved and the need for supporting paperwork is removed. Direct entry of data and automatic collection of information from the tags reduces the risk of mistakes in transcribing information.



The screenshot shows a PDA screen titled 'Inspection'. Under the heading 'Asset Details', there are several input fields: 'Asset Type' (containing 'Weekly Site Managers Tou'), 'Asset' (containing 'Site Tour'), 'Ser. No.' (containing '1'), 'Plant No.' (containing 'Camphill'), and 'Event' (containing 'Inspection'). At the bottom of the form are two buttons: a yellow 'Back' button and a green 'Start' button.

A typical PDC screen: easy to use and clear.

PDC is a robust, flexible, system that is easy to customise, simple to introduce and straightforward to integrate with existing business applications. PDC is fully supported by CoreRFID and CoreRFID is happy to provide advice on appropriate tag technology, formats for tag coding, and the readers best suited to the customer's applications.

## About CoreRFID

CoreRFID specialise in the technologies that help track, trace, audit and control; to learn more, contact us today:

CoreRFID Ltd. Dallam Court, Dallam Lane, Warrington U.K. WA2 7LT

T: +44 (0) 845 071 0985 F: +44 (0) 845 071 0989 W: [www.corerfid.com](http://www.corerfid.com) E: [info@corerfid.com](mailto:info@corerfid.com)

## The Benefits

The PDC system provides up to date information on assets. The key benefits are:

- Reduced paperwork
- Improves productivity
- Increases accountability
- Dramatically reduces errors
- Improves customer information
- Simple integration with other IT
- Automatic report generation

Using CoreRFID PDC for asset data collection lets your equipment work harder for you and your customers.

Because both the user and the asset are identified during data collection a clear chain of accountability is established, improving the ability of organisations to audit their asset information handling. Because the asset tag must be scanned before data is entered the risk of errors in data collection for assets is much reduced. Data is stored as each inspection or maintenance action is undertaken. At the end of the day, data is sent across a WiFi or GPRS link so that the system can be used on a multiple locations.

The data entered for each asset can be used to update maintenance schedules, asset registers, or rental billing systems as necessary. Data from the PDC can be easily imported into common business applications such as SAGE and SAP or into database solutions such as Oracle or Microsoft SQL Server.

From the data collected it is possible to identify which actions have been carried out on which asset by which user. Detailed reports enable managers to keep plant and equipment operating to their full potential. The audit trail of actions shows conformance to regulatory regimes and legislation.