



Asset Condition Management System

Introduction

Optimize your field service with Asset Condition Management System (ACMS) and take control of your in-field assets. Work efficiently and increase productivity with ACMS.

We believe that great field service management starts with gathering and storing the correct information on your assets.

ACMS allows technicians to access asset data on their mobile devices and follow detailed instructions when maintaining or repairing an item. This could include entering measurements, photographs of broken parts, material used and time spent on the job. Cloud-based solutions also ensure that data entered will sync back to the web-based dashboard even when engineers are working offline.

ACMS provides transparency to your customers by providing detailed reports via the web-based dashboard. By mobilizing your field service management with ACMS, you can dramatically improve the service you deliver.

Traxsense

Synertech's Traxsense software platform brings to life innovative, automated monitoring and tracking solutions by providing clients with dashboards and analytics to easily track all assets and to monitor business performance indicators. Smart sensor enabled assets are transformed into intelligent data sources. These smart assets are connected in real-time which provides organisations with controlled and auditable IOT information. Traxsense not only provides for immediate management decisions, it also harnesses the power of data analytics for business optimisation.

Business Benefits

- **Enhanced compliance and risk management** – Traxsense conforms to standardised general accounting and auditing standards
- **Improved tracking** – Traxsense accurately tracks and mon-

itors the movement and condition of business assets in real time

- **Increased security** – Traxsense can be configured to provide alerts and alarms as well as links into other features such as closed-circuit television (CCTV) and biometric access control
- **Unrestricted access to data** – The ability to provide completely objective and consistently reliable data that can be accessed by authorised personnel via the web, from anywhere in the world on virtually any digital device on a 24/7 basis
- **Objective and reliable data** – The provision of data that is totally independent of any other source of information due to the automation that eliminates human error and prevents manipulation associated with spreadsheets and manual systems
- **High level of customisation** – Traxsense is quickly and easily customised to meet the exact requirements of virtually any business environment



Asset Condition Management

Key Features

- Integrated Global Positioning System (GPS)
- A fully featured cloud-based asset condition monitoring system and also available for local installation
- Realtime data and trends
- Realtime visibility into your field service operations.
- Improved service delivery
- Uses Radio Frequency Identification (RFID) UHF technology for asset track and trace

Components

A combination of various RFID tags are utilised to ensure that optimal readability is achieved depending on the asset that requires tracking and to be able to withstand the elements of environmental exposure

A wide variety of RFID and barcode tags are available such as zip tie tags for easy attachment, on-metal tags for metallic assets and rugged tags designed to withstand a high degree of wear and tear associated with the harsh outdoor environment. Predefined asset inspection criteria is available on handheld devices for ease of asset inspection.

Synertech goes through vigorous testing to ensure that tags selected are the best suitable option for the asset.

Augmented by fixed or a hand-held RFID readers that collect data programmed into the RFID tag and 2D barcodes, the information is then passed on to the main management system. Remote progress monitoring and reporting are core features.

The system caters for the archiving of additional asset inspection meta data such as engineering reports and photographs of asset condition.

After-Sales Service

- **Warranty** – All systems are backed by a 12-month warranty on materials and workmanship commencing from date of delivery
- **Maintenance and support** - A range of technical support and maintenance options are available based on formal service level agreements
- **Training** - Various training options are available ranging from comprehensive classroom training to on-the job training. All systems are provided with training documentation

Summary

Designed, developed and implemented by Synertech, a proudly South African company with nearly two decades of success at the forefront of supplying innovative RFID technological solutions to clients across a broad range of industry sectors.

