

Case Review: The Watchman Solutions

TSL Product: 1101 UHF RFID Reader for Motorola MC75

The Watchman utilizes TSL UHF RFID Reader to improve inspections of construction equipment

Client

- The Watchman Solutions by KD Secure LLC
- Location: Cambridge, Massachusetts, USA
- Industry Sector: Computer Integrated Systems Design Services
- Application: Inspection and Maintenance of Heavy Construction Equipment

Context

The heavy construction equipment industry faces two main challenges: minimizing revenue leakage and complying with new state and federal regulations, which were recently updated by the Occupational Safety & Health Administration (OSHA).

Challenge

In order to comply with the new OSHA standards, heavy construction equipment rental companies must implement a unique labeling and tracking system for parts, a means of better record keeping and standardized inspection procedures.

In order to minimize revenue leakage in the industry, companies must improve equipment maintenance procedures, record accuracy, personnel efficiency and work order billing.

The overall challenge was to create a user-friendly solution that addressed the aforementioned problems, with the help of a reliable and effective UHF RFID Reader.

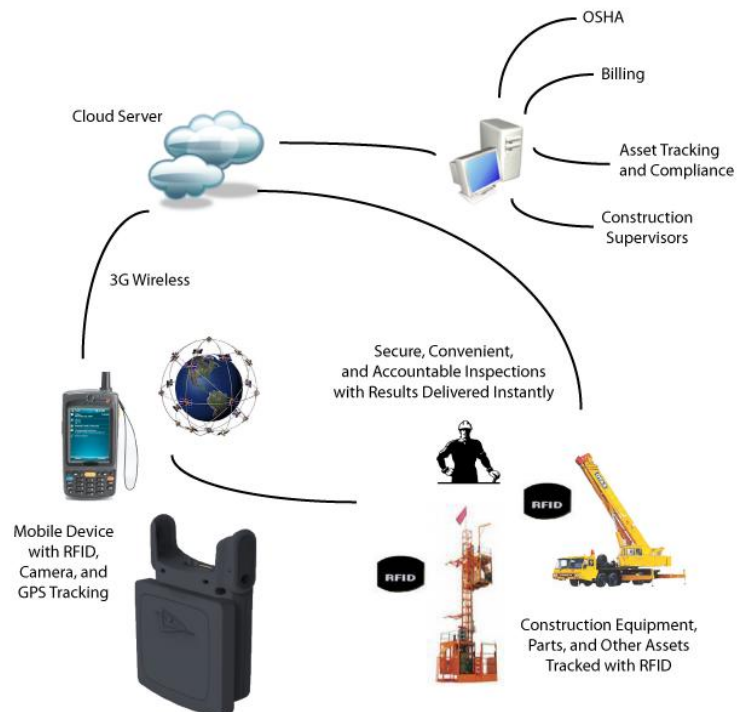
Response/Feedback

The TSL UHF RFID Reader allows The Watchman Solutions to exceed end user expectations by offering superior read range, integration with the MC75 and ease of use to allow for faster, more accurate inspections.

Outline/Summary of Solution

- The Watchman Solutions reduces data entry errors, increases inspection speed and creates a safer environment for heavy construction workers
- The Motorola MC75 / 1101 UHF Reader enables the end user to label essential parts of their hoists and cranes with UHF RFID tags, helping them comply with state and federal regulations while streamlining the company's operations
- Data collected by the MC75 / 1101 UHF Reader provides the end user with accurate maintenance records and a means of forecasting future service needs

Solution



Result

The Watchman Solutions provides multiple benefits: compliance with OSHA standards, increased personnel efficiency, improved asset tracking over the lifetime of equipment parts, shortened billing cycle, increased accuracy of records, reduced fraud potential and manufacturer's warranty claims.

+ About TSL

TSL designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

- RFID - Low Frequency, High Frequency and UHF
- Bluetooth
- GPRS/GSM
- IrDA
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- GPS
- 802.11 Wi-Fi
- Magnetic Card Readers
- OCR-B and ePassport

Utilizing class leading Industrial design, TSL develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

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