



LYNGSOE MOBILE DATA CAPTURE CART

AUTOMATIC AUDITING OF CLINICAL ASSETS

Medical devices are an essential component to deliver patient care, they are regularly deployed into a hospital ward or a department where they are needed but are often taken to other areas of the hospital. Their whereabouts within the hospital is vital to know in order to support patient safety and deliver efficient medical device management.

FAST FLEXIBLE AND LOW COST AUDITING

Auditing a fleet of mobile medical devices to know exact numbers and location of all clinical assets (high, medium and low risk devices) is typically performed once a year by an external auditor, it can take several months to complete with high costs. With the Mobile Data Capture Cart (MDCC) it will deliver a rolling audit to keep medical device inventory records up to date.

ALTERNATIVE TO FIXED RFID INFRASTRUCTURE

The MDCC is a mobile RFID data capture device that allows data capture of RFID tagged medical devices in areas of the hospital where there are no fixed installed RFID readers or no RFID reading infrastructure. By manually pushing the cart through all the relevant locations, the MDCC will read RFID tagged equipment detected within a radius of 10 m recording the date, time and location it was seen.

TRACKING AND LOCALISATION MADE EASY

In X-Tracking™ hospital staff and safety inspectors can easily search for all types of safety equipment, captured by the MDCC, by just typing part of a name and location. Staff can search across all types, names, status, locations in X-Tracking™. The search result contains; last seen location, name, status, type, and any highlighted notifications.

CONFIGURATION

The MDCC has 3 RFID antennas, 1 RFID Reader and a laptop PC running the X-Tracking™ MDDC Windows application. The cart is a standard medical approved cart with an onboard power supply that can operate for at least 8 hours before needing a recharge. The MDDC can operate offline, but once connected through the local Wi-Fi, it will deliver recorded data to a server.

BENEFITS

- Automatic rolling audit
- Keeping medical device inventory records up to date in X-Tracking™
- Maintain an accurate snapshot of clinical assets



SPECIFICATIONS	LYNGSOE MOBILE DATA CAPTURE CART
Frequency Range	865 - 868 MHz (ETSI)
Max output power	2W ERP
Receive Sensitivity	-84dBm
Antennas	3pcs. Circular UHF
Antenna beam width	65 degrees
Temperature Operational	0°C to +35°C
Power Source	100-240 VAC, 50-60 Hz (To charge the battery)
Battery	Lithium-ion battery, 45 Amp.
Weight	50 kg (equipment fitted)
Features	Hygienic enclosure, Ergonomic, Complies with infection control
Tag compatibility	ISO 18000-6C, EPC Class1 Gen2 compliant tags
Operation time full charged battery	4-5hr run time drawing up to 10A



Mobile Data Capture Cart