

RFID-ENABLED LAMSON MEDROVER



Powered by - MOJIX

TOTAL HEALTHCARE VISIBILITY

- Hospital Warehouse
- Hospital Beds
- Trolleys
- AGVs
- Instruments
- Wheel Chairs
- Patients & Infants
- Equipment & Documents

RFID PASSIVE TAGS WITH ACTIVE PERFORMANCE

Complete asset tracking and asset management solutions for controlling all aspects of an asset's life cycle from purchase to disposal.

Unique Architecture. New Possibilities

The Lamson MedRover is an innovation for mobile asset tracking with RTLS capabilities. Invented and designed by NASA scientists to detect very faint radio signals, the MedRover can read the tag signal from an excited passive RTLS tag as far as 10 meters away—which is unmatched compared to the range of conventional systems. The long range RFID receiver is now available at a lower cost with greater functionality.

Advanced digital signal processing (DSP) technology enables an innovative architecture—and a whole new type of physical layout.

RTLS Capabilities. Passive Tag Cost

The all in one Lamson MedRover, with unprecedented range, coupled with the low-cost excitors and advanced location algorithms, translates into the ability to accomplish—asset tracking and visibility—using low cost passive tags instead of more expensive and proprietary active tags. Increase bed turnover rate & improve patient flow.

Portable and Secure

Lamson MedRover opens up new realms of possibility, including presence detection, precision location tracking across large areas, with security and authentication. One system can support multiple business processes in the same location and overlay onto an existing system with no conflict.

- ▶ Manual asset inventory taking becomes a thing-of-the-past. With a Lamson Starflex system the software platform that houses asset and equipment location data healthcare facilities can conduct asset inventory in minutes and NOT days.
- ▶ Deliver return on investment (ROI).
- ▶ Automatic data capture using RFID solution sales time and provides fast accurate data on location and status of assets.



Lamson MedRover mobile-base

SPECIFICATIONS

Frequency:

920-926MHz

Max Power Consumption:

35-50 Watts

Battery Supply:

12 Volts

Tag Communication Protocol:

EPC Class 1 Gen 2

Tag Detection Range:

≈10m

Associated cost

- ▶ Approx. 8 assets per bed
- ▶ In average \$3,000 cost for mobile assets per bed
- ▶ Average utilization 50-60% (far below the optimum level)
- ▶ Nurses spend upto 1 hour/shift to locate an asset
- ▶ 10% of mobile asset needs to be replaced due to loss or mishandling
- ▶ Typical 500 bed hospital can save \$360,000 annually by implementing Lamson advanced asset management and tracking solution.

Benefits in the key areas

Automation—reducing manual processes through automated scanning and data entry improves productivity, thus allowing resources to be utilised to higher value activities.

Integrity—improving the integrity of real-time supply-chain information, with increased authentication, security and tracking capabilities. Reducing errors, shrinkage and counterfeiting while improving customer satisfaction.

Velocity—minimizing the time spent finding and tracking needed assets, in turn increasing product flow and handling speeds.

Insight—providing the real-time information needed to make faster, better-informed decisions and the ability to be more responsive to the customer.

Capability—providing new applications and quality to meet supply-chain partner demands and enhance customer experiences.

“research has identified... Nurses spend an average of about half an hour per shift to locate mobile assets, which impacts patient care; and around 10% of mobile assets need to be replaced annually due to loss or mishandling of devices”.

- A Frost & Sullivan White Paper -

For more information or book a demonstration contact :

Lamson Healthcare Solutions

3 Sheridan Close
Milperra NSW Australia
1300 LAMSON (526 766)
www.lamson.com.au



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