

AMCS Assetlink: Overview and White Paper Study

AMCS Assetlink provides real-time location tracking, security, and traceability of medical equipment at all times.

An independent Rand Europe White Paper¹ studied real-time location and radio frequency identification (RIFD) systems such as AMCS Assetlink and found that **systems such as AMCS Assetlink “Allow healthcare delivery organisations to have a better operational overview of their medical assets, with positive results in terms of tools availability and general asset management.”**

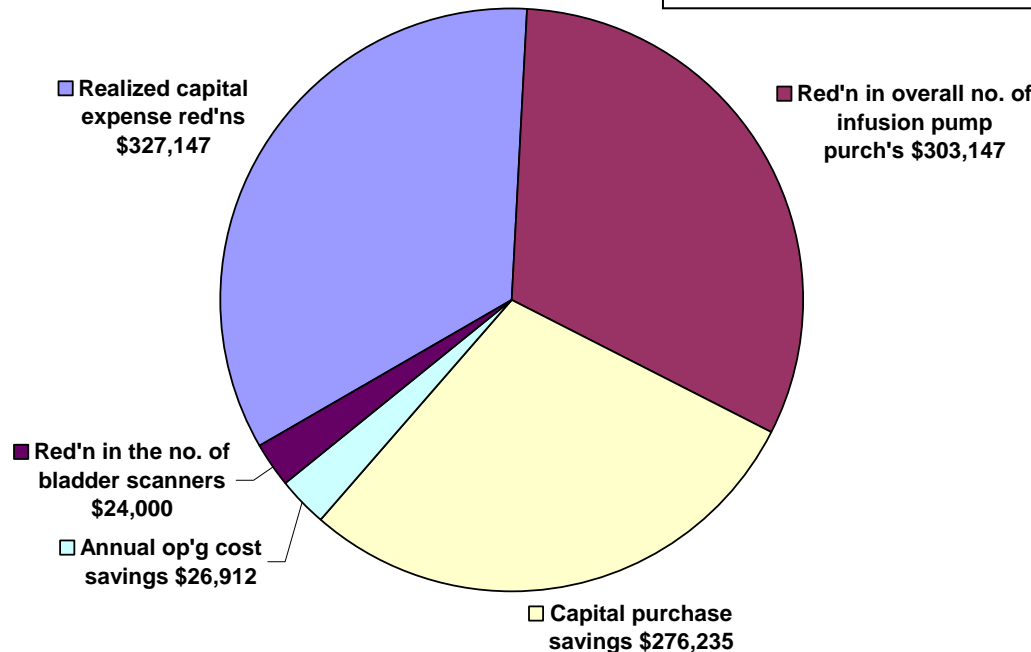
In this 2009 white paper, Wayne Memorial Hospital (WMH) share their results from using real time location asset management. WMH is a 300+ bed facility in North Carolina. WMH wanted to help staff keep track of the location and status of tagged assets, including: *infusion pumps, diagnostics machines, blood warmers, computers on wheels, wheelchairs and other equipment.* They also wanted to enable WMH management to make better capital investment and asset utilisation decisions.

Wayne Memorial Hospital share the following results regarding cost, time savings, and other benefits of having a Real Time Location Asset Management System:

1. COST Avoidance due to Real Time Location Asset management

Wayne Memorial Hospital did not need to purchase or maintain 53 IV Pumps due to its better asset management of portable hospital assets

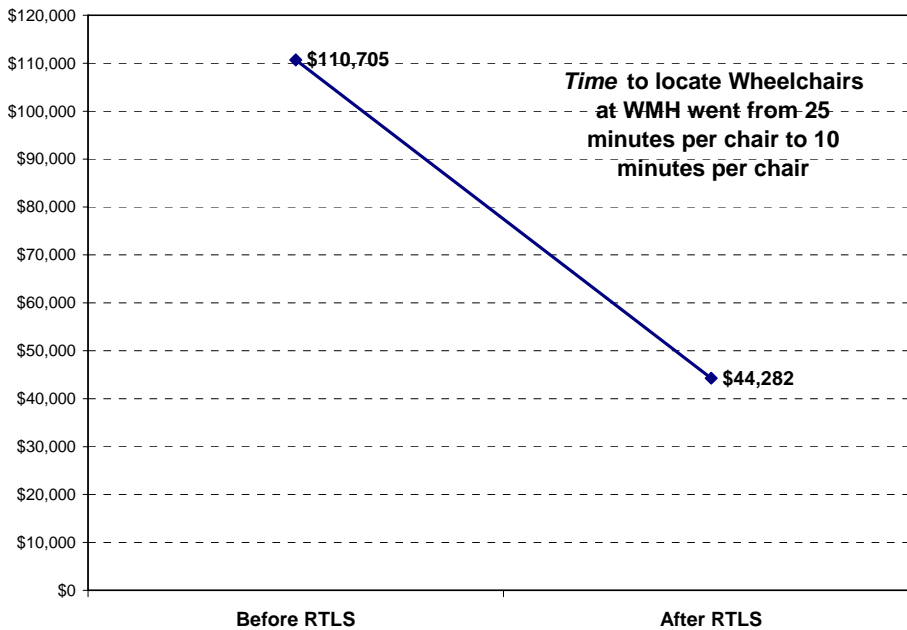
<u>Wayne Memorial Hospital Savings</u>	<u>Total Savings</u>
Realized capital expense reductions	\$327,147
Reduction in overall number of infusion pump purchases	\$303,147
Capital purchase savings	\$276,235
Annual operating cost savings and maintenance	\$26,912
Reduction in the number of needed bladder scanners	\$24,000
Total Annual Savings with RTLS Asset Management:	\$957,441



¹ **Source:** Rand Europe, 2009, [Independent, Not-for-Profit Research], “**Study on the Requirements and Options for RTLS / Radio Frequency Identification (RFID) Applications in Healthcare**”, Van Oranje, Schindler, Valeri, Vilamovska, Hatzaindeau, Conklin

2. TIME and Cost Saved at WMH due to Real Time Location Asset Management System

Cost to Locate Wheelchairs at Wayne Memorial Hospital



3. Additional Benefits at Wayne Memorial Hospital:

- 50% reduction in capital expenses due to better repair, closer management of useful life, and avoiding replacement of wheelchairs
- 50% reduction in labour costs spent on locating beds (associated with staff time utilization improvement, and more time available for preventative maintenance on other equipment)
- Nurse satisfaction with amount of non-care-specific tasks that need to be done
- Asset loss avoidance (\$3,000 for IV pumps, \$500 for wheelchairs)
- Elimination of *asset hoarding* decreases the clutter Wayne Memorial Hospital was experiencing, hence preventing potential safety threat conditions.

4. Quality Gains at Wayne Memorial Hospital from Real Time Location Asset Management:

- Improved patient safety (*via better preventive maintenance of assets and infection control*).
- Preventive maintenance improvement of all types of portable equipment (*from 96 percent to 100 percent*)
- Change in patient safety adverse events associated with 20 to 30 min delay of patient care (due to inability to locate a needed asset)
- Change in patient satisfaction associated with faster transport of patients within the hospital
- Improved regulatory compliance (*e.g. standards for equipment preventive maintenance*) and hospital accreditation. This brings benefits from a litigation point of view as well (avoided liability claims).

AMCS Assetlink is a fully tailored Real Time Location Asset Management Solution for healthcare facilities. To learn more, and arrange a free consultation visit, contact AMCS Medical.