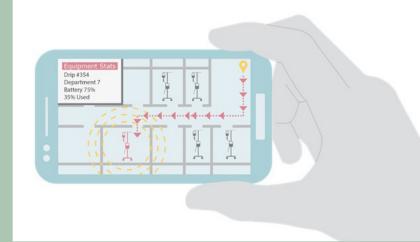# Real Time Location Systems

A campus-wide Real Time Location System (RTLS) with room-level resolution and granular tracking capabilities offers significant value by improving hospital operations, including enhanced workflows, improved staff safety, increased staff satisfaction, and elevated efficiencies.

RTLS is helpful on its own—locating assets, staff, and patients provides value – but the real magic happens when you integrate RTLS with other technologies and building systems to create a real "smart hospital!"

—ALEXIS FULLER, SENIOR STRATEGIC CONSULTANT

NEED

Hospital staff often spend significant time on "hunting and gathering" activities; when high-value equipment, important consumables, and staff are provided with RTLS tags, they can find what they need when they need it.

Integration of RTLS with other systems provides significant value by leveraging location-based contextual data to support building safety and smart hospital systems. This allows for the automation of low value tasks, improved understanding of the current state of the hospital, and, in the future, predictive analytics to streamline workflow and processes.

BENEFIT

Staff satisfaction is increased as they quickly locate equipment, consumables, other staff members, and patients. Safety is increased as the "help" button on their tag provides specific location information to responders.

Hospital operating costs are reduced as RTLS tagged equipment and supplies can be quickly located, reducing the need for additional equipment, quickly locating equipment that requires maintenance, and demonstrating to regulatory bodies that specific equipment can be quickly located.

Patient and family member satisfaction is increased as RTLS integration provides additional value-added capabilities (such as the patient television displaying the name and purpose of hospital staff when they enter the patient room).

RISK

Deploying RTLS creates an imbalance in hospital services if coverage is not extended across the entire healthcare campus.

RTLS tags require batteries to function. A comprehensive battery replacement strategy will ensure the viability of RTLS services.

RTLS can generate negative connotations concerning the "tracking" component of the service. A comprehensive education program on the benefits to staff, patients, and visitors and the actual uses that the RTLS will address can help overcome this resistance.

Value

MAX

Staff Satisfaction

HIGH

Patient Engagement

MEDIUM

Clinical Outcomes

MEDIUM

Risk

LOW

VANTAGE
Technology Consulting Group