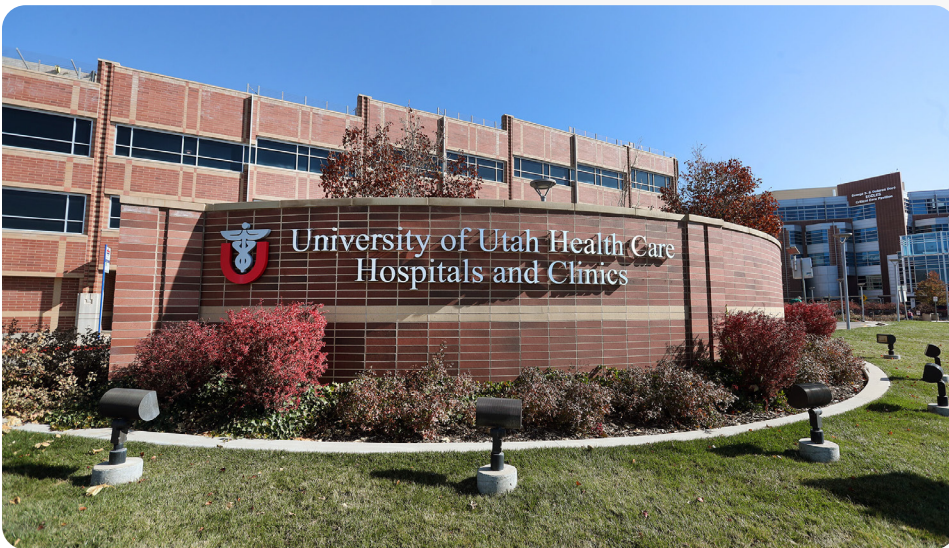


Elevating Healthcare Efficiency, Quality and Safety



11,000+

Tagged Mobile
Medical Devices

5,000+

Staff Members
Protected

1,300+

Temperature
Monitoring Devices

CHALLENGE:

University of Utah Health, the only academic medical center in Utah and the Mountain West, serves a vast population across multiple states, including Utah, Idaho, Wyoming, Montana, western Colorado, and much of Nevada. With over 30 buildings covering more than 3 million square feet, the health system faced significant challenges in managing its extensive operations, particularly in tracking assets, monitoring environments, and optimizing staff workflows.

The opening of their state-of-the-art rehabilitation facility was the impetus to procure and deploy advanced real-time location systems (RTLS) to streamline operations, improve patient care, and ensure the optimal performance and availability of medical equipment, supplies and staff. The challenge was to integrate asset management, temperature monitoring and staff locating across a complex network of systems, including their CMMS, Active Directory, and Epic EHR, while maintaining high levels of efficiency and care quality.

SOLUTION:

To tackle these challenges, University of Utah Health partnered with ZulaFly to deploy several key RTLS and enterprise visibility use cases across the vast healthcare network, including Asset Tracking, Environmental Monitoring, Patient Locating, Staff Locating, CMMS Integration, Active Directory, Epic Integration, Analytics, and equipment PAR-level management.

ZulaFly's platform was deployed across the university's expansive facilities, with thousands of tags implemented to ensure real-time visibility of assets, staff, and patients. The system was designed to integrate seamlessly with existing systems, such as Epic and their CMMS, enabling comprehensive data management and operational efficiency.



Asset Tracking



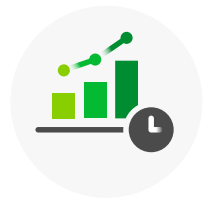
Environmental Monitoring



Workflow



Staff Safety



Real-time & Historical Analytics

IMPLEMENTATION:

The implementation of ZulaFly at University of Utah Health was a large-scale project involving:

- ✔ **Asset Tracking:** Real-time monitoring of over 11,000 assets to ensure availability and efficient use across the healthcare system.
- ✔ **Environmental Monitoring:** Integration of over 1,300 temperature monitoring devices to safeguard sensitive medical supplies and environments.
- ✔ **Patient Locating:** Streamline care delivery and improve patient experiences.
- ✔ **Staff Locating:** Real-time visibility of staff to optimize workflow and ensure safety.
- ✔ **CMMS and Active Directory Integration:** Seamless integration with existing maintenance and security systems to support efficient operations.
- ✔ **Epic Integration:** Connecting RTLS data with Epic EHR for a unified patient management system.
- ✔ **Analytics and PAR Levels:** Advanced data analytics to support decision-making, resource allocation, and maintenance of appropriate stock levels.

IMPACT:

The RTLS implementation has had a significant impact on University of Utah Health, particularly in terms of operational efficiency, staff productivity, patient care quality, and technological innovation.

- ✔ **Operational Efficiency:** The deployment of over 11,000 asset tags has provided the University of Utah Health with unprecedented visibility into the location and status of critical equipment. This real-time data has reduced the time spent searching for assets and ensured that equipment is readily available when needed.
- ✔ **Staff Productivity:** With over 5000 staff members located and monitored through the RTLS, the system has enabled better workflow management, reducing bottlenecks and improving staff response times. The integration with Active Directory and CMMS has also streamlined administrative tasks, freeing up staff to focus on patient care.
- ✔ **Patient Care Quality:** The new RTLS capabilities have enhanced patient locating and monitoring, contributing to a more efficient and patient-centric care model in the state-of-the-art rehab facility.
- ✔ **Technological Innovation:** By integrating RTLS with Epic EHR and other systems, University of Utah Health has set a new standard for healthcare technology.

RESULTS:

- ✔ Although specific metrics are still being analyzed, the general benefits observed in similar deployments suggest **significant improvements in asset utilization, staff efficiency, patient care, and operational innovation** at University of Utah Health.
- ✔ The integration of multiple management systems into a single, user-friendly application has **improved the efficiency of both administrative and clinical workflows.**

“The ZulaFly system has allowed me to more efficiently and successfully manage my equipment and devices by creating a platform that allows staff to quickly identify where equipment is located. This has saved us hours each week having to go around the hospital and looking in multiple locations to find equipment allowing us to provide better care to the patients we serve. This system has also helped me prevent loss of a piece of equipment by allowing me to see where it had gone through our system and finding it before it was about to be tossed out.”

Douglass Clapp | ICU Nurse Manager