ZulaFly | Northern Arizona Healthcare

SUCCESS STORY

Digitizing Workflows, Integrating with Oracle Health, and Ensuring Safety

2,500+

Tagged Mobile Medical Devices

500+

Temperature Monitoring Devices

BACKGROUND:

Northern Arizona Healthcare (NAH) is the largest healthcare organization in northern Arizona, serving over 700,000 people across a 50,000-square-mile region. With a dedicated team of more than 3,600 professionals, NAH provides comprehensive services through Flagstaff Medical Center, Verde Valley Medical Center, and various specialized clinics and centers. NAH Orthopedic Surgery Center was named one of the best ambulatory surgery centers in Arizona by US News & World Report 2024-25.

CHALLENGE:

NAH is well regarded as a center of excellence for ambulatory and acute care workflows. There was a need to automate temperature monitoring, improve the allocation and utilization of thousands of mobile medical devices, and digitize its workflows, all the while integrating into the Oracle Health EHR. NAH campuses include over 2 million square feet across 10 buildings, so they needed an enterprise-class visibility solution to improve workflows, safety and operational efficiency.

SOLUTION:

Northern Arizona Healthcare partnered with ZulaFly to deploy RTLS and enterprise visibility use cases across its campuses, including Asset Tracking, Environmental Monitoring, Patient Locating, Workflow, Staff Locating & Staff Duress, Analytics, and an integration to Oracle Health.

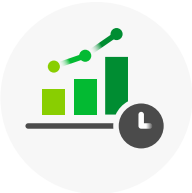
ZulaFly was deployed with thousands of tags implemented to ensure real-time visibility of assets, staff, and patients. The integrate seamlessly with existing systems, enabling comprehensive data management and operational efficiency.

Asset Tracking

Environmental Monitoring

Workflow

Staff Safety



Real-time & Historical Analytics

IMPLEMENTATION:

The implementation of ZulaFly at Northern Arizona Healthcare was a large-scale, multi-stage project involving:

- Asset Tracking: Real-time monitoring of over 2,500 assets to ensure availability and efficient use across the healthcare system.
- Environmental Monitoring: Integration of over 500 temperature monitoring devices to safeguard sensitive medical supplies and environments.
- Self-Rooming / Patient Workflow: Streamline care delivery, lower patient wait times and improve patient experiences.
- Staff Locating & Staff Duress: Real-time visibility of staff to optimize workflow and ensure safety.
- Oracle Health Integration: Connecting RTLS data with Oracle Health EHR for a unified patient management system.
- Analytics and Asset Utilization: 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 NAH, particularly in terms of operational efficiency, staff productivity, patient care quality, and technological innovation.

- Productivity: The deployment of over 2,500 asset tags has provided NAH with transformative 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 was always readily available when needed.
- Service Quality: RTLS provides the ability to quickly and easily locate staff members, enabling better workflow management, reducing bottlenecks and improving staff response times.
- Innovation: By integrating RTLS with Oracle Health EHR and other systems, NAH has centralized multiple workflows through Oracle Health. The advanced analytics provided by the ZulaFly system have opened new avenues for innovation in patient care, resource management, and operational efficiency.

RESULTS:

- Although specific metrics are still being analyzed, the general benefits observed have shown **significant improvements in asset utilization, staff efficiency, patient care, environmental monitoring and operational workflows.**
- Enterprise solutions like this have yielded **significant savings, while improving patient experience** and other key delivery of care performance indicators.