Unlock the Future of Healthcare: Private 5G for Asset Tracking and Robotic Nursing

Explore the transformative potential of private 5G networks for asset tracking and robotic nursing in the healthcare industry.

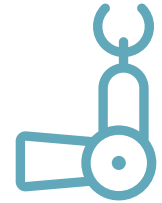
Introduction

Revolutionize healthcare delivery

Utilize private 5G networks to enable real-time data transfer, improve coordination, and enhance patient care.

Optimize asset tracking and management

Leverage private 5G technology to monitor and locate critical medical equipment, ensuring availability and efficiency.



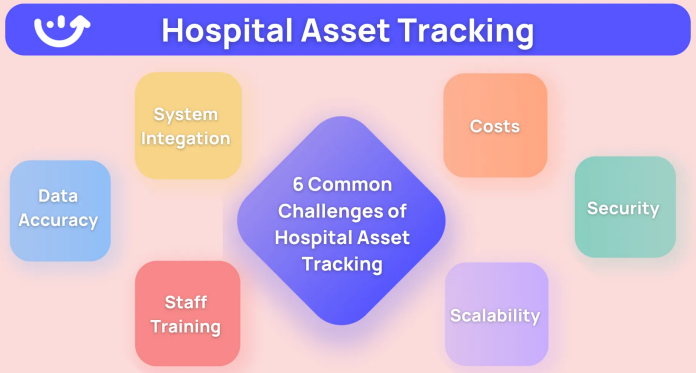
Enable robotic nursing assistance

Employ private 5G-powered robots to assist nursing staff with routine tasks, freeing up time for more personalized care.

Private 5G technology offers transformative solutions to modernize healthcare, improve operational efficiency, and enhance patient outcomes.

The Challenge

Private hospitals often struggle with inefficient asset tracking systems, leading to lost or misplaced medical equipment, supplies, and devices. Additionally, the limited capabilities of robotic nursing assistants in these healthcare facilities hinder the delivery of personalized and efficient patient care.



The Solution

Seamless Asset Tracking

Leverage private 5G network to enable real-time location tracking and monitoring of critical medical equipment, supplies, and consumables throughout your healthcare facility.

Robotic Nursing

Integrate advanced robotics with private 5G to enhance patient care, improve efficiency, and reduce staff workload. Empower nurses to focus on high-value tasks while robots handle routine duties.

Low-Latency Connectivity

Private 5G network ensures reliable, low-latency connectivity, enabling mission-critical applications and supporting the data-intensive requirements of IoT-enabled medical devices and robotic systems.

Enhanced Security

Safeguard sensitive patient data and mission-critical systems with the secure and private 5G network, tailored to your healthcare organization's specific security needs.

Key Features

- ## Improved Patient Care

  Enables real-time location tracking of medical equipment, ensuring prompt availability for patient needs. Robotic nursing assistants enhance bedside care and support for patients.

- ## Enhanced Operational Efficiency

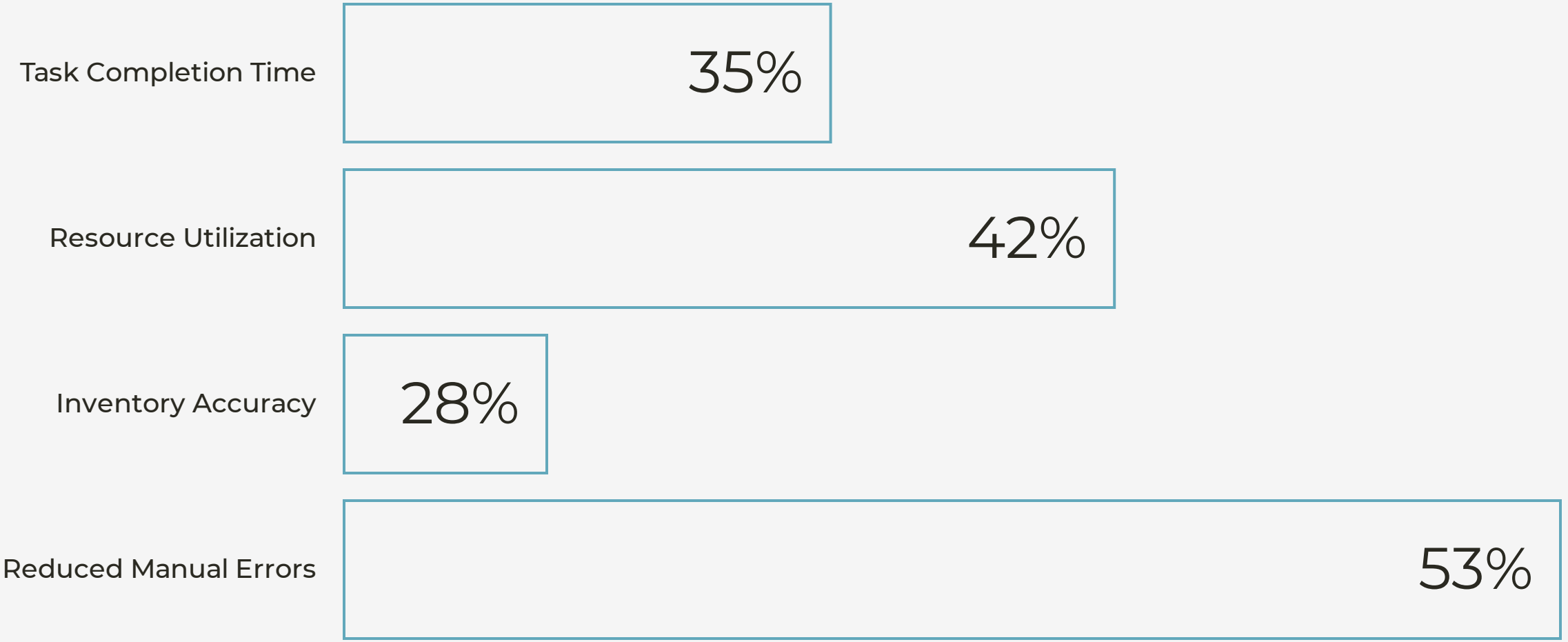
  Streamlined asset management and automated inventory control, reducing time spent searching for equipment. Optimized workflow and task delegation between nurses and robotic assistants.

- ## Reduced Costs

  Minimized equipment loss and theft through tracking. Improved resource utilization and reduced overhead expenses associated with manual processes. Increased staff productivity and patient throughput.

Benefits

Percent improvement in key performance metrics



Use Cases

Asset Tracking

Utilize private 5G networks to accurately and reliably track the location of critical medical assets, such as ventilators, infusion pumps, and wheelchairs, enabling real-time visibility and optimized asset management within healthcare facilities.

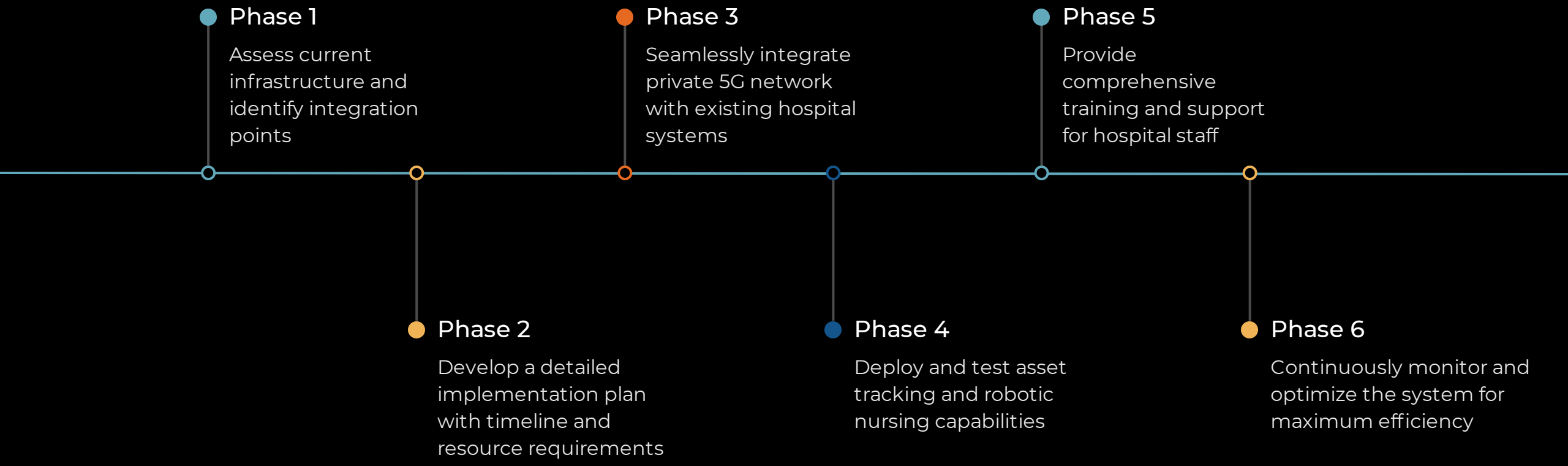
Robotic Nursing

Leverage private 5G networks to enable the seamless integration of robotic systems into patient care, allowing for tasks like medication delivery, vital signs monitoring, and even assisted mobility, improving efficiency and freeing up human nurses to focus on higher-level care.

Beyond Healthcare

Explore the potential of private 5G networks to unlock new use cases in healthcare, such as remote patient monitoring, telemedicine, and autonomous surgical robotics, empowering healthcare providers to deliver better patient outcomes and enhance the overall quality of care.

Roadmap


Phase 1
Assess current infrastructure and identify integration points
Phase 2
Develop a detailed implementation plan with timeline and resource requirements
Phase 3
Seamlessly integrate private 5G network with existing hospital systems
Phase 4
Deploy and test asset tracking and robotic nursing capabilities
Phase 5
Provide comprehensive training and support for hospital staff
Phase 6
Continuously monitor and optimize the system for maximum efficiency

Industry Partnerships

AI EDGE LABS

paylolly

blocz iO

Silicom Ltd. Connectivity Solutions

KENTON GROUP

intel IOT Solutions Alliance

TELTONIKA

aws

PISCIS NETWORKS

ROBØT VANOLI