ALIS
TECHNOLOGY

HEALTHCARE

PRODUCTS AND SERVICES

WHO WE ARE

Comprehensive Healthcare IT Solutions - Elevating Patient Care with Specialized IT Services for Healthcare since 2001

KEY SERVICES

Advanced Cybersecurity and Identity Management: Protect patient data with cutting-edge security solutions.

Support for EMR: Enhance healthcare operations with fast and secure support for many EMR solutions.

Secure Data Center Hosting: Reliable hosting services for critical healthcare applications.

Managed IT Services: Proactive IT management, reducing downtime and enhancing healthcare efficiency.

Design and Build out of Healthcare facilities: Expert IT infrastructure design, integrating seamless technology for patient care.

WHY PARTNER WITH US

HITRUST Certified Assessors: Industry-leading expertise in healthcare security compliance.

Proven Security Audits: Over 89 successful audits ensuring robust protection.

Extensive Experience: 22+ years supporting healthcare IT needs.

Large User Base: Trusted by over 5,000 healthcare professionals.

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CORE IT OFFERINGS FOR HEALTHCARE

We boast extensive expertise in revolutionizing patient care with advanced healthcare IT solutions across North America

- Design Healthcare facilities with owners and Architects
- Design and implement secure network, servers, Wi-Fi, Audio-Video, Card Access
- Nurse Management System
- Data Center Hosting

- Online Health Portal
- Private Cloud Hosting
- Identity Management
- IT facility management
- IT Security Audit
- Managed IT Services

- IT Support
- Cybersecurity Services
- IT helpdesk services
- IT Consulting Services
- IT Outsourcing services
- IT Network Support

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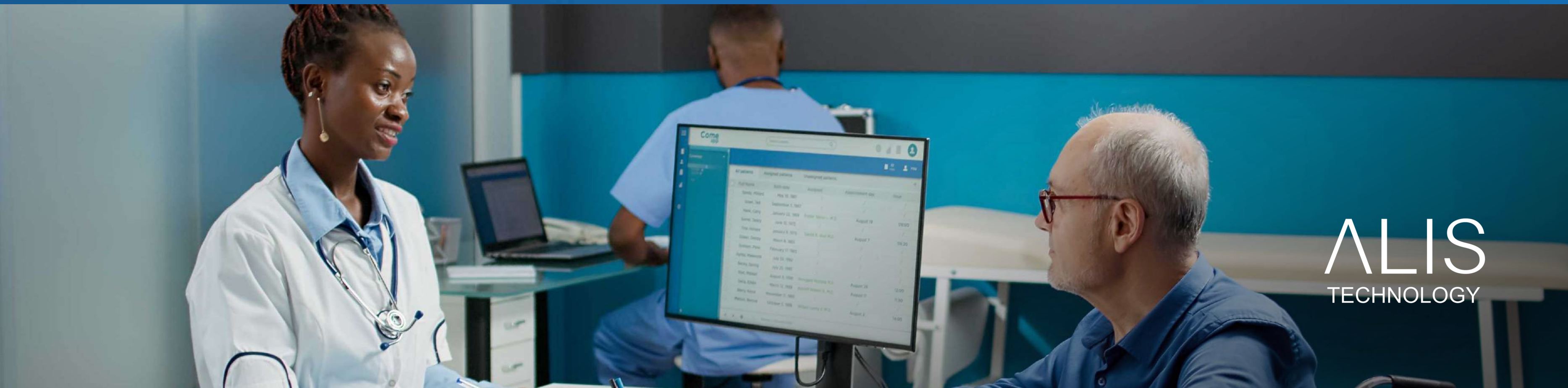
MANAGED IT SERVICES

Our holistic IT management have kept healthcare systems across North America running efficiently, ensuring seamless operations, minimizing disruptions, and allowing healthcare professionals to focus on delivering exceptional patient care.

CORE IT SERVICES

Data Security and Compliance: Ensuring patient data is secure and compliant with regulations like HIPAA.

Electronic Health Records (EHR) Management: Managing and maintaining EHR systems.

Network Management: Monitoring and managing the healthcare organization's network to ensure uptime and performance.

Cloud Services: Cloud storage and computing solutions to enhance data accessibility and collaboration.

Cybersecurity Services: Advanced security measures and monitoring.

Disaster Recovery and Backup: Robust backup solutions and disaster recovery plans to protect against data loss.

SUPPORT AND STRATEGY

Help Desk Support: Providing 24/7 support for healthcare staff to resolve IT issues quickly.

Telehealth Solutions: Supporting telehealth platforms to enable remote patient consultations and care.

IT Consulting and Strategy: Providing strategic IT consulting to align technology with the healthcare organization's goals.

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COMMUNICATION AND SECURITY SERVICES

Communication Services: Integrated tools ensuring seamless, secure communication within healthcare organizations.

Telehealth Platforms: Secure Tools For Remote Consultations And Patient Care.

Patient Portals: Online Access To Health Records And Appointment Management.

Secure Messaging: Encrypted Communication Between Providers And Patients.

Unified Communication Systems: Integrating Voice, Video, And Messaging For Streamlined Communication.

Emergency Notification Systems: Rapid Alerts For Staff And Patients During Emergencies.

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COMMUNICATION AND SECURITY SERVICES

Security Services: Comprehensive solutions to protect healthcare data and systems from cyber threats.

Data Encryption: Safeguarding Patient Data Through Encryption In Transit And At Rest.

Network Security: Using Firewalls And Intrusion Detection To Secure Healthcare Networks.

Access Control: Restricting Sensitive Information Access To Authorized Personnel Only.

Cybersecurity Training: Educating Staff On Preventing Cyber Threats And Breaches.

Incident Response Planning: Creating Plans To Handle And Recover From Security Incidents.

Compliance Management: Ensuring Adherence To Regulations Like HIPAA For Data Protection.

Risk Assessments: Regularly Identifying Security Risks And Vulnerabilities In IT Infrastructure.

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NURSE CALL SYSTEM

With 15 years of experience, we have been at the forefront of implementing advanced Nurse Call Systems, ensuring safety efficiency in healthcare facilities across North America.

Communication Features

- **Patient-to-Staff Communication:** Direct voice communication between patients and staff.

- **Call Buttons & Pull Cords:** Allows patients to alert nurses for assistance.

- **Mobile Notifications:** Sends alerts to nurses' mobile devices for prompt response.

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Integration and Data Management

- **EHR Integration:** Connects with EHR systems for real-time patient information.

- **RTLS:** Tracks staff and equipment locations within the facility.

- **Data Analytics:** Offers insights on response times and caregiver interactions.

Safety and Compliance

- **Fall Detection:** Alerts staff automatically if a patient falls.

- **Wander Management:** Notifies if patients with impairments leave safe areas.

- **Compliance Monitoring:** Ensures adherence to healthcare regulations.

Workflow and Efficiency

- **Automated Task Assignment:** Assigns tasks based on staff availability and location.

- **Status Boards:** Displays real-time patient and staff information.

- **Environmental Monitoring:** Monitors room conditions like temperature and humidity.

PHYSICAL SECURITY FOR HEALTHCARE

Safeguarding patients, staff, and assets with advanced access control, surveillance, and real-time monitoring, ensuring secure facilities and regulatory compliance.

Surveillance Systems

- Video Security Cameras: Monitor key areas like waiting rooms and hallways.
- Motion Sensors: Detect unauthorized movement in restricted zones.

Access Control Solutions

- Electronic Locks: Secure entrances with keycards, PINs, or biometrics
- Proximity Cards: Tap-and-go access with two-factor authentication.
- Biometric Scanners: Fingerprint or facial recognition for high-security access.

Alarm Systems

- Panic Buttons: Quickly alert security during emergencies.
- Intrusion Alarms: Notify of unauthorized access attempts.

Environmental Monitoring

- Temperature & Humidity Sensors: Ensure safe room conditions.
- Fire Alarms & Sprinkler Systems: Early detection and fire response.

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OUTSOURCED CTO SERVICE

Expert technology leadership providing strategic guidance, technical oversight, and innovative solutions.

Technology Strategy and Planning

- Developing Technology Roadmaps: Crafting strategies aligned with healthcare goals.

- Innovation Leadership: Integrating technologies to improve healthcare services.

Technical Guidance and Oversight

- Technical Architecture: Guiding system architecture and best practices.

- Software Development Oversight: Managing healthcare software implementation.

Team and Resource Management

- Team Building and Leadership: Leading and mentoring technical teams.

- Budgeting and Resource Allocation: Managing technology budgets efficiently.

Security and Compliance

- Data Security: Protecting patient data and ensuring regulatory compliance.

- Risk Management: Identifying and mitigating technical risks.

Vendor and Partnership Management

- Vendor Evaluation: Assessing and selecting tech vendors.

- Contract Negotiation: Securing favorable contracts with providers.

Performance Monitoring and Reporting

- Performance Metrics: Tracking key performance indicators.

- Reporting: Updating executives on technology progress.

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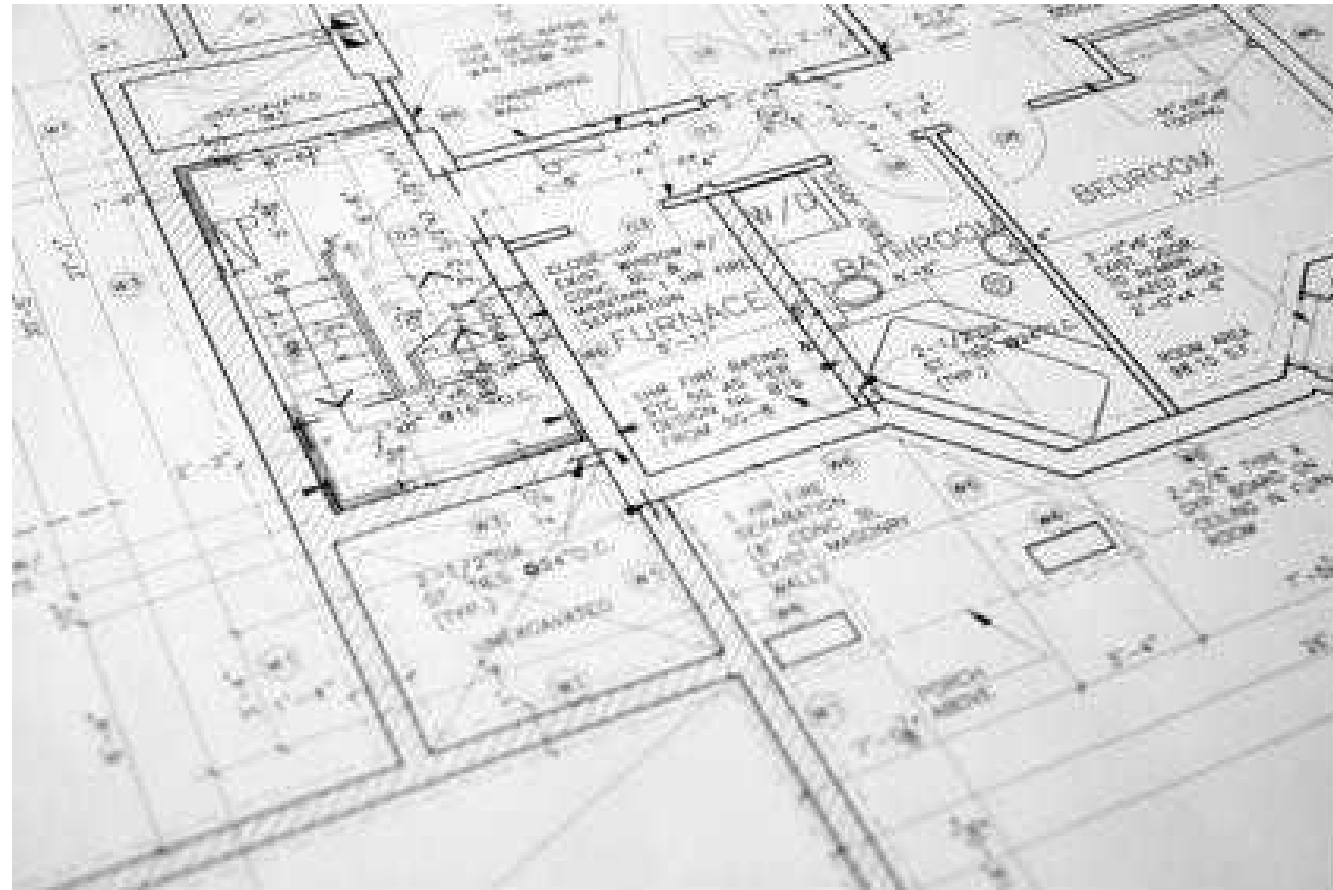
HEALTHCARE IT DESIGN

We specialize in creating secure, high-performance IT infrastructures for hospitals, Outpatient Surgery centers, Doctors offices, Dental clinics, with a deep understanding of the unique challenges and requirements of healthcare environments.

Structured Cabling & Fiber: Essential for reliable hospital infrastructure.

Commercial Wifi: Secure and robust connectivity.

Video Walls: Enhances communication in hospitals.

Firewalls & Servers: Protects and manages hospital networks.

CCTV & Access Control: Ensures security and compliance.

Audio/Video Systems: Supports healthcare operations.

SOME OF THE EMRS WE SUPPORT

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PATIENT WORKFLOW SYSTEM

Appointment Scheduling

- Online Booking: Allows patients to schedule appointments online, reducing administrative workload.

- Automated Reminders: Sends reminders via SMS, email, or phone to reduce no-shows.

- Real-Time Availability: Displays real-time availability of healthcare providers.

Patient Check-In

- Self-Service Kiosks: Enables patients to check in using kiosks, reducing wait times.

- Digital Forms: Allows patients to fill out forms electronically before their visit.

Patient Tracking

- Real-Time Status Updates: Provides real-time updates on patient status and location within the facility.

- Queue Management: Manages patient flow and reduces wait times by optimizing the queue.

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PATIENT WORKFLOW SYSTEM

Clinical Workflow Management

- Task Automation: Automates routine tasks such as lab orders and prescription refills.

- Care Coordination: Facilitates communication and coordination among healthcare providers.

Documentation and Records

- Electronic Health Records (EHR) Integration: Seamlessly integrates with EHR systems for real-time access to patient data.

- Digital Documentation: Allows for electronic documentation of patient interactions and treatments.

Communication Tools

- Secure Messaging: Enables encrypted communication between patients and healthcare providers.

- Telehealth Integration: Supports virtual consultations and remote patient monitoring.

Reporting and Analytics

- Performance Metrics: Tracks key performance indicators (KPIs) such as patient wait times and appointment durations.

- Data Analytics: Provides insights into patient flow and operational efficiency.

Compliance and Security

- HIPAA Compliance: Ensures all patient data is handled in accordance with healthcare regulations.

- Data Encryption: Protects sensitive patient information through encryption.

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Real-Time Location Tracking

IMPROVES HOSPITAL AND PATIENT WORKFLOWS

ek ✕

1 PATIENT FLOW:
PATIENT WAIT TIME TRACKING

Classify patients by appointment type and track their wait times in zones. Improve future scheduling and patient satisfaction while rewarding your most responsive caregivers.

2 TRACK PATIENTS
by zone such as waiting room, exam room, radiology and benchmark ideal wait times by appointment type.

1 PATIENTS RECEIVE
Active RFID badges when checking-in.

Alert!
ekahau

4 IMPROVE PATIENT FLOW
Improve patient flow, satisfaction and safety.

3 ALERT THE NEAREST CAREGIVER
if wait time benchmarks are about to be exceeded. Notify patients where to go next using text prompts, and visualize bottlenecks.

5 LET THEIR FAMILY KNOW
how long until they're ready... and where they are in the care process.

THE AVERAGE PATIENT WAIT TIME for an appointment in the U.S. is 20 minutes and 26 seconds.

Vitals 2012 Annual Report

WAITING BEYOND 20 MINUTES for an appointment is the tipping point for patients when they feel like their time is being wasted.

Medical Economics 2013 article

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2 PATIENT FLOW:
ELOPEMENT PREVENTION

Improve patient safety by keeping them ambulatory and visibility with a panic button on the go and searchable web-based maps.

Send alerts to their caregiver if they wander beyond safe, geo-fenced boundaries.

Alert! Patient Smith in restricted zone 245...

ekahau

UP TO
100%

PREVALENCE OF WANDERING BY AMBULATORY RESIDENTS WITH DEMENTIA in nursing homes is staggering — estimates of up to 100% have been reported.

Source: ECRI

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3 PATIENT FLOW:
IMPROVE COORDINATION AND COMMUNICATIONS BETWEEN CAREGIVERS

Coordinate patient treatment processes by notifying staff assigned to patients of their location, next procedure and wait time.

Allow caregivers to accept work orders and improve speed of admission, discharge and transport procedures.

Send mass notifications to all or some badge holders regarding patients and processes.

Message
Send

See how long caregivers are spending on average at the bedside and correlate it to patient satisfaction.

$4,167 SAVED

30% OF NURSES ON AVERAGE REPORT SPENDING AT LEAST ONE HOUR PER SHIFT SEARCHING FOR EQUIPMENT.
Assuming a $66,690 average salary, an estimated $4,167 dollars is lost per year, per nurse, on equipment searches.
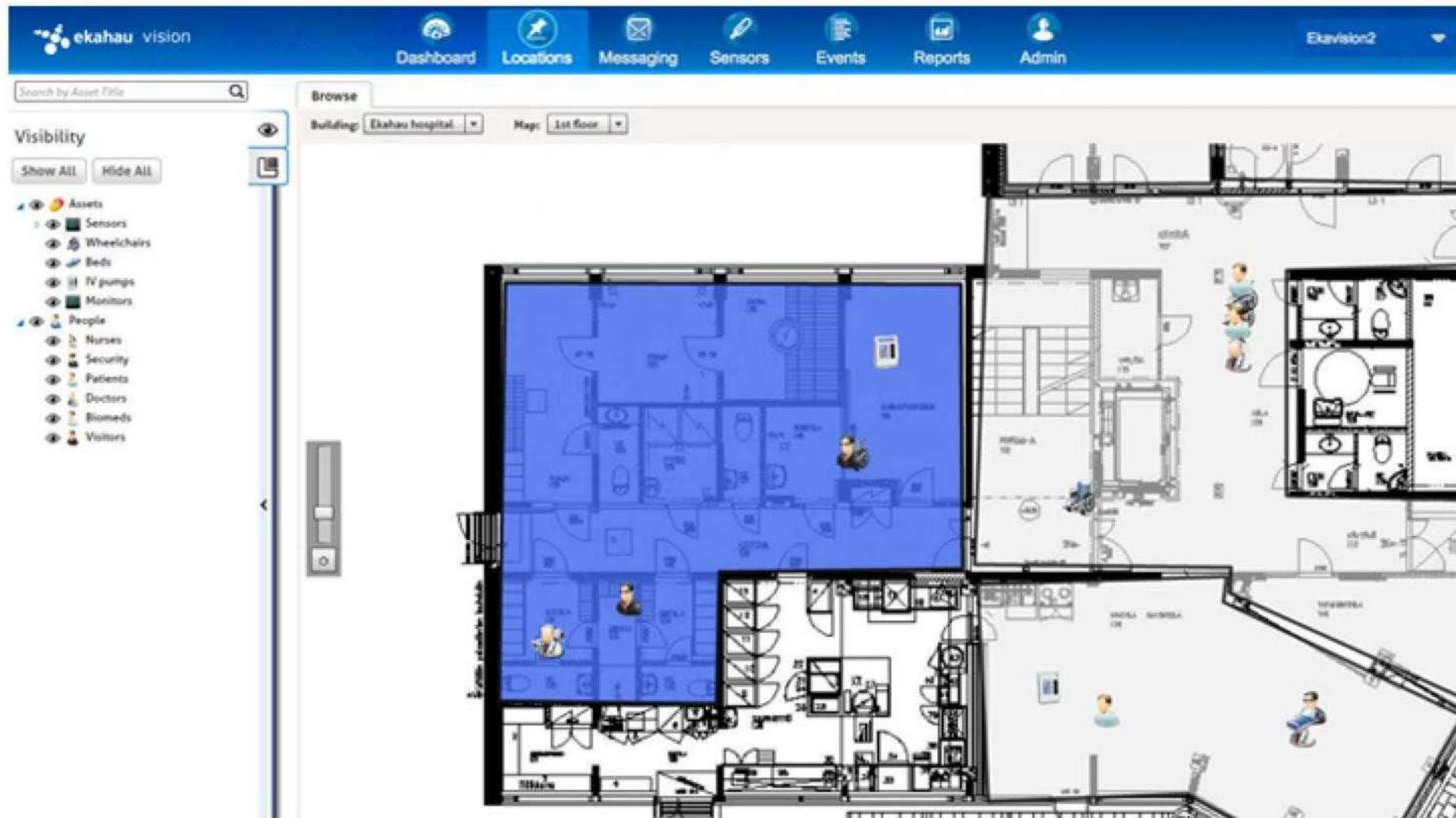
Source: Nursing Times

The Real-Time Location Systems (RTLS) market is estimated to reach $4 billion by 2022 reports Transparency Market Research.

See the big picture

ASSETS TRACKING AND WI-FI OPTIMIZATION

We specialize in asset tracking and Wi-Fi solutions for efficient equipment tracking
and seamless connectivity, enhancing patient care and service speed.

OUR MAJOR COLLABORATIONS

HEALTHCARE PARTNERSHIPS

We work with premier hospitals, delivering bespoke IT solutions that streamline operations and enhance patient outcomes.

- ☑ Lodi Endoscopy Center
- ☑ Surgery Center Of Lodi
- ☑ Surgery Center At Swedish Covenant
- ☑ Surgery Center At Robert Wood Johnson Institute

- ☑ Innovative Healthcare Physicians
- ☑ Pal Dental Clinic
- ☑ Maine Eye Center
- ☑ Surgery Center Of Anchorage

- ☑ Robertwood Johnson Endo Surgical
- ☑ Ft. Myers Surgery Center
- ☑ Swedish Covenant Hospital
- ☑ Surgery Center Of Reno
- ☑ University Of Chicago Hospitals
- ☑ Enhanced MRI Kenosha
- ☑ Enhanced MRI Elgin
- ☑ Enhanced MRI Racine
- ☑ Enhanced MRI Madison

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OUR COMMITMENT TO SUSTAINABLE IT PRACTICES IN HEALTHCARE

As part of our commitment to innovation, we are exploring sustainable IT practices that can enhance both healthcare efficiency and environmental responsibility. Our goal is to integrate eco-friendly initiatives that reduce our carbon footprint and improve operational sustainability.

Future Initiatives in Energy Efficiency: Planning to implement energy-efficient hardware and optimize IT infrastructure to reduce power consumption.

**Exploring Virtualization & Cloud Solutions:** Assessing opportunities to adopt virtualization and cloud technologies to decrease reliance on physical servers.

E-Waste Management Plans: Committing to establishing e-waste recycling and repurposing programs for outdated equipment.

Paperless Workflow Goals: Aiming to introduce digital record-keeping and processes to reduce paper usage.
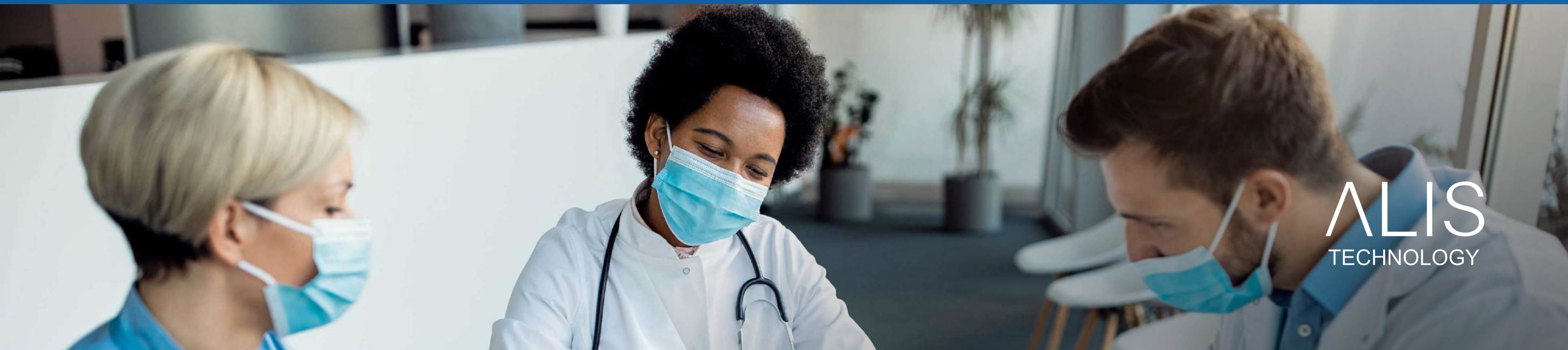
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Comprehensive IT and Infrastructure Implementation for Outpatient Surgery Center

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BACKGROUND

The outpatient surgery center, located in Chicago, aimed to enhance its operational efficiency and patient care through the integration of advanced IT systems and infrastructure. The project involved IT design, low voltage cabling, audio-video systems, door access systems, secure Wi-Fi, network installation, server installation, secure email setup, computer setup, and helpdesk services.

OBJECTIVES

- **Improve operational efficiency** through seamless integration of IT systems.
- **Enhance patient care** with reliable and secure technology.
- **Ensure data security** and compliance with healthcare regulations.
- **Provide robust support** for staff and patients through a dedicated helpdesk.

PROJECT SCOPE

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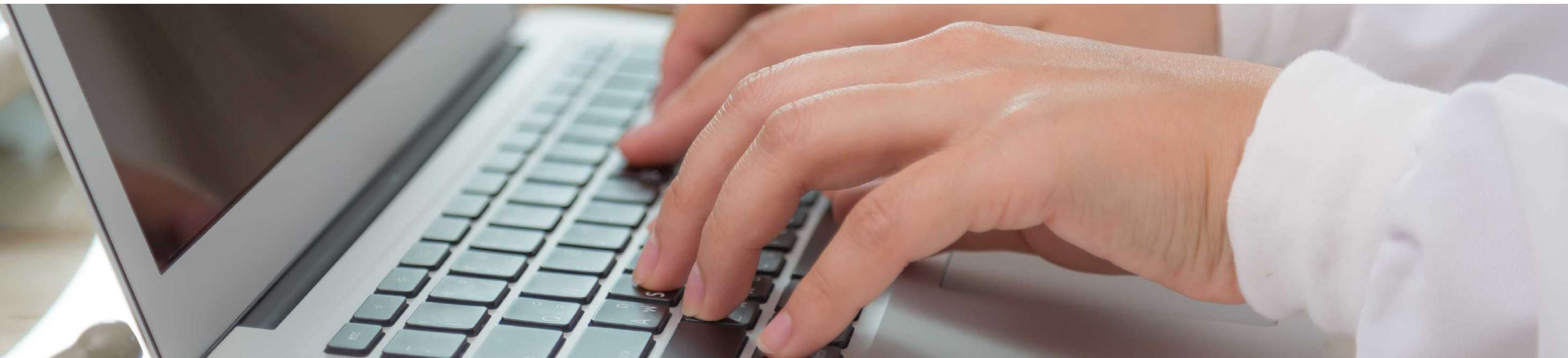
IT Design and Planning

- Conducted a comprehensive needs assessment.
- Developed a detailed IT infrastructure plan.
- Coordinated with stakeholders to ensure alignment with operational goals.

Low Voltage Cabling

- Installed structured cabling to support data, voice, and video communications.
- Ensured compliance with industry standards for safety and performance.

Audio-Video Systems

- Implemented state-of-the-art audio-video systems for patient rooms and conference areas.
- Integrated video conferencing capabilities for remote consultations and meetings.

Door Access Systems

- Installed secure door access systems to control entry to sensitive areas.
- Implemented keycard and biometric access for enhanced security.

Secure Wi-Fi

- Deployed a secure and high-speed Wi-Fi network throughout the facility.
- Ensured patient and staff access to reliable internet connectivity.

Network Installation

- Set up a robust network infrastructure to support all IT systems.
- Configured network switches, routers, and firewalls for optimal performance and security.

Server Installation

- Installed and configured servers to handle data storage, applications, and backups.
- Implemented redundancy and failover mechanisms to ensure uptime.

Secure Email Setup

- Established a secure email system for staff communication.
- Implemented encryption and anti-phishing measures to protect sensitive information.

Computer Setup

- Deployed workstations and laptops for staff use.
- Configured software and applications necessary for daily operations.

Helpdesk Services

- Set up a dedicated helpdesk to provide technical support to staff and patients.
- Implemented a ticketing system to track and resolve issues efficiently.

IMPLEMENTATION

The project was executed in phases to minimize disruption to the center's operations. Each phase was meticulously planned and executed, with regular updates provided to stakeholders. The implementation team worked closely with the center's staff to ensure a smooth transition and provide training on new systems.

RESULTS

Enhanced Efficiency: The Integration Of Advanced IT Systems Streamlined Operations And Reduced Manual Processes.

Improved Patient Care: Reliable Technology Ensured That Patients Received Timely And High-Quality Care.

Increased Security: Robust Security Measures Protected Sensitive Data And Controlled Access To Critical Areas.

Staff Satisfaction: The Helpdesk Provided Prompt Support, Reducing Downtime And Improving Staff Productivity.

SUCCESSFUL OUTCOMES

1 **Reduced Patient Wait Times**

- Outcome: The integration of efficient scheduling and patient management systems reduced patient wait times by 30%.
- Impact: Improved patient satisfaction and streamlined clinic operations.

2 **Enhanced Data Security**

- Outcome: Implementation of secure email and data encryption protocols resulted in zero data breaches since the system went live.
- Impact: Ensured compliance with healthcare regulations and protected patient information.

3 **Increased Staff Productivity**

- Outcome: The new helpdesk system resolved 95% of technical issues within the first hour of reporting.
- Impact: Minimized downtime and allowed staff to focus more on patient care.

SUCCESSFUL OUTCOMES

④ Improved Communication

- Outcome: The audio-video systems enabled seamless communication between departments and facilitated remote consultations.
- Impact: Enhanced collaboration among healthcare providers and improved patient outcomes.

⑤ Operational Efficiency

- Outcome: The robust network and server infrastructure supported uninterrupted operations, even during peak hours.
- Impact: Ensured that all critical systems were always available, enhancing overall efficiency.

⑥ Patient Satisfaction

- Outcome: Secure Wi-Fi access and modern facilities contributed to a 20% increase in patient satisfaction scores.
- Impact: Positive patient experiences led to higher retention rates and more referrals.

These outcomes highlight the significant improvements in efficiency, security, and patient care achieved through the comprehensive IT and infrastructure implementation. If you need more detailed examples or have any other questions, feel free to ask!

CONCLUSION

The comprehensive IT and infrastructure implementation significantly improved the outpatient surgery center's operational efficiency, patient care, and data security. The project demonstrated the importance of integrating advanced technology in healthcare settings to achieve better outcomes.

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