

HEALTHCARE

# Smart Technology for Safer, Connected Hospitals.

A complete technology partner for hospitals, clinics and healthcare campuses

PATIENT SAFETY

SECURITY

NETWORKING


















CLINICAL UPTIME

IT INFRASTRUCTURE



iditri.co

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WELCOME

# Technology That Works as Hard as You Do

Modern hospitals run around the clock, balancing patient safety, clinical uptime and strict compliance — all while protecting sensitive patient data and managing constant footfall. ITSPS brings 25+ years of technology experience to healthcare, delivering reliable, integrated systems that let clinicians focus on patients and administrators run a calm, secure facility.

In this guide you will find detailed information on every solution we offer for hospitals and healthcare campuses — from clinical Wi-Fi and CCTV to nurse call, queue management and data backup. Each solution is described with the specific options and variants we deploy, so you can identify exactly what fits your facility.

We invite you to explore, and we look forward to a conversation about your hospital.

**25+**

Years of Technology  
Experience

**12**

Integrated Solutions  
for Your Hospital

**3**

Regional Offices  
Mumbai · Goa · Surat



## The ITSPS Team

Iditri Techno Solutions Pvt Ltd





# The Challenges Facing Today's Hospitals

## Patient Safety Risks

Unmonitored entrances, blind-spot corridors and slow alerting in wards delay response when minutes matter, putting patients and staff at risk.

## Clinical Downtime

Patchy Wi-Fi and overloaded networks disrupt EMR access, diagnostic systems and bedside devices, stalling care in busy wards and ICUs.

## Data & Compliance Pressure

Patient records, lab data and billing systems are prime targets for ransomware — and weak safeguards expose the hospital to privacy and compliance failures.

## Crowded, Manual Processes

Paper queues, manual visitor logs and verbal announcements create congestion at OPD, billing and pharmacy, frustrating patients and staff alike.

## Ageing Infrastructure

Legacy nurse-call wiring, outdated servers and unsupported hardware fail without warning, and spares are increasingly hard to source.

## Stretched IT & Biomedical Teams

With small in-house teams covering a 24x7 site, faults linger, systems go unpatched and there is no single partner accountable for technology.



# 01 Hospital Networking & Wi-Fi

A resilient structured-cabling backbone and enterprise-grade wireless network that carries EMR, diagnostics, bedside devices and administration — with redundancy and quality-of-service controls so clinical systems never wait.

## WHAT WE DELIVER

### ✓ Structured Cabling

Cat6A and fibre backbone with tidy, labelled cable management and future-ready capacity across wards, OTs, labs and admin blocks.

### ✓ Managed Switching

PoE switches with VLAN segmentation that separate clinical, medical-device, guest and CCTV traffic for performance and safety.

### ✓ Bandwidth & QoS

Quality-of-service policies that prioritise EMR and imaging traffic, plus controlled, separate bandwidth for patient and visitor guest Wi-Fi.

### ✓ Clinical-Grade Wi-Fi

High-density access points with seamless roaming, so doctors, nurses and devices stay connected moving bed to bed and floor to floor.

### ✓ Network Redundancy

Redundant uplinks and core switching with failover, so a single fault never takes EMR or diagnostics offline.

### ✓ Centralised Management

A single controller and monitoring console giving real-time visibility of every access point and switch across the campus.

## BRANDS WE DEPLOY



# 02 CCTV & Surveillance

Complete visual coverage of entrances, corridors, wards, pharmacy and high-risk areas — with sharp recording and quick retrieval that supports patient safety, security and incident review.

## WHAT WE DELIVER

### ✓ IP Camera Systems

High-resolution dome and bullet cameras covering entrances, corridors, waiting areas and parking with clear day-and-night images.

### ✓ Sensitive-Area Coverage

Targeted cameras for pharmacy, stores, cash counters, newborn and ICU corridors where monitoring matters most.

### ✓ Network Video Recorders

Reliable NVRs with sized storage for the retention period your policy and authorities require.

### ✓ Centralised Monitoring

A security control room with video walls and multi-site viewing so the whole campus is watched from one place.

### ✓ Smart Video Analytics

Motion alerts, line-crossing and loitering detection that flag unusual activity instead of waiting for a manual review.

### ✓ Remote & Mobile Access

Secure live and recorded footage on authorised phones and laptops for administrators and security leads on the move.

#### BRANDS WE DEPLOY





## 03 Nurse Call Systems

Dependable wireless bedside-to-station communication that lets patients summon help instantly and routes every call to the right nurse. Because the system is fully wireless, it installs quickly with no cabling or wall-chasing — ideal for both new wards and existing buildings.

### WHAT WE DELIVER

#### ✓ Wireless Call Buttons

Easy-reach call buttons at every bed, wireless so there is no cabling or disruptive wall-chasing. Different button shapes and colours suit patients, bedside and staff-assist use.

#### ✓ Waterproof Bathroom Buttons

Sealed, water-resistant call buttons for patient toilets and bathrooms — the highest fall-risk areas — easy to use, including for elderly and differently-abled patients.

#### ✓ Nurse Station Display

A central indicator board at the nurse station showing the exact bed or ward number calling, with a clear audible alert, so no call is missed.

#### ✓ Corridor Indicator Lamps

Lamps above ward doorways that light on a call to guide staff straight to the room. They can also act as a backup receiver and signal waiting patients when a doctor is ready.

#### ✓ Staff Pagers

Wrist or belt pagers that vibrate and sound on a call and show the calling location, so the right nurse is reached even away from the station — one call can alert several pagers at once.

#### ✓ Call Logging Software

PC software that records every call time, location and response time and exports to Excel, supporting ward audits and staffing decisions. Signal repeaters extend coverage across large wards.

#### BRANDS WE DEPLOY

Solt

 MATRIX  
TELECOMMUNICATIONS SECURITY

legrand

Honeywell

 BOSCH  
Security Systems

# 04 Access Control & Visitor Management

Controlled movement through a busy 24x7 site — protecting ICUs, OTs, pharmacy, records and newborn areas while keeping visitors logged, badged and accounted for.

## WHAT WE DELIVER

### ✓ Restricted-Area Access

Card or biometric readers on OTs, ICUs, pharmacy, blood bank and records rooms so only authorised staff enter.

### ✓ Staff & Contractor Passes

Role-based credentials with time and zone rules, easily issued and instantly revoked when staff or vendors change.

### ✓ Door Controllers & Locks

Electromagnetic locks, controllers and exit devices integrated with fire alarm for safe, code-compliant egress.

### ✓ Visitor Management

Quick visitor registration with photo capture and printed passes, replacing slow, illegible paper logbooks.

### ✓ Newborn / Infant Protection

Tag-based monitoring for maternity and nursery areas that alerts staff if an infant tag nears an exit.

### ✓ Audit Trails

A complete searchable record of who entered which area and when — essential for safety reviews and compliance.

## BRANDS WE DEPLOY

**MATRIX**  
TELECOM | SECURITY

**ZKTeco**

**eSSL**  
Security of People

**Suprema**  
SECURITY & BIOMETRICS

**BioMax**  
Patent Pending, Non-Invasive

**Honeywell**



## 05 Firewall & Network Security

Layered defence for patient data and clinical systems — protecting EMR, billing and connected medical devices from ransomware, intrusion and downtime, and supporting your compliance obligations.

### WHAT WE DELIVER

#### ✓ Next-Gen Firewall

Enterprise firewalls with intrusion prevention and deep inspection guarding the boundary between the hospital and the internet.

#### ✓ Secure Remote Access

Encrypted VPN access for visiting consultants, vendors and off-site administrators — convenience without exposure.

#### ✓ Endpoint Protection

Managed anti-malware across servers, workstations and reception PCs, centrally monitored and kept up to date.

#### ✓ Network Segmentation

Clinical, medical-device, admin and guest networks kept separate so a threat in one cannot spread to patient care systems.

#### ✓ Content & Web Filtering

Policy-based filtering that blocks malicious and inappropriate sites and reduces the risk of staff-clicked threats.

#### ✓ Patch & Threat Management

Regular patching, firmware updates and threat monitoring that close known gaps before they are exploited.

#### BRANDS WE DEPLOY

**FOR**TINET

**cisco**

**SOPHOS**

**SONICWALL**

**paloalto**  
networks

**JUNIPER**  
networks

# 06

## PA & Emergency Communication

Clear, zone-wise voice communication across the whole hospital — for routine announcements, code calls and orderly evacuation, integrated with fire detection so the right message reaches the right area instantly.

### WHAT WE DELIVER

#### ✓ Zoned PA System

Amplifiers and ceiling speakers grouped by floor and block, so messages reach a single ward or the whole campus as needed.

#### ✓ Fire Alarm Integration

Automatic evacuation messaging the instant the fire panel triggers — detection and instruction acting as one system.

#### ✓ Background Music & Paging

Calm background audio in waiting areas with priority override for paging and announcements.

#### ✓ Emergency Code Announcements

Pre-recorded and live broadcasts for medical and fire codes, delivered clearly above ambient ward noise.

#### ✓ Talkback Intercoms

Two-way intercom points linking key wards, reception and the security room for fast coordination.

#### ✓ Battery Backup

Standby power so announcements and evacuation messages keep working through a mains failure.

### BRANDS WE DEPLOY



# 07 Servers, Storage & Data Backup

A solid data foundation for the hospital — running EMR, PACS imaging and billing on robust servers, with protected storage and tested backups that keep patient records safe and recoverable.

## WHAT WE DELIVER

### ✓ Hospital Servers

Right-sized physical or virtualised servers for EMR, HIS, PACS and administrative applications.

### ✓ Automated Backup

Scheduled backups of clinical and financial data, removing reliance on manual, easily-forgotten copies.

### ✓ Server Room Power

UPS and power conditioning that protect critical hardware through surges, sags and outages.

### ✓ Centralised Storage

NAS and SAN storage with capacity planned for growing imaging and record archives.

### ✓ Disaster Recovery

Off-site or replicated copies and a recovery plan so the hospital can restore quickly after a failure or attack.

### ✓ Virtualisation

Consolidated workloads that cut hardware count, simplify management and ease future expansion.

## BRANDS WE DEPLOY



# 08 Fire Alarm Systems

Early, reliable detection of fire across a sensitive clinical environment — addressable panels, the right detectors for each area and automatic links to PA and evacuation so response is fast and orderly.

## WHAT WE DELIVER

### ✓ Addressable Fire Panels

Loop-based panels that pinpoint the exact device in alarm, so teams go straight to the location.

### ✓ Manual Call Points & Sounders

Break-glass call points and sounders placed so an alarm can be raised — and heard — everywhere on site.

### ✓ Suppression Monitoring

Monitoring interfaces for clean-agent and sprinkler systems protecting server rooms and records.

### ✓ Smoke & Heat Detectors

Optical smoke, heat and multi-sensor detectors matched to wards, OTs, kitchens and plant rooms to keep false alarms low.

### ✓ PA & Evacuation Integration

Automatic, zone-wise evacuation messaging the moment the panel triggers.

### ✓ Compliance Support

Installation and documentation aligned to fire-safety norms, supporting inspections and renewals.

## BRANDS WE DEPLOY

Honeywell

BOSCH  
Security Systems

legrand®

Schneider  
Electric

AGNi

DSC



09

## Queue Management & Digital Signage

Calm, organised patient flow — token-based queuing at OPD, billing and pharmacy, with clear digital displays for wayfinding and information that reduce crowding and confusion.

### WHAT WE DELIVER

#### ✓ Token & Queue System

Ticket dispensers and counter displays that turn crowded counters into an orderly, fair queue.

#### ✓ Counter Call Displays

Per-counter screens and audio that call the next token clearly so patients know exactly where to go.

#### ✓ Wayfinding Signage

Directory and directional displays that guide patients and visitors to departments without repeated enquiries.

#### ✓ Department Displays

Screens at OPD and wards showing doctor availability, schedules and waiting information.

#### ✓ Information & Health Messaging

Public displays for health awareness, hospital notices and announcements in waiting areas.

#### ✓ Centralised Content Control

A single console to schedule and update content across every screen in the hospital.

BRANDS WE DEPLOY

SAMSUNG

LG

benQ

ViewSonic

Optoma

EPSON

# 10 Cloud & Email

Professional, secure communication and collaboration for hospital administration — reliable email, document sharing and cloud services that keep teams coordinated and information protected.

## WHAT WE DELIVER

### ✓ Business Email

Professional mailboxes on a hospital domain for doctors, departments and administration — reliable and credible.

### ✓ Cloud Productivity

Microsoft 365 or Google Workspace for documents, scheduling and shared calendars across departments.

### ✓ Email Security

Spam, phishing and malware filtering that protects staff from the most common entry point for attacks.

### ✓ Cloud Backup

Backup of mailboxes and key documents so administrative data survives device loss or error.

### ✓ Secure File Sharing

Controlled sharing of reports and documents with the right access permissions for each role.

### ✓ Migration & Support

Smooth migration from legacy or personal email, with onboarding and ongoing support for staff.

## BRANDS WE DEPLOY



11

## Telemedicine & Video Infrastructure

The connectivity and room technology behind remote consultations and clinical collaboration — letting the hospital reach patients and specialists wherever they are, with clear audio and video.

### WHAT WE DELIVER

#### ✓ Consultation Room Setup

Cameras, microphones and displays configured for clear doctor-to-patient video consultations.

#### ✓ Conference Room AV

Professional audio-visual systems for boardrooms, training rooms and clinical meetings.

#### ✓ Secure Video Platforms

Setup and integration of video platforms with privacy-respecting access controls.

#### ✓ Tele-ICU & Specialist Links

Reliable video links that connect specialists to remote ICUs and partner facilities.

#### ✓ Bandwidth Provisioning

Dedicated, prioritised bandwidth so consultations stay smooth even when the network is busy.

#### ✓ Display & Recording

Large-format displays and optional recording for case review, second opinions and training.

#### BRANDS WE DEPLOY

logitech

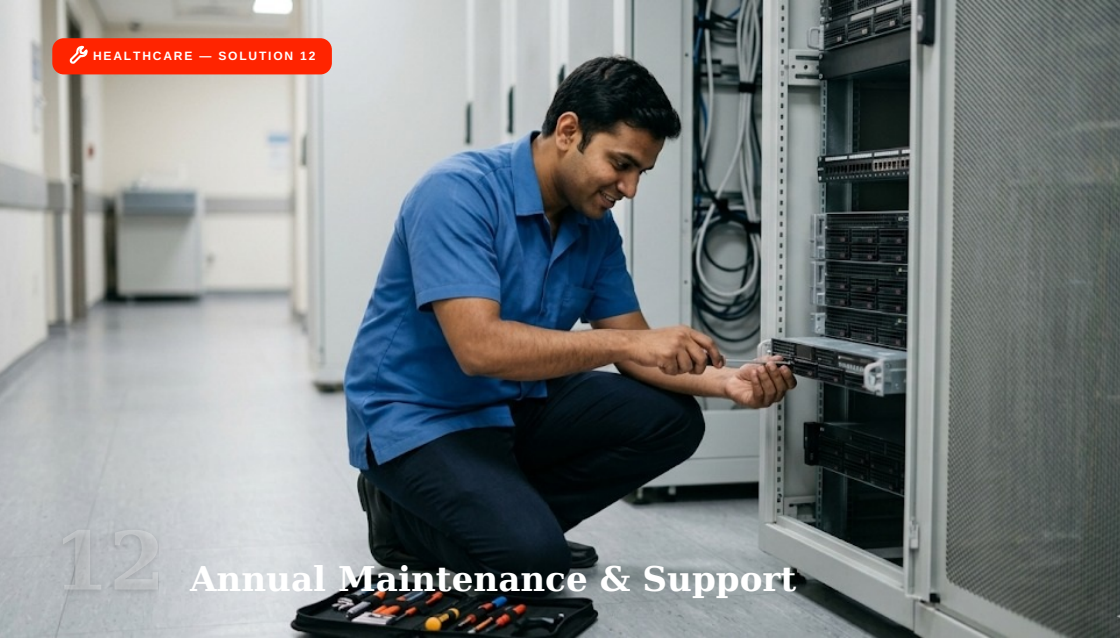
poly

cisco

benq

ViewSonic

SAMSUNG



# 12 Annual Maintenance & Support

A single accountable partner for every system in this brochure — proactive upkeep, fast response and clear documentation that keep a 24x7 hospital running without surprises.

## WHAT WE DELIVER

### ✓ Preventive Visits

Scheduled health checks across wards, OTs, server rooms and public areas, planned around clinical schedules to avoid disruption.

### ✓ Priority Response

Guaranteed response times for faults on critical clinical systems, with the fastest action where patient care is affected.

### ✓ Remote Monitoring

Round-the-clock remote visibility of networks, servers and security systems, catching issues before they reach the wards.

### ✓ Critical Spares

Key spares for clinical and security systems held ready, so a failed unit is swapped out quickly with minimal downtime.

### ✓ System Documentation

Up-to-date drawings, asset registers and maintenance logs for every installed system — ready for audits and inspections.

### ✓ Trained Engineers

A dedicated team that knows your hospital, supported by a clear escalation path from site engineer to senior management.

## BRANDS WE DEPLOY





## What Hospitals Achieve with ITSP

### **Safer Patients**

End-to-end surveillance, access control and nurse call covering every ward, entrance and high-risk area with no blind spots

### **Clinical Uptime**

Redundant networking and automated backup keep EMR, imaging and bedside systems running around the clock

### **Calmer Patient Flow**

Token queuing and digital signage cut crowding at OPD, billing and pharmacy and free up staff time

### **One Trusted Partner**

A single point of accountability for all hospital technology — from design and supply through to 24x7 support

# Why ITSPL?



## 25+ Years

Decades of hands-on experience deploying technology in Indian industry

## End-to-End

Design, supply, installation, integration and ongoing support — one partner

## Multi-Sector

Deep expertise across manufacturing, education, healthcare, retail and more

## Local Presence

Offices in Mumbai, Goa and Surat; fast on-site response wherever you are

## TECHNOLOGY BRANDS WE DEPLOY



# Let's build the right technology for **your hospital.**



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