# iBUS
Digital. Infrastructure. Solutions.

# Living Networks

## Connecting Everyone, Everything & Everywhere

### An Infratech platform offering a one-stop solution to tackle multiple digital connectivity challenges in enterprise spaces

**iBUS Living Networks** breathes life into large commercial spaces offering unified, protocol-agnostic infrastructure. We bring together mobile, Wi-Fi and IoT solutions under one robust platform. Eliminate the complexity of fragmented systems and turn commercial buildings into fully connected hubs where all systems operate harmoniously. This convergence simplifies operations, maximizes network efficiency, reduces costs and ensures seamless connectivity.

## iBUS at a Glance

**7000+**
Unique sites supported, covering diverse industries & requirements

upto
**30%**
reduction in operational costs through optimized network management

**95%**
coverage across major commercial spaces

**99.9%**
Uptime, ensuring unparalleled reliability

## Our Integrated Infratech Solutions breathe life into buildings

**Integrated solutions**
that grow with your digital needs

iBUS serves as the single window, ensuring your real estate is hyper-connected through a comprehensive suite of solutions

# Mobility Solutions

Connecting your world with future-ready mobility solutions—**seamless, scalable, and 5G-ready**

## DAS for Seamless Mobile Connectivity

- Enhances in-building voice and data coverage for uninterrupted service in high-traffic environments like malls, hospitals, hotels, education campuses, and tech parks.

- Neutral-host model, compatible with all major telecom operators, ensuring broad coverage.

- Eliminates dead zones, delivering consistent signal strength in areas like basements, elevators, and parking lots.

- With IBWave software, we custom design solutions for every project, while maintaining the aesthetics.

- Scalable with 5G ready infrastructure integrating the existing network.

## Fiber Integration for High-Speed Data

- Our infrastructure supports all enterprise-based services such as ILL, MPLS, VPN, P2P, broadband, and Wi-Fi.

- It also allows for the integration of CCTV, VDP, access control, and IP-based BMS services

- Supports multiple ISPs, delivering flexible and scalable high-speed connectivity solutions.

- Ultra-fast data transfers using GPON technology, critical for high-end devices and large-scale operations.

- Reduces latency, enabling seamless real-time collaboration, video conferencing, and cloud-based applications.

Fragmented Systems to Seamless Connectivity

Dead Zones to Full Coverage

High Costs to Cost-Effective Operations

# Managed Wi-Fi and Screen Casting Services

Elevate your customer experience with secure Wi-Fi and personalized entertainment.

## High-Speed, Secure Wi-Fi

- As a Class A ISP, we ensure consistent performance and reliability across diverse environments - hotels, enterprises, malls etc.

- With custom access policies and user roles management, we provide secure and customized Wi-Fi solutions.

- Cloud-based solutions offer centralized control and management, providing full visibility into network health.

- 24/7 proactive network monitoring ensures minimal downtime with real-time issue resolution.

- Built-in analytics tools for deeper network insights and performance tracking.

## GRE (Guest Room Entertainment)

- Integrates screen casting services that allow guests to wirelessly stream content from their devices (Netflix, YouTube, Prime Video) to larger in-room displays.

- Personalized entertainment options tailored to guest preferences, offering a seamless, tech-rich in-room experience.

- Unified TV channel management enables hotels to streamline and manage guest room content.

- Central PMS integration, allowing management to deliver personalized offers and messages.

- Supports multiple concurrent devices, ensuring a smooth experience even during peak usage times.

## Advanced Security Features

- 802.1X policy-based authentication ensures secure access for users and devices, safeguarding your network from unauthorized access.

- Built-in encryption protocols and robust digital access controls keep sensitive data secure, compliant with industry standards.

- One-time secure login setup.

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**Market Leader**
Foremost managed Wi-Fi services partner in hospitality

**8 Countries**
Gobal presence across USA, UK, UAE, Maldives,Indonesia, Thailand, India and Sri Lanka

**Class A ISP**
Benefit from superior bandwidth planning & distribution

**40+ Years**
Partnering with top players across industries

# iBOS: Intelligent Building Operating Systems

Your Partner in Transforming Operational Efficiency with Advanced IoT Solutions

## Consultative, Data-Driven Approach

- Based on our i-Siddhi framework, a holistic approach to building optimization, data from various building systems is analyzed using AI to identify inefficiencies and transform insights into actionable optimization strategies.

- Solutions are tailored to each building's unique needs, ensuring maximum energy savings and operational improvements.

- Proven to deliver a return on investment in 12 - 15 months, while enhancing overall efficiency and reducing costs.

- 850+ data points tracked per minute

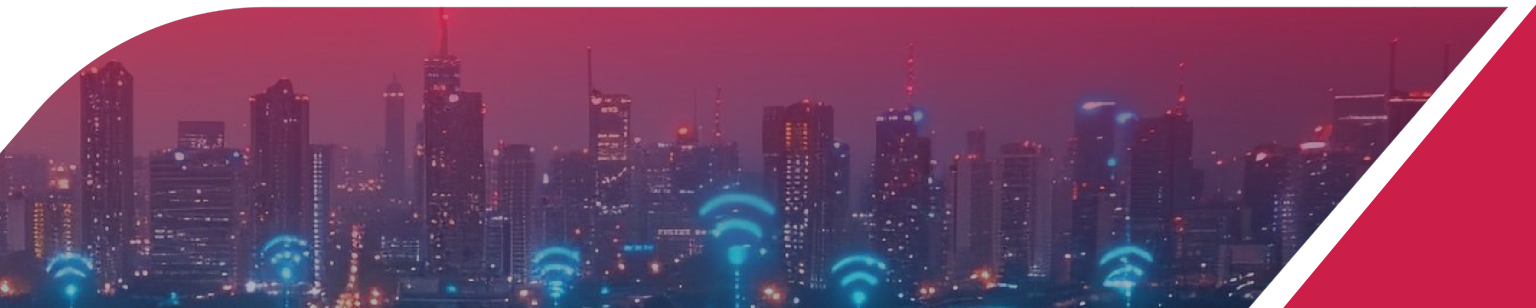| | |
|---|---|
| **7X** ROI with a payback period of 12-15 months. | **5M** 5+ Million Tons $TCO_2$ reduced per year. |
| **30%** Achieve up to thirty percent energy savings. | **2.8M** Million tons of $CO_2$ reduce in one year. |

## Energy Monitoring & Optimization

- Continuously tracks and analyzes energy consumption in real-time, allowing for informed decision-making and significant improvements in energy efficiency.

- Centralized control of HVAC systems uses AI to automatically adjust settings based on occupancy and environmental conditions, leading to up to 30% energy savings.

- Custom automation logic is designed to optimize energy use, reduce operational costs, and enhance overall building performance.

## Environment Management & Optimization

- Monitors CO2, humidity, and particulate matter levels in real-time, ensuring air quality is consistently maintained below AQI 50 in high-traffic areas.

- Automated ventilation systems respond instantly to changes in air quality, maintaining a healthy environment in places like hospitals and hotels.

- Improves both environmental sustainability and operational efficiency by reducing the building's carbon footprint.

## Benefits

**Unified Platform**
Seamlessly integrates mobile, Wi-Fi, and IoT, eliminating the need for multiple infrastructures

**Cost Efficiency**
Reduces operational costs through centralized management, lowering both CAPEX and OPEX

**Real-Time Management**
Provides real-time monitoring and control over every connected system, enhancing operational performance and response time

**Future-Proof Infrastructure**
Supports existing 4G networks while being fully ready for 5G and IoT expansions

**Scalability**
Ability to scale solutions on existing and new infrastructure

## Transforming fragmented systems into unified, seamless connectivity across any space

**Smart IT Park**
Eliminated dead zones, Seamless internet connectivity with FTTH/X & GPON, up to 30% energy savings with IoT driven EMS

**Mall**
Uninterrupted mobile signal, with 4G/5G data connectivity, secure high-speed Wi-Fi, improved footfall and air quality with iBOS

**Office Building**
Consistent mobile connectivity, high-speed internet, better air quality

**Hospital**
iBOS for HVAC optimization and air quality, secure Wi-Fi, better mobile coverage, enhanced patient care

**Luxury Hotel**
Strong mobile signal, secure Wi-Fi with 802.1X authentication, GRE for enhanced guest experience, iBOS for HVAC optimization and ESG monitoring

**DAS**
for seamless mobile coverage

**GPON**
for high-speed internet

**Managed Wi-Fi**
for secure connections

**iBOS**
for HVAC optimization, air quality and energy management

## Hospitality

TAJ | ITC Limited | HYATT | Oberoi HOTELS & RESORT | IHG HOTELS & RESORTS | ACCOR | THE LALIT | Hilton | THE RAINTREE HOTELS

Fedfox | GINGER | Marriott HOTELS · RESORTS · SUITES | ASCOTT | WYNDHAM HOTELS & RESORTS | ROYAL ORCHID HOTELS | RADISSON HOTELS

## Enterprise

school of advanced studies | SRM INSTITUTE OF SCIENCE & TECHNOLOGY | SIMS SRM INSTITUTES FOR MEDICAL SCIENCE | HYUNDAI | SMARTWORKS

BRIGADE | Believers Church Medical College Hospital | nexus MALLS | zolo | Sri Ramakrishna Multi-Speciality Hospital | PHOENIX MARKETCITY

## Retail

THIRD WAVE COFFEE | PVR | BURGER KING | Starbucks | M&S | RADO SWITZERLAND | TISSOT | McDonald's | SAMSUNG

Apple | xiaomi | Reliance Industries Limited | TATA CONSUMER PRODUCTS | Hamleys | INOX LIVE the Movie | Pizza Hut | MONTBLANC | ONEPLUS

## Educational Institutions

SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH | MELMARUVATHUR ADHIPARASAKTHI INSTITUTE OF MEDICAL SCIENCES AND RESEARCH | AMITY UNIVERSITY PUNJAB | srivenkateshwaraa Medical College Hospital & Research Centre | MANIPAL ACADEMY of HIGHER EDUCATION

PANIMALAR MEDICAL COLLEGE HOSPITAL & RESEARCH INSTITUTE | MES MEDICAL COLLEGE | GURU NANAK DEV UNIVERSITY | Birla Institute of Technology, Extension Center, Patna | Chettinad Academy of Research and Education

iBUS Network & Infrastructure Pvt Ltd is a leading infratech platform provider and a specialist in deploying and operating seamless neutral cellular and Wi-Fi connectivity in large commercial real estate such as IT parks, airports, hospitals, government institutions, hotels, malls, and education campuses. With 7000+ unique sites, covering over 550 million sq.feet of tenanted area across 40+ cities in India, iBUS is a pioneer in leading the 5G convergence landscape to build interoperable infrastructure for digital connectivity. The company also offers IoT solutions with Intelligent Building Operating System (iBOS), which enables building owners and operators across diverse industries—including hospitality, commercial real estate, malls, healthcare, and data centers—to improve operational efficiency and enhance energy efficiency.

## For more information

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**the brochure, scan here**