Integral Systems™

Corporate Profile

Integral Systems™

Table of contents

CEO's Message

Dear Customers and our Valued Partners,

At Integral Systems, our core focus lies in crafting tailored solutions that harness the potential of AI (Artificial Intelligence) and IoT (Internet of Things).

Our goal is to drive cost efficiencies, enhance operational productivity, and optimize energy consumption for our clientele. We empower our customers by providing smart solutions in both residential and commercial spaces. Our specialized proficiency extends to improving security and surveillance frameworks, employing advanced AI-driven analytics on CCTV footage to ensure unmatched safety across various premises. Leveraging data, we deploy Business Intelligence (BI) insights through intuitive dashboards, equipping leaders and decision-makers with analytical overviews like never before.

Working with leading organizations, Integral Systems pioneers AI and IoT-based solutions that redefine industry standards by seamlessly integrating smart technologies to improve organizational operations. As we embark on this transformative journey, we extend a warm invitation for you to join us in shaping a brighter, more sustainable, and more secure future.

Your continued support and trust in Integral Systems have been instrumental in our journey thus far. Together, we have the power to inspire and lead change that truly matters.

Faisal Abbasi
CEO - **Integral** Systems

About Us

At **Integral** Systems, our core focus lies in crafting tailored solutions that harness the potential of AI (Artificial Intelligence) and IoT (Internet of Things). Our goal is to drive cost efficiencies, enhance operational productivity, and optimize energy consumption for our clientele.

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Leveraging data, we deploy Business Intelligence insights through intuitive dashboards, equipping leaders and decision-makers with analytical overviews like never before. Working with leading organizations, Integral Systems pioneers AI and IoT-based solutions that redefine industry standards by seamlessly integrating smart technologies to improve organizational operations.

With our dedicated team, we also deliver Structured Cabling Solutions in buildings- enabling CCTV, high-speed Internet, IPTV, and Voice Services via telecom operators.

Vision & Mission

Vision

To lead in the AIoT (Artificial Intelligence of Things) space delivering smarter, safer and cost-effective solutions.

Mission

To empower customers to use the best AI and IoT management platforms for effective decision making via data driven intelligence.

Our Values

Future Focused
We bring to you the best and the latest technology in the AI and IoT field to enable digital solutions.

Complete transparency
We uphold the highest standards of integrity and honor the commitments we make.

Commitment to Positive change
We believe in solving issues and correctly positioning products which best suit the customer requirements.

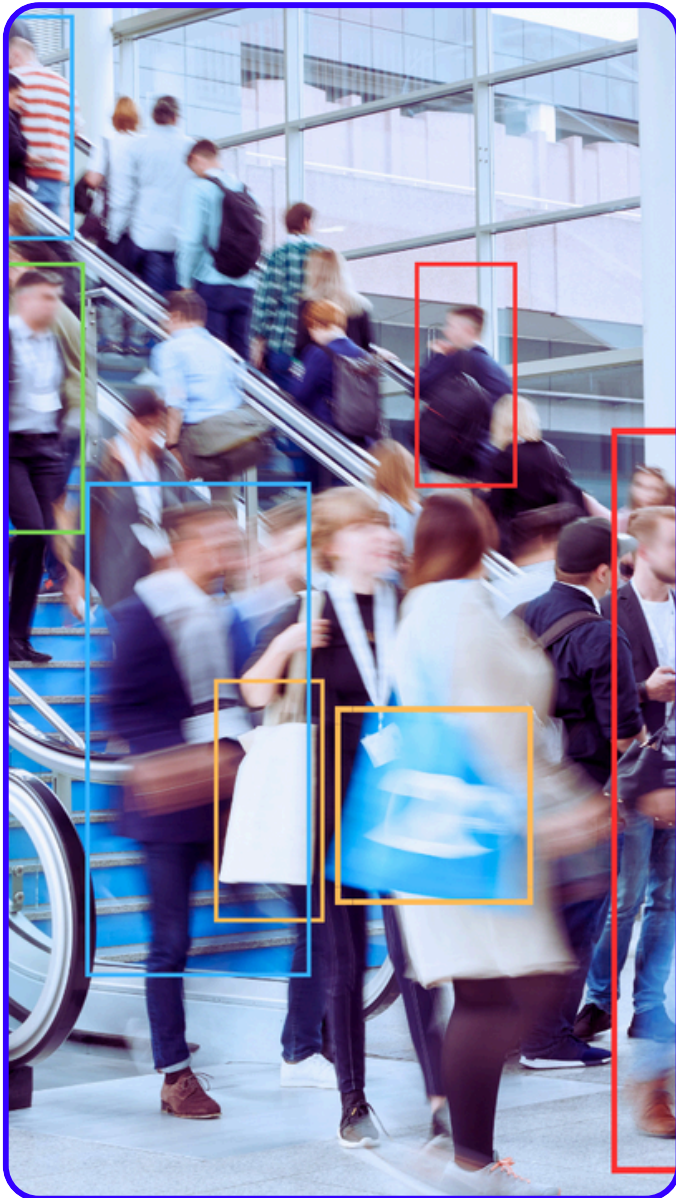**Requirement and need based driven approach**
Our unique insights and knowledge makes our team engage with the customer as a trusted advisor.

One Team
As one team we are dedicated to work on resolving issues and enabling technology to deliver solutions.

AI-Surveillance Solutions

AI-Surveillance Partner **TRASSIR®**

AI-Surveillance Features include

TRASSIR Neuro Detector

TRASSIR Queue Detector

TRASSIR Crowd Detector

TRASSIR Neuro Counter

TRASSIR Direction Detector

TRASSIR Bag Counter

TRASSIR Shelf Detector

TRASSIR ActiveStock

AutoTRASSIR (LPR)

TRASSIR Workplace Detector

TRASSIR ActivePOS

TRASSIR Staff Tracker

TRASSIR ActiveDome

TRASSIR HeatMap on Map

TRASSIR Wear Detector

TRASSIR HardHat Detector

AI-Surveillance compatible with **alhua** TECHNOLOGY **HIKVISION** **Ⓗ** **BOSCH** **HUAWEI**

Explore advanced '**Facial Recognition**' analytics with Microsoft Power BI

Microsoft Power BI

Smart Home Solutions

Smart Home Partner LifeSmart

Smart Home Products include

Smart Switches	Smart Lighting	Smart Interactions
Smart Curtains	Motion Sensors	Smart Thermostat
Smart Plugs	Smoke Sensor	Smart Door Lock

Enterprise Solutions include:

- Apartment Building Management
- Hotel Management
- Smart Office Management

Third Party Applications

WORKS WITH amazon alexa

works with Google Assistant

Works with Apple Home

Wireless Communication Protocols

5G   CoSS™   matter

WiFi   ZIGBEE

Third Party Integrated Products

HIKVISION   PHILIPS

alhua TECHNOLOGY   hue

IoT Solutions

In the realm of IoT, Integral Systems serves as a comprehensive source for the provision of sensors, gateways, and both private and public application platforms. We have also secured a LPWAN IoT license, enabling us to deliver IoT solutions across various industries using legally approved frequency bands as per PTA's LPWAN license requirements.

Our IoT Solutions include:

- **Smart Street Lighting**
- **Smart Waste Management**
- **Smart Parking Systems**
- **and many more...**

IoT Solutions
Smart Street Lighting

The Smart Street Light solution leverages cutting-edge LPWaN technology for automatic ON/OFF and dimming control, delivering a cost-effective, citywide solution

Benefits of Smart Street Lighting:

Energy Efficiency
Automatic ON/OFF and dimming control based on ambient light levels help minimize energy consumption and reduce operational costs.

Environmental Sustainability
By optimizing energy usage, Smart Street Lights contribute to environmental conservation and sustainability efforts.

Improved Safety and Visibility
Intelligent dimming ensures consistent and appropriate lighting levels, enhancing safety and visibility for pedestrians, cyclists, and drivers.

Remote Monitoring and Management
Cloud-based control enables remote monitoring, configuration, and maintenance of street lights, streamlining operational processes and reducing manual intervention.

Cost Savings
Efficient energy usage and reduced maintenance requirements translate into long-term cost savings for municipalities and organizations.

![Integral Systems™ logo]

IoT Solutions

Smart Waste Management

Smart Waste Bin technology revolutionizes waste management practices by employing battery-operated sensors to detect the level of waste inside bins. Leveraging mmWave sensors for accurate measurement and LoRaWAN or NB-IoT connectivity, these sensors transmit data to Waste Management IoT platforms, enabling efficient waste collection and optimization of resources.

Benefits of Smart Waste Management

Easy Installation and Dismantling

Realtime Reporting Technology

Our Wastebin sensor is engineered for longevity, boasting an extended lifespan powered by a robust 38Ah battery. With this high-capacity battery, the sensor can operate reliably for an extended period of up to 3 Years

Supports **NB-IoT** OR **LoRaWAN**

Advanced Sensing Technology

Cost Savings: Efficient energy usage and reduced maintenance requirements translate into long-term cost savings for municipalities and organizations.

IoT Solutions

Smart Parking Systems

The Battery-Operated Parking Management System utilizes advanced technologies such as NB-IoT or LPWAN (e.g., LoRaWAN) to detect the occupancy and vacancy of parking spaces both indoors and outdoors. This system employs battery-operated parking sensors placed in individual parking spaces to monitor their availability in real-time.

When a vehicle occupies or vacates a parking space, the sensors transmit data wirelessly to a centralized control system via NB-IoT or LPWAN communication networks. The control system processes this data and updates the parking status information, which can be accessed by drivers through various channels such as a mobile app or large display screens located at strategic points within the parking facility or nearby areas.

Benefits of Smart Parking Solutions

Low Power Consumption

Realtime Reporting Technology

Our parking sensor is equipped with both NB-IoT and LoRaWAN protocols. This dual-support ensures compatibility with a wide range of IoT networks, offering flexibility and scalability in deployment.

Advanced Sensing Technology

Cost Savings: Efficient fuel usage leads to conservation of fuel and lesser consumption

Saving Time: Parking users can allocate their time more effectively

Structured Cabling Solutions

Cabling Partners

We are dedicated to delivering state-of-the-art Optical Fiber Cable (OFC) network deployments within buildings, enabling CCTV, high-speed Internet, data services, and IPTV. Our comprehensive approach begins with detailed surveys and an in-depth understanding of OFC cables and equipment, ensuring tailored solutions that meet the specific requirements of each project. By meticulously planning and executing OFC installations, we lay the foundation for robust, high-performance connectivity infrastructures. Our team of experts is committed to precision and excellence, ensuring seamless integration and optimal performance of OFC networks. At Integral Systems, we are redefining connectivity standards, one building at a time.

Benefits of Structured Cabling

Scalability and Flexibility
Structured cabling systems are designed to support future expansions and upgrades with minimal disruption. They can easily accommodate new devices and technologies, making the network scalable and adaptable to growing demands.

Enhanced Performance and Reliability
By using high-quality cables and standardized installation practices, structured cabling ensures optimal performance and reliability. It minimizes downtime and reduces the risk of network failures, providing a stable and robust infrastructure for ISP products.

Simplified Management and Maintenance
Organized cabling systems are easier to manage and troubleshoot. Clear labeling and documentation allow for quick identification and resolution of issues, reducing maintenance time and costs.

Cost Efficiency
Although the initial investment in structured cabling may be higher, the long-term benefits include reduced operational costs and lower maintenance expenses. The ability to easily upgrade and expand the network also translates into cost savings over time.

Improved Aesthetics and Safety
Structured cabling systems are neatly organized, avoiding the clutter and hazards associated with disorganized cabling. This enhances the overall aesthetics of the workspace and reduces the risk of accidents.

Intra-Corporate Solutions

Corporate Portal

A corporate portal for all business units and employees for a one window collaboration tool of the organization. It can be accessed by all active employees using their own email credentials.

Corporate Dashboards

A dashboard that provides a comprehensive view per business unit enabling data centric decisions.

Service Request

Employees can submit service requests to the relevant department to have their needs met in an organized and effective way.

Travel Requests and Transportation Expenses

Employees may submit Travel Requests for approval of business-related travel and Travel Expense Claims for reimbursement in a structured workflow.

Appraisal System

Utilized by employees for their annual performance evaluations. The system comprises multiple modules such as Objective Setting, Learning & Development Plan, Feedback Acquisition, Probation Assessment, Check-ins, Performance Improvement Plan, Talent Mapping, and Annual Appraisal.

Recruitment Portal

Use our AI-driven solution to automate AI screening, resume parsing, AI-based scoring, scheduling, and talent pool management.

Intra-Corporate Solutions

Leave Management System

Employees may request and apply for leaves following the organization's leave policy through the Leave Management System (LMS).

Trouble Ticket Management

Employees can submit Trouble Tickets should they encounter any issues or problems with their current services or equipment, or to submit a grievance.

Task Management

Utilized by Teams to efficiently and effectively manage their tasks

Business Intelligence Consulting

We consult teams on how to utilize the best of Microsoft Power BI.

Our Intra-corporate solutions utilize Microsoft Sharepoint and Power BI

Integral Systems™

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