

Knowledge Document on **INTEGRATED BUILDING MANAGEMENT SYSTEMS**



innovative

Our Aim~



Connecting Intelligence...

Document Prepared By - BGIL Marketing Team

BGIL'S COMPETENCIES

CORE VALUES

- Integrity
- Professionalism
- Respect for Diversity

CORE COMPETENCIES

- Communication
- Team Work
- Planning
- Commitment to continues Learning

Managerial Competencies

- Vision
- Leadership
- Decision Making
- Empowering Others



INTEGRATED **BUILDING** MANGEMENT SYSTEM (i-BMS)

SERVICES AND TECHNOLOGIES



High Speed Internet / Wireless



Ambient Music / TV



Audio – Video Conf



Voice Communication



Visitor management



Interactive media



Digital signage



Facilities Management



Lighting



Elevator



24/7 Monitor



HVAC



Fire



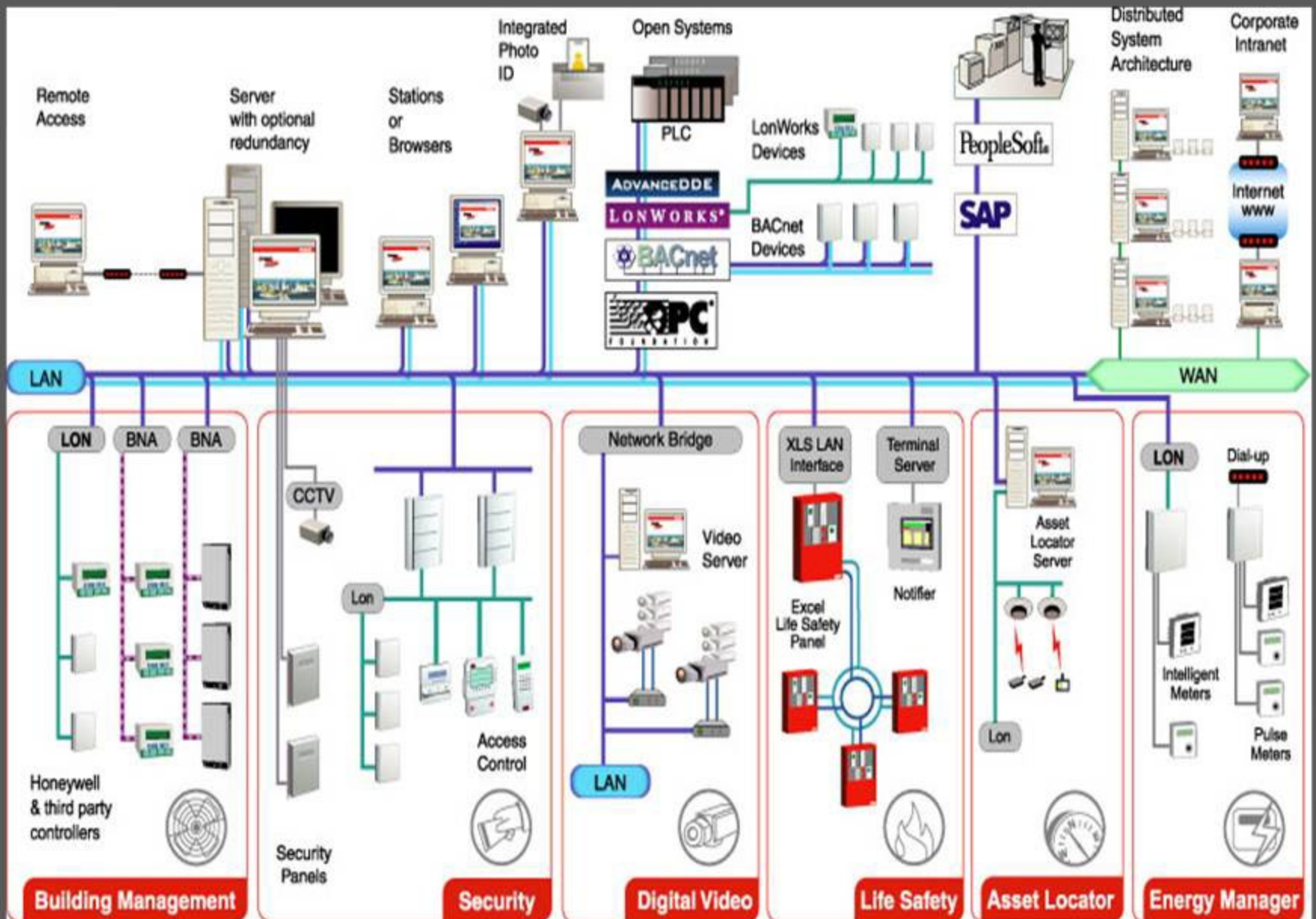
Video surveillance



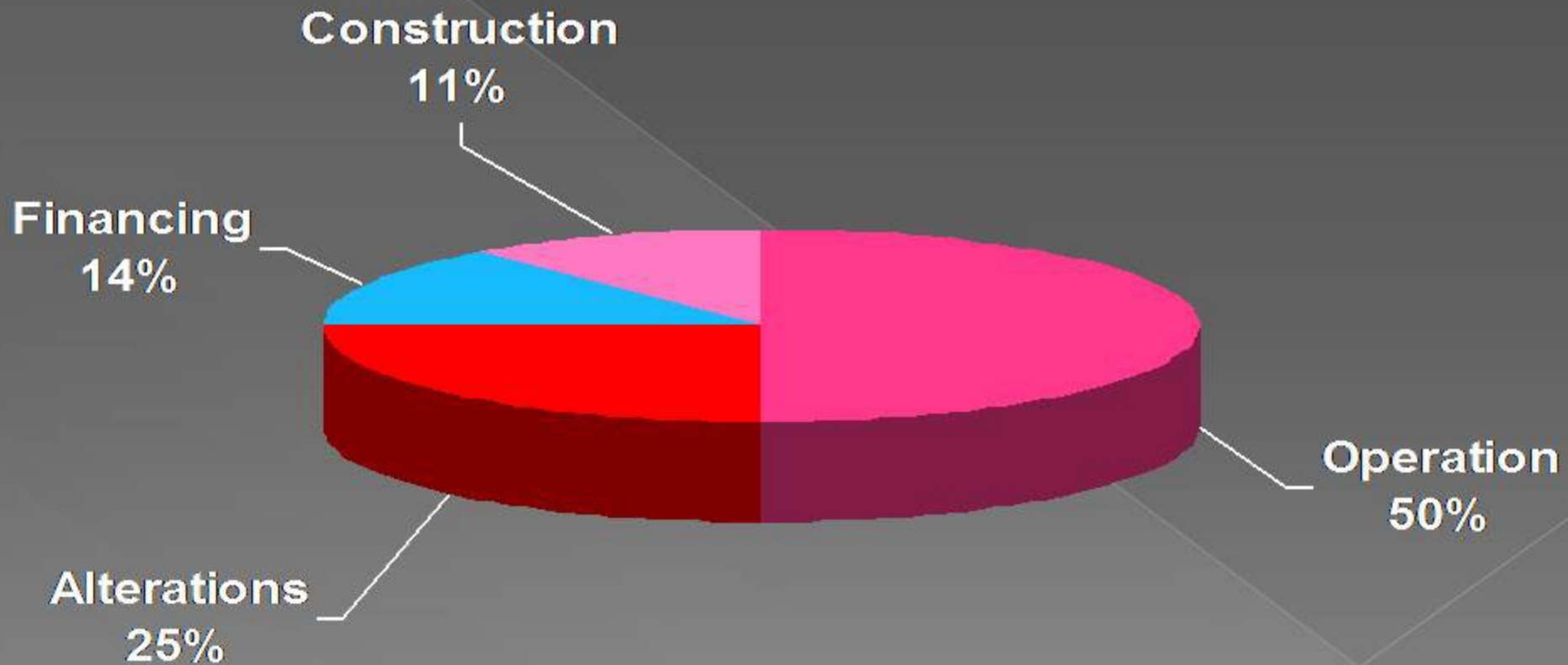
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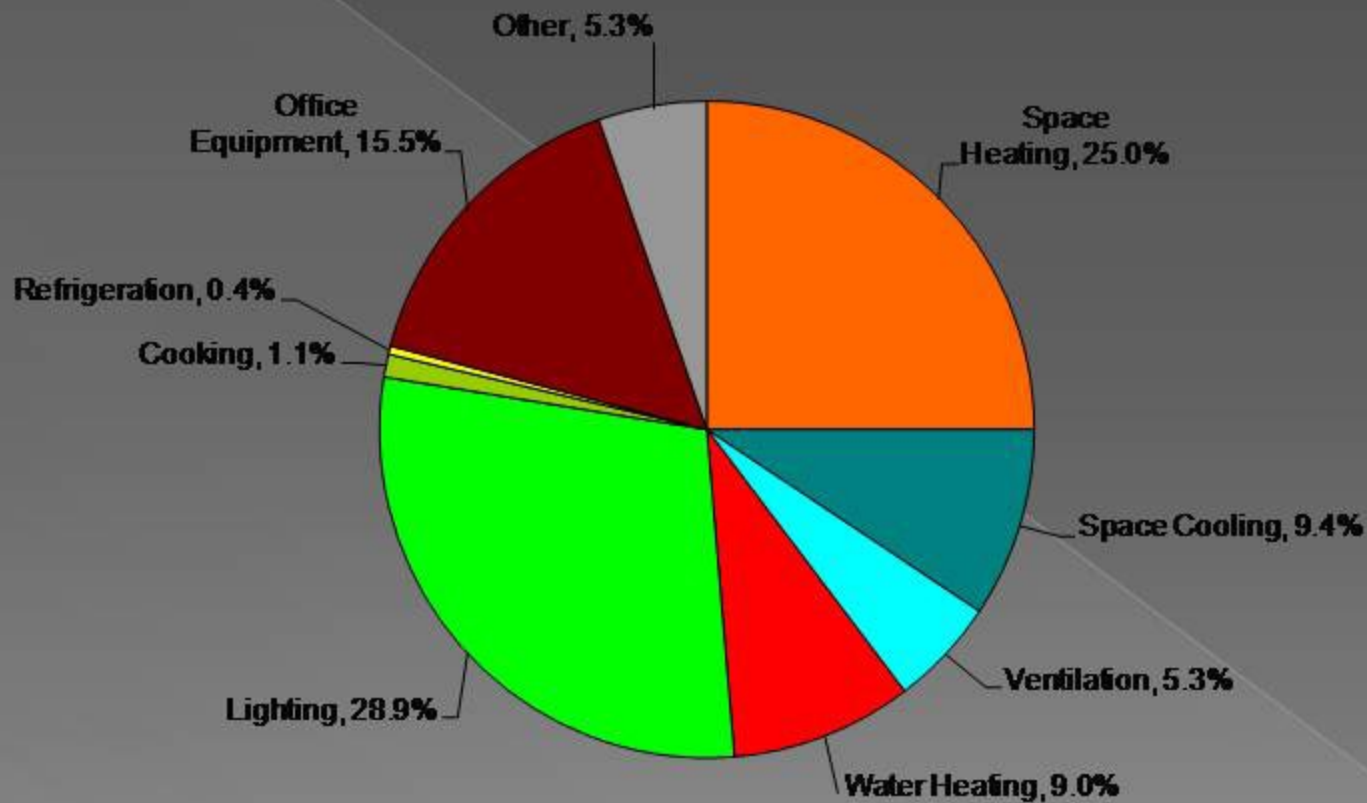
SYSTEM ARCHITECTURE of IBMS SYSTEM



Typical Building Cost Over A 40 Year Life Cycle



Commercial Buildings Energy Use



Definition of Integration

Integration is to bring together autonomous systems onto a common communication platform within the business enterprise and create a single unified solution

Network = Ethernet Cat 5/5e/6 and/or fiber

BMS structure

**IT network/
backbone**

WHY IBMS NEEDED?

1

Energy and building performance

- Energy savings and efficiency
- Improve building performance (better decisions)
- Reduce maintenance costs
- Increase the value of the building/rental revenues

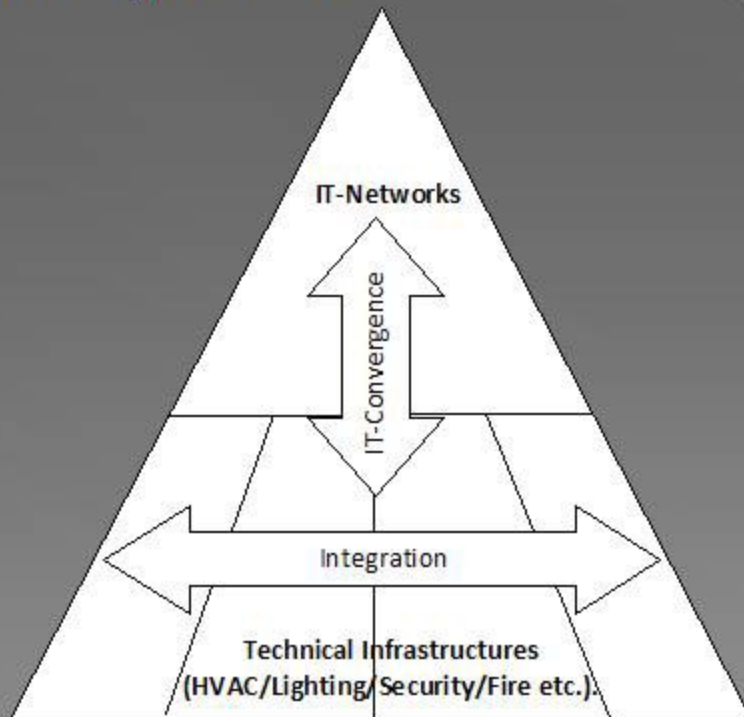
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Security

- Higher level of security (physical and IT security converged)
- Efficient data sharing
- Remote access
- Improving storage
- Access cards a requirement
- Link data sharing between departments

NEED of Integration

Integration is to add value by joining or linking different building services products



However nearly all integrated solutions are also converged at least at management level

- many also at control level



Development of Integrated Building Management Systems (IBMS)

Integrate with sub-systems



Integrate with other systems



Integrate with other BAS



Honeywell

Johnson
Controls



SIEMENS

**Schneider
Electric**

Integrate with other enterprises systems



SaaS.com
Improving Human Productivity T1

SAP

ORACLE

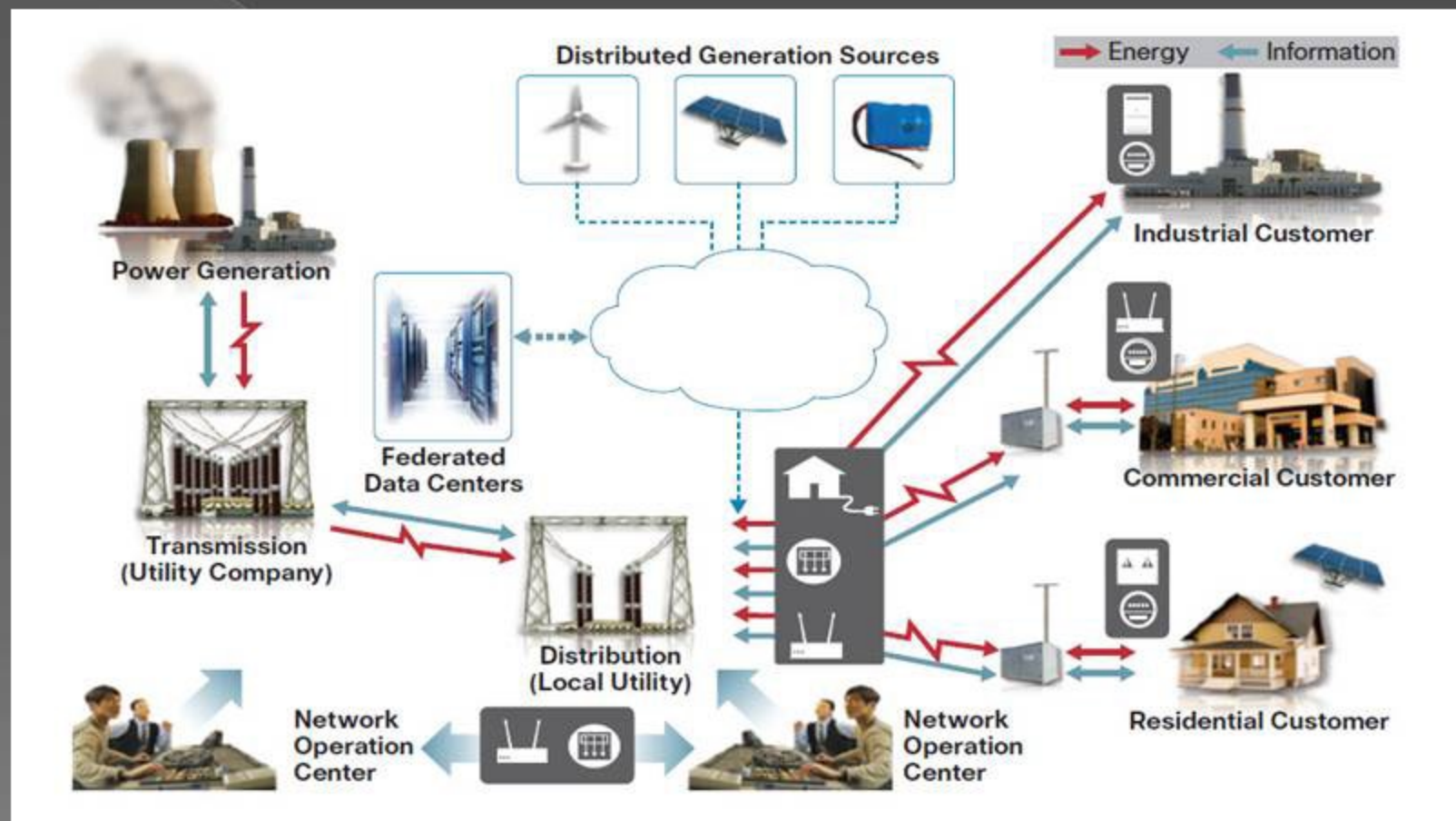


Open Standards Enabling Convergence

Key Market Drivers and Trends

- ⦿ Energy saving applications
- ⦿ Open system
- ⦿ Integration and IT convergence
- ⦿ Increase in energy retrofit
- ⦿ Consolidation will continue
- ⦿ Compete in the knowledge in buildings and BAS applications
- ⦿ Controls contractors migrate to system integrators

Smart Grid – NEED OF FUTURE



- ❶ An intelligent electricity system that connects all supply grid (utilities) and demand elements (end-users) through an intelligent communication system

Key Findings

Environmental (HVAC) Building Controls

- ① The market will compete in applying BAS to tackle climate change issues
- ① Companies need to obtain and disseminate both controls and IT knowledge

Lighting Controls

- ① Huge savings and market potential
- ① Consolidation to provide total lighting solutions and more integration
- ① LED lighting is a growing market but controls required for better efficiency

Security Systems

- ① CCTV / Video surveillance setting the pace, followed by access control
- ① Strong movement towards IP systems and integration of security systems

Fire Detection and Alarm

- ① Robust, growing market, driven (and constrained) by codes and regulations
- ① Demand for better evacuation solutions will drive integration of nascent mass notification / voice evacuation market

End-User Sectors

- Top vertical markets:

- Education 13%
- Offices 12%
- Central / Local Government 11%
- Health 9%



WHY BGIL?

Bharatiya Global Infomedia Ltd is the most trusted leader in the industry of RFID BASED SOLUTIONS. Bharatiya Global Infomedia Ltd researches and Manufactures a solution keeping in mind the client's requirement. Bharatiya Global Infomedia Ltd has continuous adherence to latest advancements in technologies and implementation methodologies for designing the solution from the scratch.

Identify a product and market the same like the other competitors may not give complete satisfaction to the end customer. Bharatiya Global Infomedia Ltd believes and procure products which provide an appropriate solution and is cost effective. Bharatiya Global Infomedia Ltd manufactures, services, customizes and expands to meet any kind of client's requirement.

Bharatiya Global Infomedia Ltd is filled with professionals with rich experience in the diversified areas of Building Automation Industry. The organizational structure emphasizes open communication, collaboration and creativity which enable the employees to realize their potential and experience, a sense of pride and belonging

SYSTEMS OFFERED

Intelligent Building Management System

Video Surveillance System

Fire Alarm System

Access Control System

RFID Based Solutions i.e(Car Parking, Canteen Management , Visitor Management etc.)

KEY OEM'S

**Intelligent Building Management System – Honeywell
(Trend Systems) /Schneider Electric (TAC)**

Video Surveillance System- (TYCO, Honeywell, Hikvision)

Fire Alarm System- TYCO-Simplex, AGNI

Access Control System- HID,DDS,ID-CUBE

**RFID Based Solutions i.e(Car Parking, Canteen
Management , Visitor Management etc.) - BGIL**

Services at your door STEP



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Thank you!