



**BRICK & BYTE**



**Brick & Byte** is a premier company with more than two decades expertise in providing Integrated Advance Engineering Design Solutions and Services.

#### **Enterprise Integration Services'**

We integrate various systems in a campus such as CCTV, Fire Alarm, Access Control, PA, Data-Voice Solutions, Electrical Systems (LV/MV), Audio-Visual solutions and Air Conditioning for any hotel, hospital, mall, office complex, school, airport or a residential complex with our expertise in integration solutions.

Also all these systems can be integrated into the Building Management System and even controlled from a central enterprise command centre.

These solutions enable businesses to improve productivity and realize significant savings through better management of their facilities.

#### ***Our Services Include:***

**Integrated Engineering Services** - Embedded and Mechanical Engineering

**IT Services** - Software Applications, Mobile Applications and SAP.

**Manufacturing services** - Precision Manufacturing and Finishing Processes.

**Renewable Energy** - EPC for setting up Solar Plants and Rural Electrification

**Enterprise Integration** – Automation for Building and Commercial Spaces





### CCTV Surveillance System

CCTV surveillance now lies at the heart of almost all electronic security systems.

#### Our one-stop service includes:

- System appraisals with detailed reporting
- Offer vendor neutral advice
- CCTV Specification, design and implementation
- CCTV Integration and migration using the latest technology
- 24/7 support and maintenance



### Audio and Visual systems integrations.

**Effective communications is an integral part of the success of any business.**

BBIPPL is an established company engaged in executing projects on turnkey basis for works related to professional Audio and Visual systems integrations.

#### Our Solutions:

- Video Conferencing
- Projectors
- Interactive Presentation System
- Video Wall
- Audio Conferencing
- AVSI/Boardroom Integrations
- Digital Signage
- E-Classroom Solutions



### DATA Communication Solutions:

#### Our Services

- Structured Cabling Systems
- Network Consultancy and Audits.
- Data Centre Solutions
- WLAN Solutions

#### Voice Communication Solutions:

We provide solutions for all kind of Voice communication to address the needs for a small enterprise as well as a large scale enterprise.

#### Our Service

KeyTelephoneSystem  
PBX/Hybrid IP telephone system  
VOIP Systems



### Fire Alarm & Suppression System

- Conventional
- Addressable
- VESDA: Very Early Smoke Detection System

#### Fire Suppression System

- Sprinkler System
- Water Spray System
- Foam System
- FM 200 System
- Inert Gas System / Argonite System
- CO2 System
- Dry Chemical Powder System



### Access Control Systems

- Configuration from Standalone to Multi-door applications
- User Friendly software with detailed attendance
- Access control features like Anti-pass back Time Zones.
- Highly secured, very convenient and reliable at a competitive price

**Additional Services include;**  
**GPS Tracker Plus RFID** – Locate Person as well as Vehicle

**Intruder Alarm system** – Prevent Unwarranted Access to Premises



### Electrical Engineering

As a commercial, industrial electrical contractor and engineering firm, BBIPPL is a one-stop electrical contractor for your electrical system development.

We provide LV/MV Electrical System design and construct service that is tailored to each clients needs. We ensure that all clients are given the personal attention to ensure that each electrical project is completed to exact specifications.



### Heat Ventilation and Air-Conditioning (HVAC)

Air-conditioning is not just about cooling air...

Air conditioning deals with simultaneous control of Temperature, Humidity.

Air purity & Air movement in the right proportion, depending upon the situation / segment requirements.

We design the optimal solution for our clients, which delivers the most comfortable & healthy air-conditioned environment and also provide huge savings on the running cost.



### Benefits of a Turnkey Solution

**Less work for you:** Why deal with multiple service providers in the planning, engineering and installation of your project. BBIPPL specialists will communicate seamlessly on your behalf & manage day-to-day questions, issues and coordination

**Minimise risk of communication glitches:** Why accept risk of miscommunication between multiple service providers? The EI Team of BBIPPL is in direct communication with you & will shield you from issues arising out of miscommunication.

**Save time & Save money:** Our team of specialists works together in coherence to dramatically reduce project completion time.

**Long-term savings through reliability:** Customers receive a well-conceived and implemented project. Our team of specialists leverage years of experience and knowledge to create a solution that will run efficiently for years.





Power monitoring



Access Control Systems



Plumbing & water monitoring



Fan Coil Units (FCUs)



Variable Air Volume boxes (VAVs)



Roof-top Units (RTUs)

Elevators/ Escalators

Air Handling Units (AHUs)



Boilers



Fire alarm system



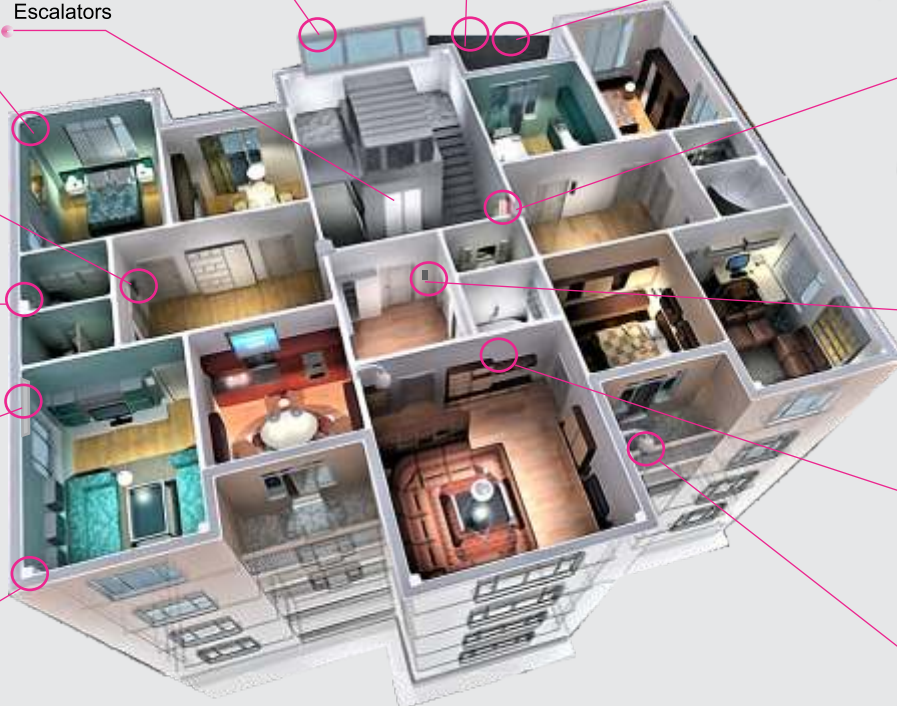
Card and keypad access



Lighting control



Close circuit video (CCTV)



### Home Automation

Home Automation enables the automatic control of commonly used elements in a manner that is personalized to the needs of each family... all with the touch of just one button.

Save energy by assigning your home the responsibility of regulating the operation of lights, water heater, HVAC system, entertainment components, appliances and irrigation system so these devices are on only when needed.

### Industrial Automation and Controls

Automation helps you compete better by allowing you to increase productivity, flexibility and quality. By automating repetitive manual tasks, your workers can perform more specialized tasks, providing you with better productivity and, in some cases, opportunities to expand your product offering. Automation also helps reduce or eliminate human error, which in turn reduces the cost of error recovery and increases the overall quality of your product.

## Building Automation and Control Systems

Building Automation Systems (BAS) are centralized, interlinked, networks of hardware and software, which monitor and control the environment in commercial, industrial, and institutional facilities.

### Building Automation Controls;

- Chillers
- Boilers
- Air Handling Units (AHUs)
- Roof-top Units (RTUs)
- Fan Coil Units (FCUs)
- Heat Pump Units (HPUs)
- Variable Air Volume boxes (VAVs)
- Lighting control
- Power monitoring
- Security
- Close circuit video (CCTV)
- Card and keypad access
- Fire alarm system
- Elevators/escalators
- Plumbing and water monitoring