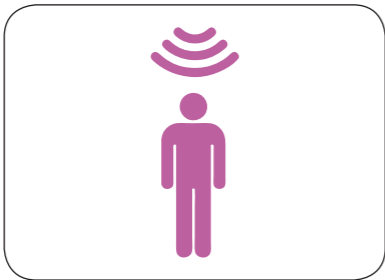# Lighting & Control

▶ Lit the light wherever you want
▶ Enhanced energy efficiency through sensors integration
▶ Control through mobile app/ Wall panels
▶ Virtual moon light in your living & work spaces
▶ Create your own personalized light ambience
▶ Operations include On/Off/Dimming and scheduled operations
▶ Easy integration with security & Multimedia controls
▶ Play themes with smooth changes from one colour to another colour

Motion Detection   Occupancy Detection   Ambient user Lighting Control

Gates & Blind Control

▶ Shutters protected from violent gusts of wind
▶ Automatic closing if rain is detected
▶ Comfort enhanced by lowering blinds or shutters if light is too bright
▶ Safety enhanced by automatic closure when night falls
▶ Comfort and safety enhanced by schematic opening / closing at asset time

Safety & Security

▶ See live video fo your home from anywhere on your smart phone/computer
▶ Sync your cameras to motion detectors & receive triggered clips automatically
▶ Store video clips of triggered events

Smart Building

Life made *Easy, Secure & Smart...*

Smart Building is a structure that incorporates smart technology to automatically control building operations including air conditioning, lighting, security & other systems.

Smart Environment

Appliance Control

Safety & Security

Gate & Blind Control

Lighting Control

Energy Monitoring

Improves Comfort

Ensure Security

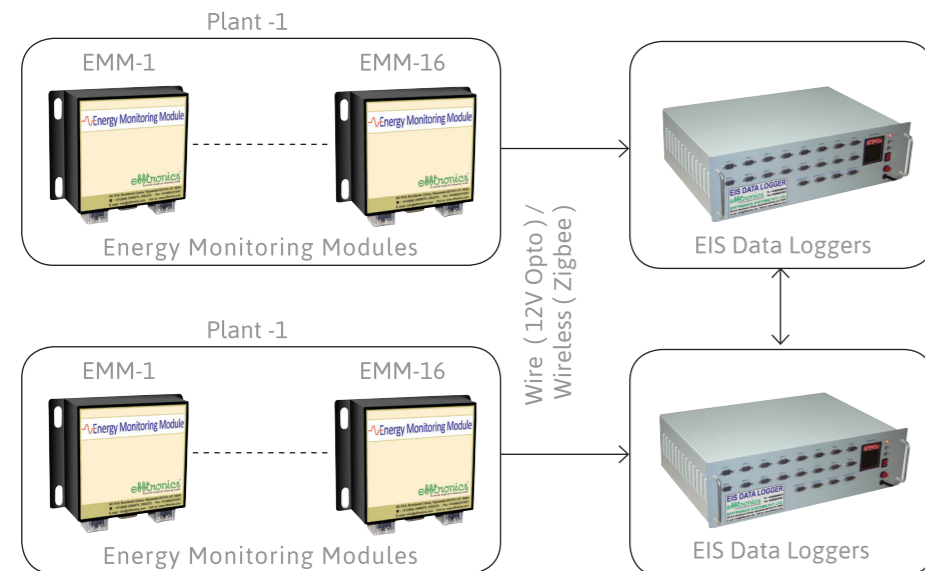Reduces Energy Consumption

Creates Healthy Living Spaces

Enhances Accessibility

efftronics®
To provide insight for enhancing wealth

"A PRODUCT DEVELOPMENT COMPANY"

efftronics®
To provide insight for enhancing wealth

Indoor Air Quality Monitoring System

Indoor air quality monitors air quality (including carbon monoxide, radon, volatile organic compounds etc.) within and around buildings and structures as it relates to the health and comfort of building occupants.

APPLICATIONS

- Trains
- Restaurants
- Theatres
- Shopping Malls
- Aeroplanes
- Kitchens
- Toilets
- Offices
- Hospitals

BEDROOMS/LIVING ROOMS
Thermal comfort and Air freshness(Temperature, Relative Humidity & CO2)

KITCHEN
Ventilation & Thermal Comfort (Temperature, Relative Humidity, Co2 & VOC's)

TOILETS
Thermal comfort and Air freshness(Temperature, Relative Humidity & CO2)

Energy Information System

An energy Information system (EIS) is a system that monitor, control, and optimize the performance of electric utility grids used by operators to achieve energy efficiency.
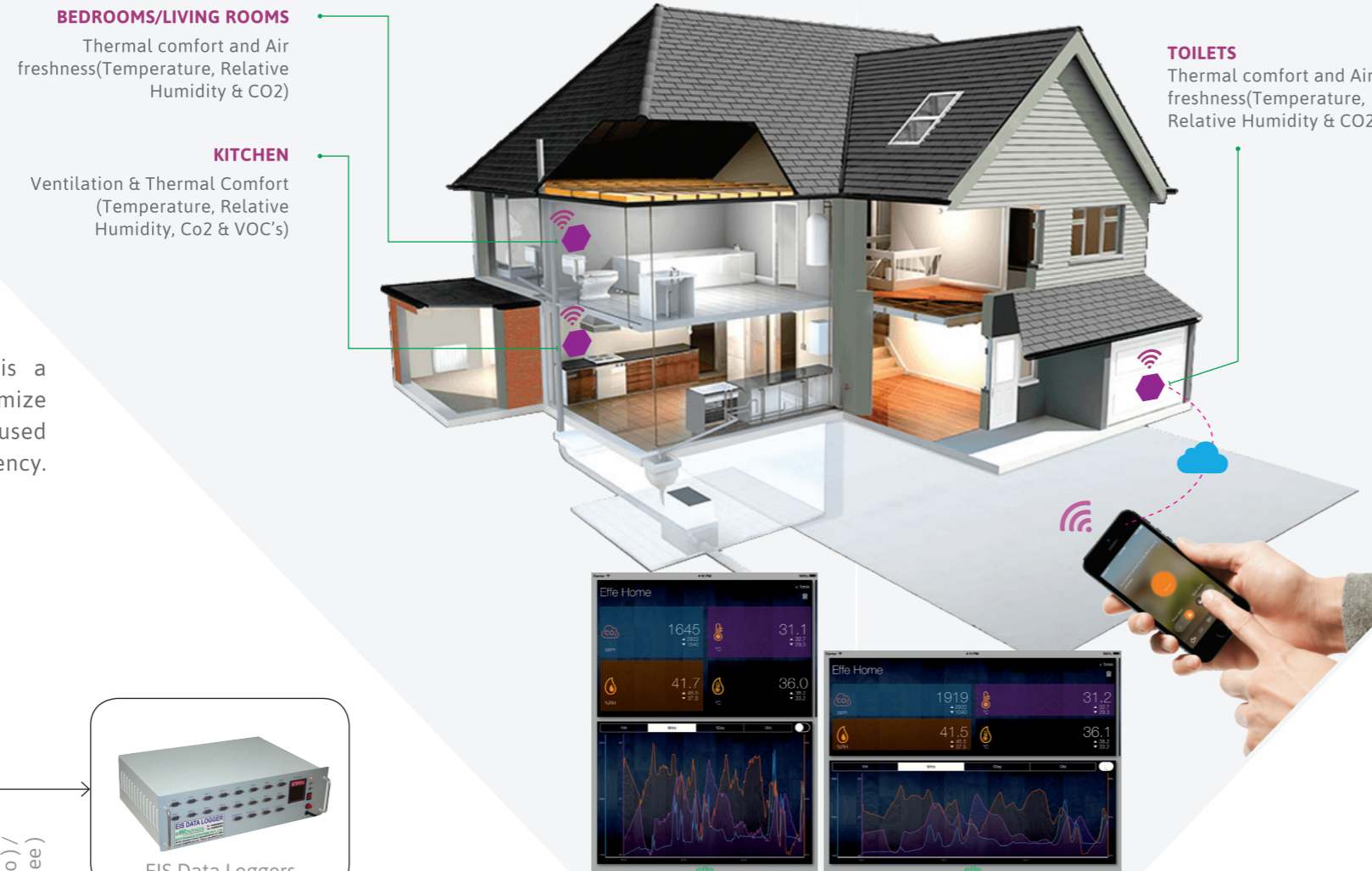
Architecture

Plant -1

EMM-1 ... EMM-16

Energy Monitoring Modules

Wire (12V Opto) / Wireless (Zigbee)

EIS Data Loggers

Plant -1

EMM-1 ... EMM-16

Energy Monitoring Modules

EIS Data Loggers

Salient Features

- Identifies energy conserving opportunities(ECOs)
- Measures and records various energy parameters
- Logging the energy consumption information from various energy accountable areas

Client PC — LAN — EIS Data Loggers — LAN — Client PC

Salient Features

Continues Air Quality Monitoring
Visual Analytics in mobile apps
Alerts and notifications through mobile app

Effe Home
1645 31.1
41.7 36.0

Effe Home
1919 31.2
41.5 36.1

On-line Distributed Appliance Control

Smart way to control appliances & save energy

On-line distributed appliance control is a system to control the electrical appliances distributed over a large area remotely from a central place. This helps to save power and time of the user as the appliances can be controlled at any time with a click.

Salient Features

- Eliminates energy wastage ◄
- Appliance control through mobile app ◄
- Scheduling facility for appliances control ◄
- Real-Time monitoring & recording of data ◄
- Password protection for High priority appliances ◄
- Simple & easy appliances operation in remote locations ◄

Architecture

Effe Smart Home Server

Wired / Wireless

Internet

GSM/4G

Wired / Wireless

Smart Home

Gateway

KNX Switch

LAN

WiFi Router with Internet Connection

WiFi

LAN

KNX Power Supply

KNX Actuator

KNX Device

User Interface