hredai
the heart of a building

hredai

Fire Alarm System

Intelligent Panels,
Detectors and Modules

Access Control

Smart IDs, Locks &
Readers, Biometrics

Single Solution Provider

One Stop for all your Building Systems

We provide complete ELV solutions to ensure that all your building needs are met from a single source and get seamlessly integrated with our BMS solution.
Making your life simple and easy.

Networking

IP Backend for
Business Needs

Surveillance

IP Camera Systems for
Smart Monitoring & Security

Public Address

Announcement Systems
for Public Spaces

ELV Solutions

Air Conditioning Control

AHUs, Package Units, VRFs, Chiller Plants

Energy Management

Energy Meters, Power Management, Usage Analysis

Water Management

Pumps, Water Tanks, Water Metering

Monitor. Control. Manage.

All your building systems, at your fingertips.

Our Building Management Solution is a complete package to help manage your entire building from one single interface. Make your building energy efficient and easy to manage – at the same time.

Air Quality Control

CO_2 Level Control, Fans and Ventilation

Lighting Control

On/Off, Dimming, Scenes, Scheduling

Equipment Integration

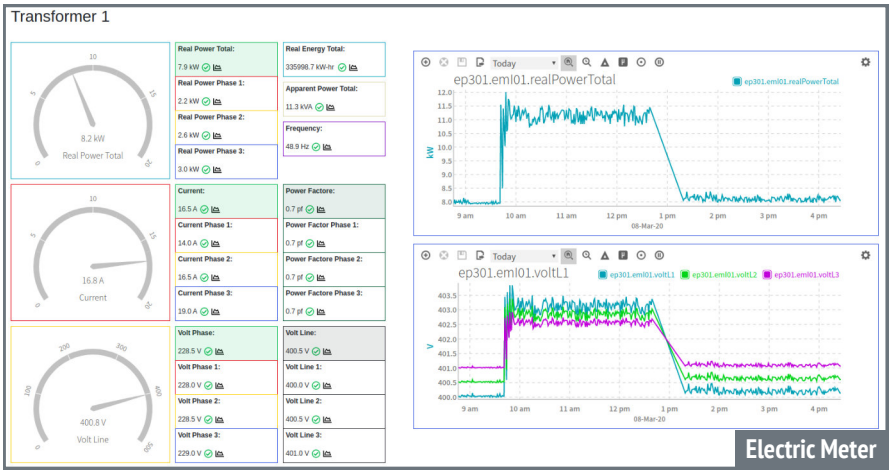
Lifts, UPS, DG Sets, Industrial Equipment, Enterprise Export

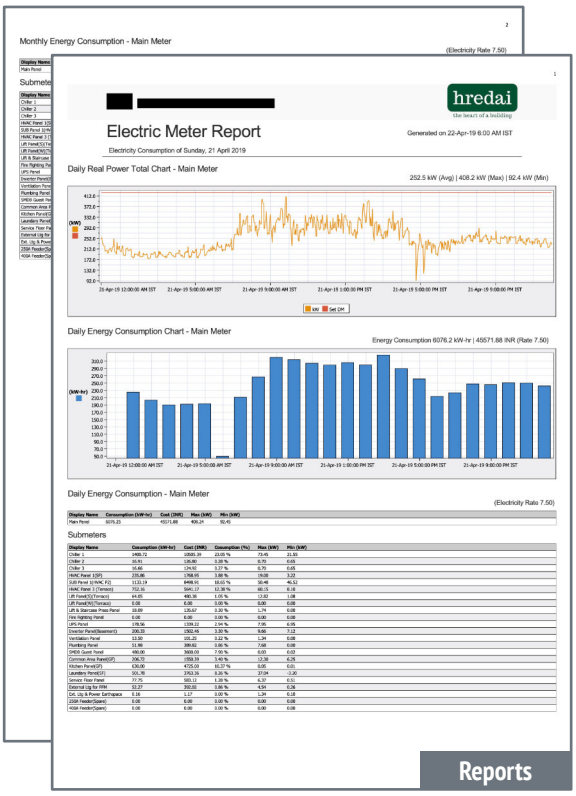
Building Management Solution

What is BMS?

A building management system (BMS), otherwise known as a building automation system (BAS), is a computer-based control system installed in buildings that controls and monitors the building's mechanical and electrical equipment such as ventilation, lighting, power systems, fire systems, and security systems. A BMS consists of software and hardware; the software program, usually configured in a hierarchical manner, can be proprietary, using such protocols as C-Bus, Profibus, and so on. Vendors are also producing a BMS that integrates the use of Internet protocols and open standards such as DeviceNet, SOAP, XML, BACnet, LonWorks and Modbus.

(Source: Wikipedia)





Alarms

With so many systems and equipment to monitor, it can become challenging to keep track of what issues pop up when and where.

A dedicated Alarm Console keeps track of all critical events at one place. Thus takes away your worries of missing out on something important.

Our smart alarms will inform you immediately – directly on screen, by email, and even SMS.

Reports

Built-in reporting and analytics application helps you know your building in depth.

Create summary reports to track equipment usage or customized energy consumption reports to calculate your cost of running the building as per your requirements.

Smart analytical algorithm help you make sense of the vast amount of data collected – turning it into valuable actionable information.

History

The key to any investigation is knowledge about what happened when.

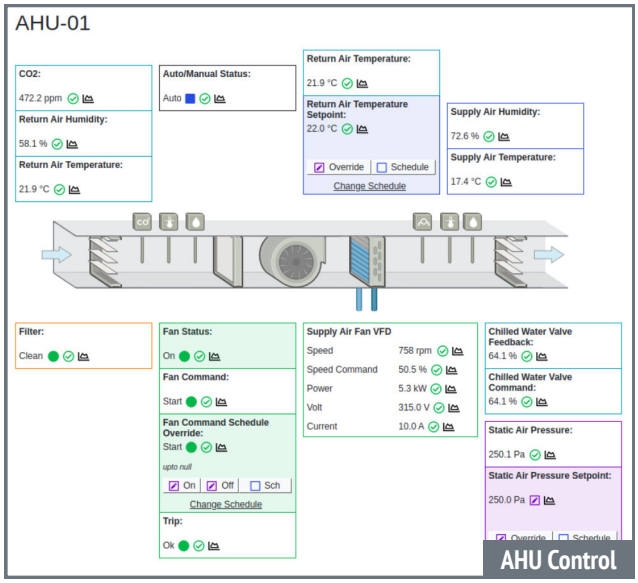
Extensive history of building parameters and sensor readings is stored by our software for days, weeks and years.

You know exactly what was going on in your building – even in the past.

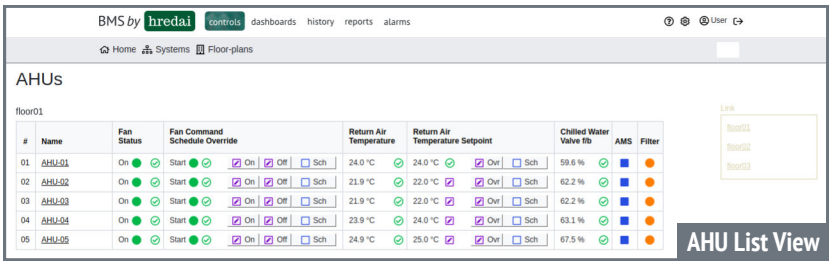
This data is always on hand to generate reports, track down any issues and find usage patterns of your building.

Features

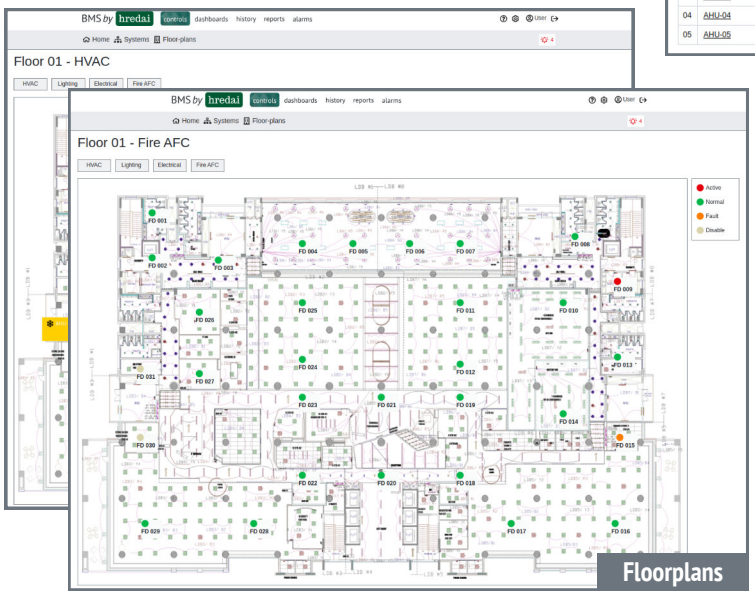
of BMS *by* hredai



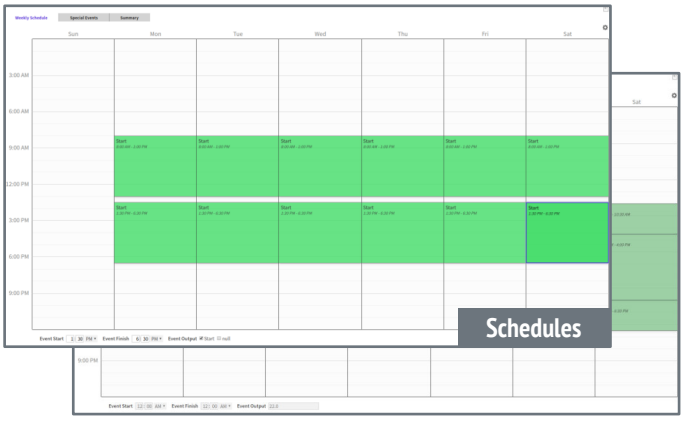
AHU Control



AHU List View



Floorplans



Scheduling

Simple mistakes such as forgetting to turn off the lights and ACs at night can results in massive losses over time.

With a simple yet powerful scheduling tool built-in, you can ensure that no human mistake causes avoidable losses.

With advanced options such as set-point scheduling, overridable schedules and overtime tracking beyond basic on-off schedules, our system becomes an essential part of day-to-day building operations.

Controls

Bring all the equipment in your building under your control.

Advanced algorithms fine-tuned to improve your equipment's performance.

Complex logic to help interconnect multiple systems to allow for truly automated buildings.

Graphics

Monitor, control and automate all the systems and equipment you need to run a building from a single interface.

Accessible from desktops, laptops, tablets and mobiles from a standard web browser, managing a building is now as easy as opening a website.

Best in class user interface with special focus on ease of use, intuitiveness and convenience to bring your building truly under your control.

Connectivity

With our open platform, you never have to worry about connecting your equipment and systems to our BMS.

Support is built-in for industry standard protocols such as BACnet, Modbus, KNX and SNMP. Many others can be used with the help of software drivers and protocol converter.

Data can also be easily exported over XML, REST API or via SQL databases for enterprise connectivity, data archival, or custom reporting.

5 Key Benefits

of BMS *by* hredai

Energy Efficient

BMS provides significant energy saving through multiple avenues.

Well-tuned algorithms, advanced scheduling, direct control over electrical equipment, single interface for equipment, excess usage alarms – all help reduce your energy consumption and make your building efficient.

You can save more than 30% in energy costs.

Easy to Manage

Modern buildings have several systems to manage and monitor. With BMS, you can bring them all under control from a single interface.

You can manage a far larger facility with fewer people who require little-to-no training.

No more running around to start some equipment on another floor, no more doing rounds in the morning to count energy usage from energy meters, no more forgetting to turn off the lights at night or rush to turn them on in the morning, no more complaints of over or under cooling.

Let BMS make your life easier.

No Vendor Lock-in

We provide a vendor-neutral solution, designed to customer needs rather than what is available from a single brand.

We offer open platform systems with multiple connectivity options and easily available products from leading vendors across the world. All of these combined with our extensive documentation and engineering ensure our customers never get locked into a single vendor.

Get independence from dependency.

Peace of Mind

With years of experience, specializing in providing complex BMS solutions all across India and a long list of happy customers with well-maintained and working BMS solutions, you can be sure that you are in safe hands.

Value for Money

We use the best quality products from technology leaders around the world while keeping in mind the cost-benefit ratio from our customers' point of view.

For a mere 2%-5% of the total project cost, our BMS delivers savings of more than 30% in energy costs. In addition, you get significant savings in manpower, repairs, and operational costs. This is not just about saving money alone. It's about preventing losses.

BMS by hredai is truly about value for money.

Industries

Building Management Systems are implemented in most modern large projects; especially when air conditioning systems are involved.

Over 70% of a facility's energy usage can be monitored or controlled using BMS. Therefore, making it a necessity for businesses with large energy bills.

BMS connects and controls remote locations from a centralized point. Whether it be large spread-out sites or indoors areas with multiple people having their own requirements, BMS enables a smooth operation of the facility.

Without BMS, you require a larger team to manage the same facility. BMS by Hredai empowers small teams that keep the employees, customers, and owners happy at the same time.

- Campus & Complexes
- Factories
- Office Spaces
- Hotels & Clubs
- Hospitals
- Diamond Industry
- Retail, Malls & Multiplexes

About Us

hredai is the trade name of Green Edge Technologies Pvt Ltd, a privately held company based in Surat.

We design, commission and support state-of-the-art Building Management Solutions. We have successfully completed more than 150 projects covering over 60 million sq. ft. in the past two decades.

Green Edge Technologies has evolved from QM Solutions – one of the first Building Management Solution providers in Gujarat, since 2000.

We provide a complete solution to our customers. Helping them right from the design stage, through project execution and to providing support for their systems for the years afterwards.

With a strong presence across multiple sectors in the country, Hredai continues to expand its long-standing tradition of excellence.

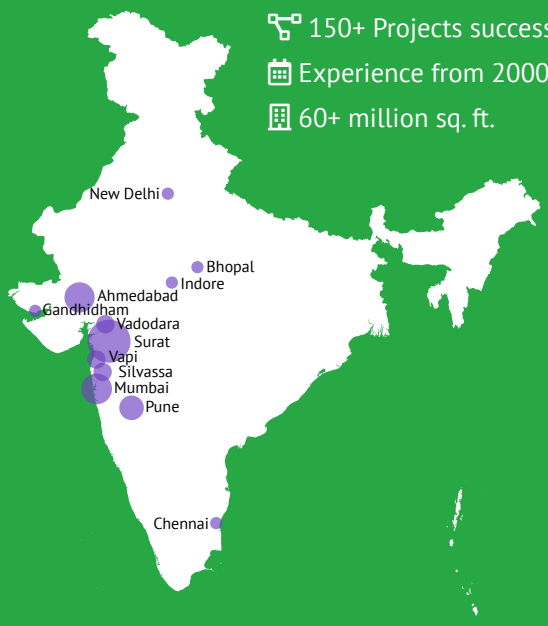
Our Mission

"We make our customer's buildings energy efficient and easy to manage.

We deliver great value for money by working efficiently and using the best of technologies."

Consult, Design & Engineer Project Execution Support

Select Projects



150+ Projects successfully executed
Experience from 2000 to date
60+ million sq. ft.

- Nvidia Graphics, Pune
- IBM, Mumbai
- Saifee Hospital, Mumbai
- Civil Hospital, Ahmedabad
- Marriott Courtyard, Surat
- The Gateway Hotel, Vadodara
- Radisson Kandla, Gandhidham
- Avadh Club, Surat & Vapi
- KP Sanghvi & Sons, Surat & Mumbai
- Laxmi Diamond, Surat
- Kiran Gems, Surat
- Shairu Diamonds, Surat
- Inox Multiplex, Pune
- Balaji Agora Mall, Ahmedabad
- Iris Mall, Surat
- L&T MHI, SSHF & HE, Hazira
- Bridgestone, Pune
- Institute Of Plasma Research, Ahmedabad
- ISRO, Bhopal
- Mumbai International Airport T2 - Parking, Mumbai
- Sanofi, Ankleshwar
- Jai Research Foundation, Vapi
- Macleods Pharmaceuticals Limited, Sarigam

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Our Vendors

We only use the best quality products from technology leaders around the world. We regularly try out new products and add vendors to provide our customers with the perfect fit in this constantly changing technological world.

TRIDIUM, niagara framework, Honeywell, Schneider Electric, EasyIO, Allen-Bradley, GREYSTONE, Johnson Controls, MOXA, SIEMENS, Dwyer, BELIMO, Control Solutions Minnesota, Rockwell Automation, RITTAL, HIKVISION, MOBOTIX, ABB, tyco, OMRON, Panasonic, VALRACK, BOSCH, CISCO, Fuji Electric Global, WBOX Technologies, SPECTRA, ASSA ABLOY, Danfoss, EBELCO, MAGNETIC, VIVOTEK, Synology, HAVELLS, HMS, HID Corporation, HDL, molex, NETGEAR

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CIN U74900GJ2008PTC069632 **GSTIN** 24AADCG1595L1ZE
MSME Udyog Aadhar GJ22D0242367 **ISO** 9001:2015 Certified Company

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