INTELLIGENT BUILDING MANAGEMENT SYSTEM 8.0

BISYS

PEGASUS

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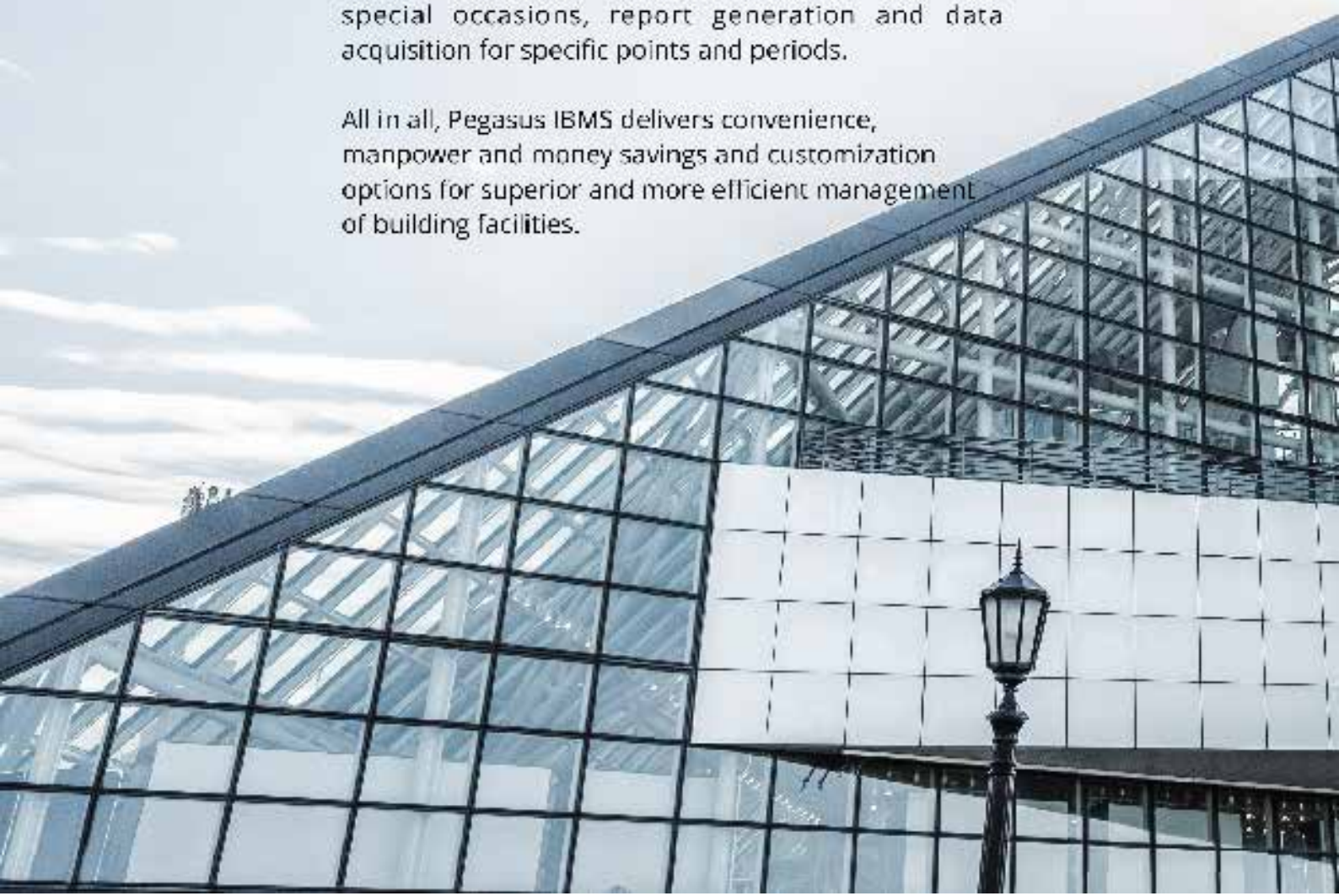
IBMS *Intelligent Building Management System*

Pegasus IBMS is a new age web-based and internet-enabled building control solution designed to be reliable, flexible, adaptable, customizable and user friendly.

After installing the intuitive and easy-to-use Pegasus IBMS, building facilities can be efficiently monitored, commanded and controlled using a single interface via internet even from remote destinations from any corner of the earth. This software also allows custom schedule setting – regular as well as for holidays/ special occasions, report generation and data acquisition for specific points and periods.

All in all, Pegasus IBMS delivers convenience, manpower and money savings and customization options for superior and more efficient management of building facilities.



As an advanced building automation product, Pegasus IBMS delivers cutting edge monitoring and controlling capabilities to building managers. It enables seamless integration and consolidation of multiple systems engaged in Supervisory Control & Data Acquisition (SCADA), Building Management Systems (BMS) and Energy Management Systems (EMS) to deliver a unified package that substantially reduces operating costs, resources and manpower required.

While most buildings these days come equipped with various management systems for controlling and monitoring diverse functions such as light levels, humidity levels, airflow, indoor temperature, surveillance, various alarms, elevators etc, these are typically installed independent of one another with each one functioning in isolation which leads to inadequate supervision, increased response time and delayed corrective actions. Isolated systems also mean required more manpower, more time and more expenses to operate.

Pegasus IBMS provide a platform to seamless integrates and unifies your building's various isolated systems such as HVAC, CCTV surveillance, lighting, alarms etc - to deliver centralized supervision and coordinated control. As the information from each constituent sub-system is pooled and shared into Pegasus IBMS's central repository, it becomes conveniently accessible for generating line charts and detailed reports for review at a time of your choice.

Pegasus IBMS 8.0

Pegasus IBMS version 8.0, released on January 1, 2023, introduced several significant enhancements. It migrated to the Linux environment, resulting in improved stability and compatibility. Additionally, a new Energy Dashboard module was implemented, allowing users to track and analyze energy consumption. Furthermore, the system's web platform interface received a modern redesign, providing a fresh look for modules such as alarm management, scheduling, and logging.

Multi open-source protocol support on the server side

a.BACnet
b.SNMP
c.Modbus
d.Etc.

Global programming on the server side

a.Server act as a controller to do big scale programming.
b.More global logical programming capabilities
c.Enhance energy monitoring calculation and monitoring type

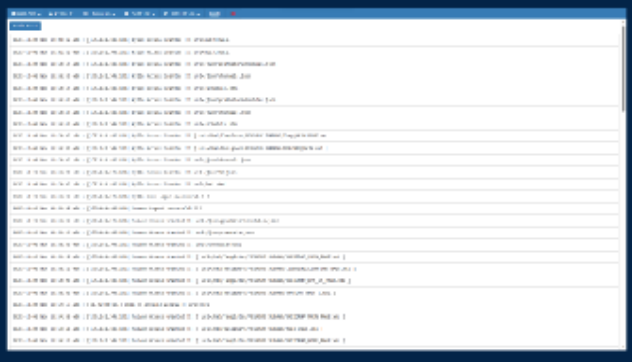
Simple and user-friendly navigation and display

a.Newly web UI design improved.
b.More interactive interface

Dongle and License protection base on the Hardware Unique ID and Serial Number.

Audit trial reporting

a.All user's activity within the system will be recorded and group
b.Report can be extracted to be use on another usage



Expendable storage and ease of database management

a.MySQL structure design for archiving data up to 2 TB and more

Secure and encrypted connection

a.Pegasus IBMS 8 encourage User to use encrypted connection for a better security while browsing the system
b.Access module for each tier to differentiate each level accessibility.
c.Login page can be disable partially to enable each module accessible without login
d.SSL certification replacement also provided

Audit trial reporting

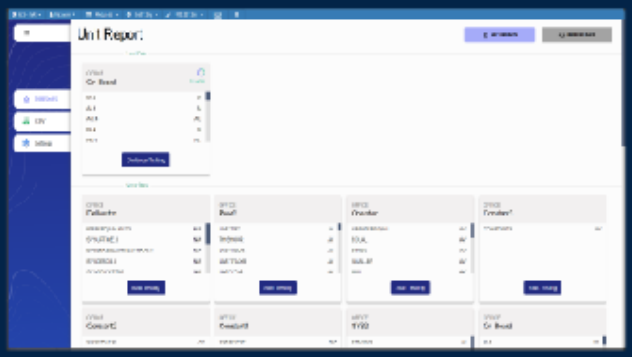
a.All user's activity within the system will be recorded and group
b.Report can be extracted to be use on another usage

Energy & efficiency dashboard

a.Templated, Unique, Customisable energy and efficiency dashboard can be chosen from the system

Templated & custom reporting

a.Customization for reporting available upon demand



Fulfilling the criteria for Industrial Revolution 4.0 (IR 4.0)

a.Architecture design base on IP easier to implement and focus on IR 4.0

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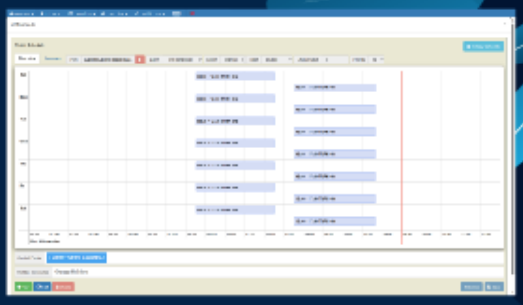
Scheduling

i.Timeline view option implement, better display for a better planning reference
ii.More viewing options available such as table view, timeline view, etc



Logging

i.Accessing the log point directly from the GUI further optimise the method and productivity while using the system

Alarm History

i.Real-time alarm monitoring anywhere ranging from login screen up to the reporting page
ii.Pop-up alarm display to increase user alertness
iii.Include the active alarm and event listing with proper filtering and alarm reporting
iv.Alarm acknowledgment and remark option to leave notes within the user community.
v.Telegram, SMS, Email, Printer, and other external notification available and ready to use.

Multiple screen

i.Up to 16 simultaneous multiple screens can be view in a single Monitor view

What is data analysis?

The Energy Management Dashboard Gateway provides comprehensive insights into energy consumption and weather conditions. It offers various visualizations to help users understand their energy usage patterns and make informed decisions. Here's the breakdown of the features:

Daily Energy Summary Comparison:
Display a table comparing today's and yesterday's energy summary, including total energy consumption, peak demand, and other relevant metrics.

Daily Energy Consumption Last 7 Days (Hourly Bar Graph):
Show a bar graph displaying the daily energy consumption for the last 7 days, segmented by hourly intervals.

Daily Energy Difference Between Yesterday and Today (Meter Graph):
Present a meter graph illustrating the difference in energy consumption between yesterday and today

Today and Yesterday Peak Demand Comparison (Line Graph):
Showcase a line graph comparing the peak demand for both today and yesterday.

Monthly Energy Summary Comparison:
Display a table comparing the energy summary for the current month and the previous month, including total energy consumption, peak demand, and other relevant metrics.

Monthly Energy Consumption Last 30 Days (Daily Bar Graph):
Offer a bar graph view of the daily energy consumption for the last 30 days, providing insights into energy usage patterns over time.

Monthly Energy Difference Between Months (Meter Graph):
Present a meter graph illustrating the difference in energy consumption between this month and the last.

This Month and Last Month Peak Demand Comparison (Line Graph):
Showcase a line graph comparing the peak demand for the current month and the previous month.

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Yearly Energy Summary Comparison:

Display a table comparing the energy summary for the current year and the last year, including total energy consumption, peak demand, and other relevant metrics.

Yearly Energy Consumption for Last 12 Months (Monthly Bar Graph):

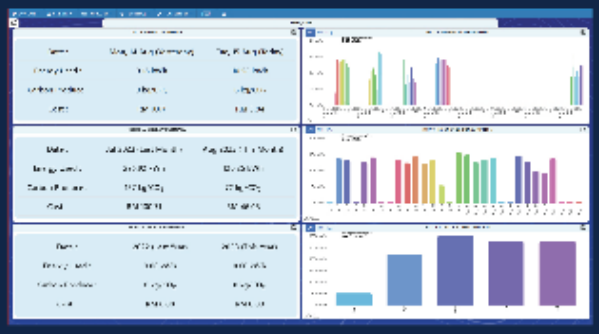
Offer a bar graph view of the monthly energy consumption for the last 12 months, providing insights into long-term energy trends.

Yearly Energy Difference Between This Year and Last Year (Meter Graph):

Present a meter graph illustrating the difference in energy consumption between this year and the last.

This Year and Last Year Peak Demand Comparison (Line Graph):

Showcase a line graph comparing the peak demand for the current year and the previous year.

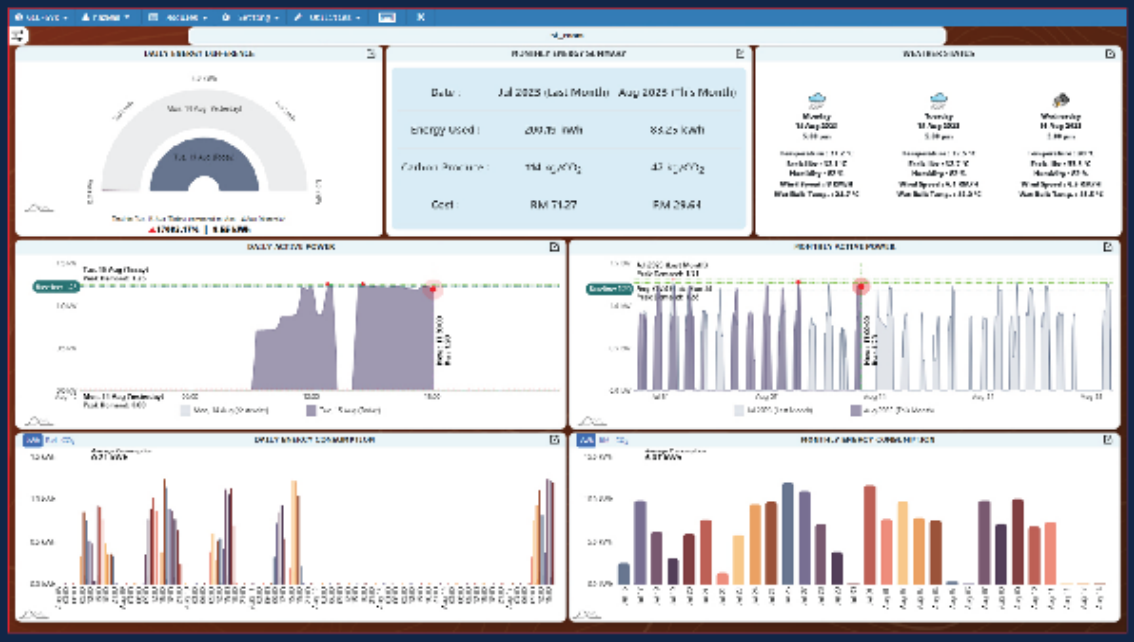


Weather Status for Yesterday, Today, and Tomorrow:

Display the weather information for yesterday, today, and tomorrow, including temperature, feels like temperature, humidity, wind speed, and wet bulb temperature.

Monthly Energy Consumption Last 30 Days (Daily Bar Graph):

Offer a bar graph view of the daily energy consumption for the last 30 days, providing insights into energy usage patterns over time.



Product Overview

Product Name: Pegasus IBMS 8.0
Release Date: Jan 2023
Target Users: Facility managers, building owners, property developers, and operators

Operating System: Linux Ubuntu 20.04.5 LTS (Focal Fossa)
Hardware Requirements: Intel I5 gen 8 and higher, 8GB of RAM, 500GB HDD space, 1 LAN port

Web Browser: Latest versions of popular web browsers for the web-based interface

Supported Building Systems: HVAC (Heating, Ventilation, and Air Conditioning), Lighting Control, Security and Access Control, Fire Safety and Detection, Energy Management, Water Management, Other Custom Systems (Custom integrations may be possible)

Supports industry-standard communication protocols (e.g., BACnet, Modbus, SNMP). Easily integrates with third-party devices and systems via APIs.

Reports on system performance, energy consumption, and fault history.
Licensing terms and conditions, privacy policy, and disclaimer.

Please note that the above product specifications are a general template. Specific details may vary depending on the actual BMS software product, so be sure to provide accurate and detailed information when creating your product specification document.

CONTACT

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