



BROCHURE

HollySys Building Management System (BMS)

Shaping Smarter Spaces for a Connected World

Intelligence For Excellence

www.hollysys.com

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About HollySys

Established in 1993, HollySys stands as a premier provider of intelligent solutions.

HollySys' business encompasses Industrial Intelligence, Transport Intelligence, and Food & Pharmaceutical Intelligence, operating through business centers in Singapore, China, India, Indonesia, the Middle East and Central Asia. With a steadfast commitment to continuous innovation and R&D since its inception, HollySys has been at the forefront of shaping intelligent solutions across diverse industries. Rooted in the belief "Intelligence For Excellence", our dedication revolves around intelligent manufacturing products and solutions, centered on control and safety systems, complemented by instrumentation, industrial software, and full life-cycle and training services. Committed to transforming industries through innovation and excellence in intelligence, HollySys is your trusted partner on the path to heightened efficiency and technological advancement.

Global Customers

35,000+

Global Implemented Projects

45,000+

Global Employees

5,500+

R&D Staffs

1,500+

Intellectual Property

2,000+

Global Presence

60+ Countries





HollySys in Building Automation

Elevating Efficiency, Safety & Comfort with AI-Driven Automation

HollySys is leading the transformation of smart building management with our advanced Building Management System (BMS). Our solution leverages big data analytics and AI for exceptional control over indoor environments. With continuous monitoring and AI-driven optimization, our system ensures ideal thermal comfort, excellent air quality, and optimal energy efficiency – adapting to changing conditions. More than just a control system, our BMS transforms raw operational data into actionable insights that significantly reduce energy consumption and operational costs while enhancing occupant comfort across various settings including corporate offices, transportation hubs, healthcare facilities, and residential communities. Designed for flexibility, the HollySys BMS offers customizable configurations for precise zoning adjustments, airflow management, and predictive maintenance protocols.



Cost Control
Pressure



Diverse Demand
Challenges



E-commerce
Disruption Adaptation



HollySys Building Management Solution

Your Trusted Partner for Future-Ready Building Automation Solutions



Extensive Industry
Expertise



Deep Customer
Insights



Comprehensive
Product Portfolio



Flexible & Customized
Solutions



Scientific Project
Management



Professional
Technical Services



Localized Technology
Adaptation



Lower Operational
Costs



Sustainable
Performance

Application Scenarios

Transforming Diverse Spaces with Adaptive, Industry-Specific Intelligence

Commercial Complexes

Optimizing energy use through smart Air Handling Units (AHU) and lighting intelligence, enhancing comfort while reducing costs



Transport Hubs

Maintaining optimal comfort in high-traffic areas with centralized, intelligent environmental control

Hotels

Delivering personalized guest experiences with advanced room intelligence while improving safety and energy efficiency



Residential Communities

Creating healthy, comfortable living spaces with intelligent climate, lighting, and air quality control

Industrial Facilities

Ensuring reliable, large-scale equipment monitoring and energy management for safer, more efficient operations



Healthcare Buildings

Providing stable, precise control for critical environments, ensuring safety and compliance in medical spaces

Labs & Precision Environments

Offering customized solutions for ultra-precise temperature, humidity, and pressure control in sensitive settings



Data Centers

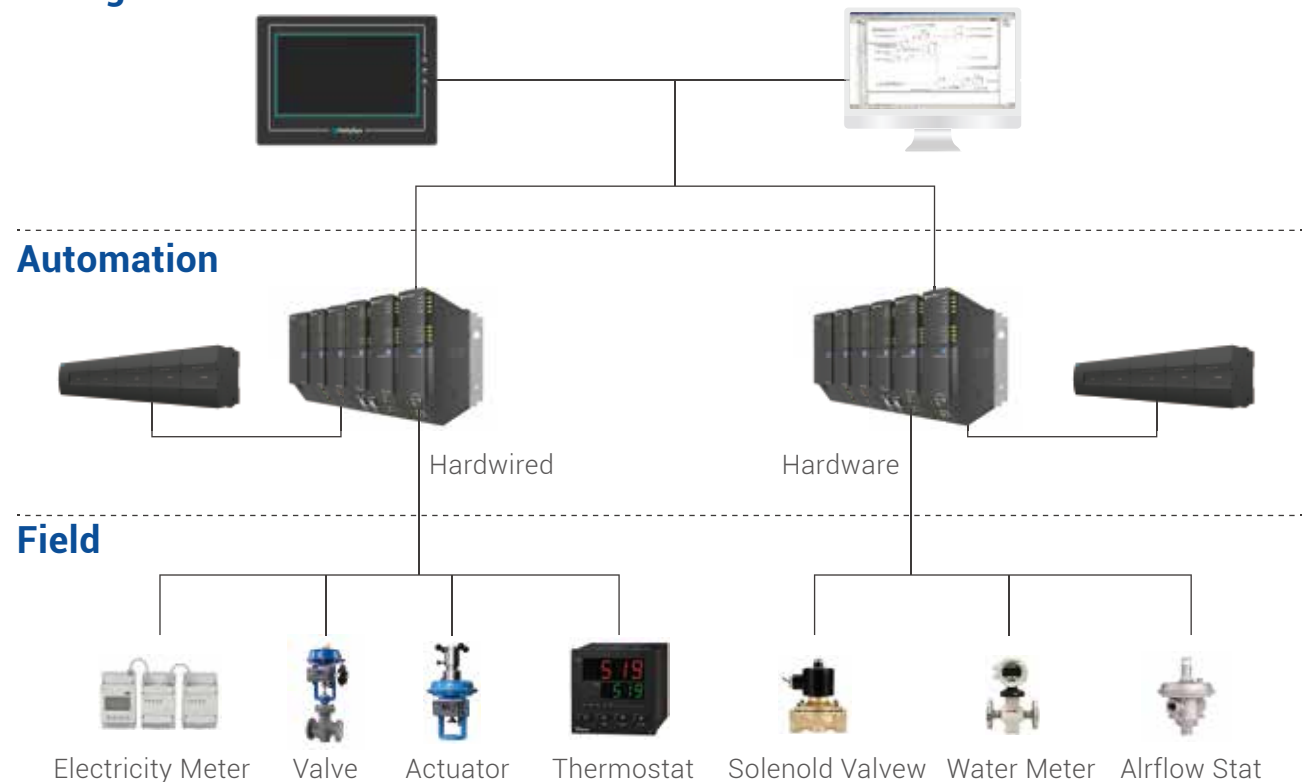
Maximizing uptime and energy efficiency with robust cooling and power management for mission-critical operations

HollySys Building Management Solution

Smart Building Integration for Safety, Efficiency & Sustainability

With extensive industry expertise, HollySys empowers clients to create green, energy-efficient buildings through tailored solutions and a unified smart building management platform. Our integrated approach seamlessly connects climate & energy control, fire alarms, and access control security – enabling real-time monitoring, rapid response, and optimized operations to enhance both safety and business performance.

Management



Main Products

Reliable, High-Performance Products Engineered for Smart Buildings

HollySys provides an optimized suite of SCADA, PLC, and HMI technologies purpose-built for building automation systems. With field-validated PLC solutions renowned for their operational reliability, measurement precision, and system interoperability, we enable next-generation intelligent building management.



SCADA Software

Small, Medium, and Large Automation Applications

Comprehensive monitoring, production scheduling management, environmental protection, energy saving, municipal security



FA-AutoThink

Engineering Software

Unified user interface for hardware setup, control logic programming, compilation, downloading, monitoring, debugging, simulation



LK Large Scale PLC

Medium and Large Applications of Industrial Automation

Rail transit, water treatment, tunnel, integrated pipeline, heating, water conservancy, oil & gas, electric power, production line, metallurgy, tunnel, energy, chemical, mining



LE Compact PLC

Single Device Control

Water supply equipment, Heating Ventilation Air Conditioning (HVAC), packaging equipment, environmental protection equipment, building materials, environmental monitoring, printing machinery



HMI

High-Performance Control Panel

Multi-size touchscreens from 4.3 to 15.6 inches and well integrated with mainstream controllers, inverters, and servos

Climate & Energy Control

Efficiency, Comfort & Sustainability

HollySys delivers advanced intelligent solutions for environmental conditioning and lighting control in modern facilities — seamlessly integrating with HVAC system and others to deliver unparalleled energy efficiency, enhanced occupant comfort, and long-term operational sustainability. Through its innovative approach, HollySys empowers businesses to achieve smarter, more responsive environments while reducing costs and minimizing environmental impact.



Environmental Conditioning

- 24/7 climate precision
- Centralized + personalized management
- Demand-based efficiency



Lighting Control

- Automated monitoring & adjustment
- Cross-system integration
- Energy optimization

Fire Alarms

Intelligent Protection for Your Built Environment

As a global leader in fire alarm systems, HollySys delivers cutting-edge, code-compliant fire detection, emergency communication, and tailored service solutions. Our intelligent fire alarm systems provide customized protection for diverse spaces — offices, public areas, parking lots, open-plan facilities, workshops, electrical rooms, and HVAC plants—ensuring swift installation, effortless programming, and rapid fault resolution for unmatched safety and operational efficiency.



Fire Detection & Alarm

- Advanced detection & PA/VA integration
- Minimized nuisance alarms
- Regulatory compliance



Smart Evacuation

- Dynamic escape routing
- Optimized exit guidance
- Life-saving efficiency



Access Control Security

Intelligent Integration for Total Protection

HollySys delivers advanced security solutions that seamlessly integrate high-definition video surveillance, access control, and intrusion detection through industry-standard interfaces. Our future-ready platform enables intelligent upgrades, ensuring higher efficiency, smarter automation, and rock-solid stability for comprehensive security management.



Facial Recognition

- Rapid identity verification
- Anomaly detection



Access Control

- Multi-level authentication
- Integrated visitor management
- Dynamic permission control
- Unified card system



Video Surveillance

- AI-powered analytics
- 24/7 Coverage
- Event-driven recording
- Scalable & adaptive



Intrusion Alarm

- Proactive threat prevention
- Round-the-clock monitoring
- Seamless system integration

Services

Professional Services to Optimize Your Building Performance

Project Services

Harnessing our vast reservoir of project expertise, coupled with a highly skilled professional team and meticulously refined management processes, we guarantee the delivery of projects that are not only efficient but also exemplify superior quality – all within the stipulated timeframe.

Full Lifecycle Services

We offer full lifecycle services that encompass every phase from project inception to operational management. Our expertise includes sophisticated design, meticulous engineering, seamless commissioning, and efficient operations.

Training Services

At our fully equipped training centers, experienced instructors deliver customized, hands-on system training tailored to your specific operational needs, product requirements, and trainee backgrounds to ensure optimal learning outcomes.

Consulting Services

With our proven expertise in intelligent building management, we provide cutting-edge smart facility solutions that enhance operational efficiency. Our consulting services drive digital transformation across diverse environments, including hotels, commercial buildings, industrial facilities, and so on.



Typical Cases

Commercial Complexes

Alexandra Technopark Air Handling Unit (AHU) Control System Project

Background

Alexandra Technopark, a premier business complex in Singapore, required an advanced control solution for its HVAC infrastructure. The Air Handling Units (AHUs) serve as critical components in the facility's climate control system, responsible for air regulation, filtration, and circulation throughout the complex.

Solution

HollySys provided an energy-efficient BMS to ensure precise temperature and airflow control while maintaining energy efficiency, including LE Compact PLC for monitoring of individual AHUs, and HMI.



Enhanced Operational Efficiency



Reduced Maintenance Costs



Sustainable Building Practices



Transport Hubs

Mandai Rail & Bus Depot BMS Project

Background

The Mandai Rail & Bus Depot serves as the operation control center for Singapore's Thomson-East Coast Line (TEL) and a maintenance facility for trains and buses. The BMS features 2 independent subsystems—Rail and Bus—ensuring comprehensive monitoring throughout the depot. All data is centralized at the control center, enabling efficient oversight and coordination.

Solution

HollySys provided the project PLCs, SCADA, HMI and after-sales services to ensure system stability and performance optimization.



Integrated BMS for
Dual-Mode Operations



Enhanced Operational
Reliability



Contribution to
Sustainable Operations





Hotels


Hilton Singapore Orchard Hotel Chiller Water Plant Control System Project


Background


The Hilton Singapore Orchard Hotel, located in the heart of Singapore's premier shopping district, underwent a S\$1.5 billion renovation in 2022, transforming it into the largest Hilton property in the Asia-Pacific region with 1,080 guest rooms.

Solution

The automation solution for this project incorporated HollySys LK Large-Scale PLCs, delivered through an authorized system integrator.

 Advanced BMS
Solution with HollySys
LK Large-Scale PLCs

 Contribution to
Sustainability and
Energy Efficiency

 Integration with
Hilton's LightStay
Performance Tracking



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