Enterprise Buildings Integrator: The Total Solution for Building Automation and Enterprise Management

Building Automation Solutions for the Process Industries

Reduced Operating Costs
Productivity
Efficiency
Safety and Security

Honeywell Enterprise Buildings Integrator
Nothing is more vital to your company’s success than the ability to process information quickly and strategically control your operations. For this reason, more and more organizations are utilizing sophisticated automation systems to more effectively monitor and manage their buildings, facilities, people and processes. Today, building automation can vastly improve the productivity, efficiency and security of all the facilities across your enterprise.

And the most powerful, comprehensive and flexible building automation solution is the Enterprise Buildings Integrator from Honeywell.

Enterprise Buildings Integrator—The Total Solution for Building Management

Honeywell Enterprise Buildings Integrator™ (EBI) is a comprehensive automation solution that can be tailored for your specific needs. EBI provides a single point of access to all the information and resources you need to help maximize your productivity, optimize your assets, lower your operating costs, secure your facility and safeguard your employees. Honeywell EBI is a powerful suite of applications that provides integrated, cost-effective control of Building Automation, Security, Life Safety, Digital Video, and Asset Location systems. By combining these applications, EBI can be customized to the needs of virtually any plant or mill including: oil and gas, refining and petrochemicals, pulp, paper and printing, pharmaceutical manufacturing and biomedical firms, chemicals and plastics, metals, mining and minerals, power and energy, and consumer product goods.
EBI provides overall system management by collecting information from multiple points across your enterprise systems and using this intelligently to improve system operation.

- A former employee is denied access or the ability to log onto the network based on data from a Human Resource application. Access is denied for employees who do not have proper training certification, such as hazardous materials, lead test, machinery operation, and confined workspace.
- A visitor management system can grant access to site contractors by time of day, duration or project expiration.
- A cardholder automatically triggers lights and temperature control as he enters an area.
- A fire or intrusion alarm activates camera recording during (and even before) the event. Operator action is facilitated by display of live video, a specific floor schematic and action plan.
- An accident or chemical leak occurs and a worker can instantly call for location-specific help with the push of an Asset Locator duress button.
- A critical environment alarm notifies a facility or plant manager via page or email.
- A fire emergency activates fans and dampers to control the spread of smoke, and unlocks security doors for safe egress.
- A high-value critical asset is removed from a lab alerting security to its movement and activating a camera in the area to record the event.
- A muster site is established for employees to gather in the event of an emergency. When an alarm occurs, their badges are recorded by the muster point reader, which generates a report indicating to authorities who may still be in the building.
Honeywell EBI Enables you to Integrate any or all of these Powerful Applications:

**Building Management**
EBI integrates and controls HVAC and lighting, reducing energy usage for improved efficiency. The Honeywell Building Manager lets you better monitor and manage your critical building operations through advanced trending analysis, energy use reporting, and more precise operational control. Based on an open architecture, this application works seamlessly with most building automation products and systems including BACnet and LonWorks.

**Security Management**
EBI processes information from security, access control and surveillance devices to help protect your people, assets and intellectual property. The Honeywell Security Manager is a highly configurable security management system that provides centralized alarming with cardholder management that utilizes the power of Microsoft’s SQL 2000 and interfaces easily with human resources databases.

**Life Safety Management**
EBI provides primary monitoring and full control of a building’s key life safety systems—systems designed to provide early warning of smoke and fire conditions and safe evacuation of building occupants. The Honeywell LifeSafety Manager also features event information, response prompting and tracking capabilities that make it an exceptional incident management and regulatory compliance tool.

**Digital Video Management**
EBI allows surveillance of your facility using new or existing cameras connected directly to your LAN or via traditional coaxial cabling, enabling unsurpassed flexibility, cost-effectiveness and performance.
EBI provides single-source, integrated control of any or all of the following functions:

- HVAC monitoring and control
- Lighting control
- Energy usage monitoring
- Access controllers and card readers
- Security monitoring
- Fire detection and alarm
- Emergency communications
- Asset and personnel tracking
- Analog CCTV systems
- Digital video management
- Industrial process controllers
- Enterprise management systems (e.g. SAP, PeopleSoft)
- Time and attendance systems
- Maintenance management
- Web, Internet and intranet pages and systems
- Biometric access control devices

And when combined with either Honeywell’s next-generation Process Knowledge System™ Experion PKS™ or its PlantScape® True Hybrid Control™ system, EBI will deliver a powerful production manufacturing solution that unifies business, process, building, and asset management capabilities in a single solution while facilitating workflow and automating work processes. Integration of these systems is seamless as they are all built upon a common, plant-wide architecture allowing users to easily share data between platforms.
Our use of Microsoft Windows 2000 servers means EBI requires no proprietary hardware. A high-performance Microsoft SQL Server 2000 database provides information to Windows 2000 workstations connected locally and remotely, and may be defined with dedicated or shared access connections. Optional distributed-server architecture permits central alarm and cardholder management, while allowing local management through remote-site servers.

Networking functions are based on standard TCP/IP protocol, allowing easy integration with existing systems and devices—including local and wide-area networks (LAN and WAN) as well as serial and dial-up access. EBI communicates with your enterprise’s PC networks, corporate management information systems and other business systems to provide users actionable, real-time information.

Key Features

- Patented Web-based user interface provides secure access to full system functionality using a standard Web browser.
- Open systems architecture supporting leading industry standards: HTML, BACnet, LonWorks, ODBC, OPC, Advanced DDE and Modbus.
- Integration with enterprise systems, Internet and intranet sources allowing intelligent management of key business information.
- Designed and developed to International Standards ISO 9001 for quality assurance.
- Software Engineering Institute (SEI) Level 4 Certified.


Honeywell EBI’s open system architecture supports virtually all industry standards. Its modular design delivers cost-effective scalability—supporting configurations that range from standalone, single-building systems to multi-facility systems with multiple servers.
Take Your Company to the Next Level of Productivity and Profit

To learn how Enterprise Buildings Integrator can enhance your site’s productivity, efficiency and security, contact your Honeywell account manager or call us at 1-800-223-8947 or 1-602-313-3985. You may also visit our Web site at www.acs.honeywell.com or email us at ACS.Service@honeywell.com.