

# USE CASES



Connectivity. Integration. Automation. Command & Control.  
Data Access & Normalization. Analytics.  
Cloud Services for Smart Buildings.

## LYNXSPRING TECHNOLOGY, SERVICES AND SOLUTIONS

Proven technology, smart building integration and energy management solutions from Lynxspring are deployed in thousands of commercial buildings and facilities representing billions of square feet in the built environment.

Lynxspring combines smart building management software and services with hardware innovation. This enables system integrators to deliver versatile and tailored smart building system solutions. For end-users we provide the openness and choice demanded in managing and operating facilities.





## About Lynxpring

Embracing open software and hardware platforms, Lynxpring develops, manufactures and distributes edge-to-enterprise solutions and IoT technology, to create intelligent buildings, better energy management, equipment control, and specialty machine-to-machine applications.

Lynxpring technologies and solutions simplify connectivity, integration, interoperability, and data access and analytics from the edge-to-the enterprise.

For more information about Lynxpring, visit [www.lynxspring.com](http://www.lynxspring.com).



## LIGHTING

A major city's convention center, initially built in 1980, is currently being retrofitted and upgraded with smart building technology. Over one hundred lighting panels are in the process of being replaced.

These new panels communicate with the existing facilities management system. This system, provided by a major HVAC manufacturer operating on BACnet protocol, directed the lighting panel controller companies to work with Lynxpring.

Lynxpring added a driver on our device to act as the gateway to communicate BACnet between the new custom lighting panels. The facilities operator is now capable of monitoring, controlling and managing the light panel from a dashboard.

## CORPORATE

A major energy provider wanted to *put into practice what they preached* when it came to energy efficiency and lower energy use at their urban, 700,000 square foot, 22-story office tower. They also wanted to create a supportive, healthy, productive and creative work environment for their employees.

Selected for its ability to integrate diverse building systems and equipment, Lynxpring technology and solutions are connecting multiple systems and equipment within the facility. Data received on temperature, ventilation, and energy is helping to create a smart building that uses less energy, is more efficient and has lower operating costs.

One challenge was deploying an infrastructure that was flexible enough to accommodate future changes in design criteria. The hardware and software required neutral data and point information allowing for an integrated layout and installation.

Since initially occupying the building, the company has exceeded the original target of *60% energy savings*. The building is *saving* the company *\$15 million* in annual operating costs resulting from energy efficiencies, productivity improvements and co-location of employee and other design features.

## GOVERNMENT

A group of three federal buildings that were built in the 1960's and 1970's, made several attempts to upgrade building operational controls and systems resulting in a myriad of systems that provided different islands of connectivity and control.

Since these legacy systems did not share information, having building technicians service and run the equipment was difficult and cumbersome at best.

Incorporating Lynxspring's open, intelligent building technology and operating system—nine different manufacturer's equipment and systems, three network management tools, and two building automation software packages were consolidated.

A single-source, real-time and graphically-consistent building infrastructure for all devices was used. In addition, a 24-hour, internet-based alarm monitoring system was added to warn maintenance supervisors of any pending building control issues.

*The solution is overseeing thousands of nodes and over 18,000 points, using products from 14 different manufacturers and installed by five different contractors—all of which are now integrated and controlled centrally.*

Managers can now read real-time energy and operational data and send commands to and from different devices enabling them to take immediate action to help manage energy consumption and costs, correct comfort problems and incorporate smart operational building management practices.

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## NATIONAL JEWELRY RETAILER

A national chain of jewelry stores is using Lynxspring products, solutions and services to monitor more than 125 locations including several sites with legacy operating equipment and systems.

Lynxspring *engineered a common station design for each site* and a supervisor IoT architecture for single login access to all locations with alarming, history logging and base analytics.

The retailer can now monitor, control and maintain their sites ensuring comfort and energy savings. Remote access and monitoring also helps reduce maintenance budgets. Staff can quickly evaluate/troubleshoot service calls and alarms before sending a service tech onsite.



## PHARMACEUTICAL RETAILER

In partnership with a major U.S. pharmaceutical retailer, Lynxspring engineered a common master IoT platform that serves as the *standard interoperable, integration and commissioning model* for more than *1,500 retail locations* throughout the United States.

To integrate disparate technologies, Lynxspring designed an application with a custom interface so all systems communicate with the supervisor at the retailer's headquarters. With a common interface, the client can now globally adjust operating hours, set holiday schedules, receive alarms, and analyze usage data to optimize resources. Equipment data is fed into their in-house analytics solution.

  
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