LYNXSPRING®
Technology Solutions Partner

JENEsys® Smart Grow Solutions

*Control, manage, and operate your facilities
at peak performance and efficiency levels.*

.

JENESYS®
BY LYNXSPRING

Increase Harvest Yield
Optimize HVAC Systems
Increase Energy Efficiency
Monitor Indoor Grow Environment

JENEsys' scalable, modular platform is designed to meet the needs of today's fast-changing, fast-growing enterprises, whether it is a single facility or multi-building environment.

Strategic Operation of Grow Environments

Grow facilities are now operating with a wide range of equipment controlling their HVAC, energy management, lighting, and security systems and are now looking to install, improve or upgrade these systems to adapt to ever changing conditions and mandates.

Energy costs and product yield as well as quality are major driving factors towards the ultimate profitability of your agricultural business. Integrating these systems and equipment as well as managing facility assets has a definite impact on a businesses' bottom line.

Constant 24/7 monitoring of ventilation, air distribution and lighting control require a centrally managed energy portfolio to track increased energy usage and identify efficiencies.

This requires the strategic acquisition of and maintenance of reliable data and using it to identify key performance indicators (KPIs).

When integration and interoperability is limited between equipment systems, it is difficult see relative peak performance levels and what opportunities exist to reduce and control energy costs.

Traditionally, this challenge has arisen from many devices speaking many different protocols, making it difficult to connect and communicate between the edge and the enterprise.

JENEsys® Smart Grow Solutions

JENEsys® Smart Grow Solutions streamline all areas of your operations—maintenance, lighting control and energy management—providing interoperability and integration whether it is a small grow room or large agricultural grow environment.

JENEsys, powered by the Niagara Framework®, is an open operating system that combines connectivity, integration and interoperability, supervision and control, energy management, visualization, and data analytics into a single architecture within a cyber secure-environment.

Incorporating a single control station, JENEsys connects, and correlates data from equipment like temperature and humidity sensors, HVAC systems, lighting, and edge devices. This enables grow facility operators to work from a common platform to achieve operational efficiencies between multiple equipment systems and devices.

Built on an open protocol platform, JENEsys meets the specific needs of each facility and their systems and allows you to continually build off the same network deployment and add additional applications as desired.

Whether you have a single building, manage multiple sites, JENEsys is cost effective and is ideal for any size and type of agricultural setting.

JENEsys Delivers Business Value

- Preserves existing system investments and integrates them with new open standards-based technologies.

- Provides access and control for all your facility operating systems.

- Combines data from different systems to better support overall facility operation, performance, and energy management.

- Enables specification of systems and applications from multiple vendors reducing the potential for vendor lock-in.

JENEsys Delivers Operating Value (ROI)

Financial and Business Management

- Streamlines/integrates multiple operations via a central location.

- Improves profitability by lowering cost of operations.

- Improves workflow and resource management.

Energy Management

- Supports improved energy control and management.

- Easily provides data on consumption patterns and trends.

- Helps to identify and reduce energy utilization and costs.
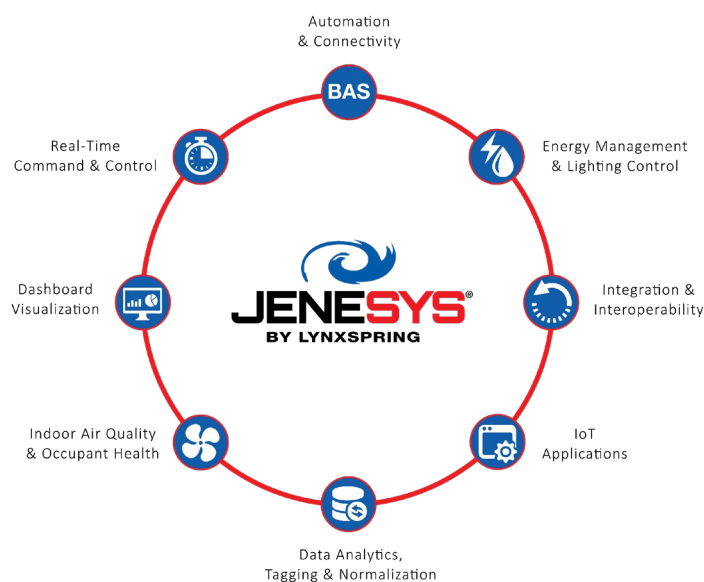
Facility and Equipment Management

- Increased system and equipment functionality.

- Reduces equipment downtime/ maximizes lifetime value.

- Improves visibility into operational assets.

Maintenance and Operations

- Quick troubleshooting/resolution of revenue-impacting areas.

- Easily enables remote diagnostics and repair.

- Supports preventative maintenance.

JENEsys Delivers Solutions

- A single tool with multi-vendor interoperability.

- Device universality

- Open system and open standards.

- Easy installation and rapid deployment.

- Remote access and management.

- Scalability, flexibility, and extensibility.

- Supports multi-party software and hardware.

- Real-time data driven dashboards.

- UI on web, desktop, and mobile.

- Co-existence of multi-applications.

JENEsys and Energy Management

Today's importance of maximizing the efficiency of equipment and energy management systems has become even more critical both economically and environmentally.

JENEsys' energy management capabilities, lighting control and data analytics serves as a comprehensive tool that helps grow facilities to better manage energy metering, identify trends, resolve potential energy inefficiencies, and reduce overall operating costs.

JENEsys provides dashboard visibility into energy consumption and utilization patterns of facilities, making it easier to manage and identify opportunities for performance improvement and cost savings.

Combined with real-time management and control, JENEsys enables better optimization of equipment run times and demand response. By optimizing a grow environment's energy usage, facilities can benefit by *double digit energy reductions.*

(816) 347-3500
sales@lynxspring.com
www.lynxspring.com

Embracing open software and hardware platforms, Lynxspring develops, manufactures, distributes, and supports edge-to-enterprise solutions and IoT technology that create smarter buildings, smart equipment, and smart applications. The company's technologies and solutions provide the connectivity, control, integration, interoperability, data access and management and analytics enabling users to extract insight, value, and outcomes from operational data.

Lynxspring Professional Services provides comprehensive building automation controls, integration, and application services for all types of buildings, single facility and multi-building environments, new systems, or legacy systems.

Lynxspring's solutions are deployed in millions of square feet of commercial settings in the United States and internationally.

Smart Technology. Smart Equipment. Smart Solutions.
Smarter Buildings.