Intelligent Equipment.

Smart Devices.

Smart Systems for OEMs.
Advancements in technology for equipment OEMs are fundamentally shifting the competitive business landscape by providing new opportunities to create and deliver value. Data from connected equipment, is powering new innovative applications, enhancing business processes, enriching customer processes, and delivering new insights of information.

Lynxspring understands the value of connecting equipment and the collection and exchange of accurate data for driving cost-savings, increased customer satisfaction, brand differentiation, and increased revenues. This transformation from isolated systems to connected Internet-enabled equipment that communicate with each other and with the Cloud is generating unprecedented opportunities for new services, enhanced productivity and efficiency, improved real-time decision making and innovative user experiences.

Central to this is our ability to securely connect remotely; interact and integrate equipment and sensor data with core business systems and applications; and turn data into smart data that is valuable. This data can easily be accessed and used for additional service(s), operational and performance improvements, preventative and predictive maintenance and extending the lifetime value of the equipment.

Intelligent Equipment.
Smart Devices. Smart Systems.
Technologies, Capabilities and Services

Lynxspring’s development capabilities and services portfolio for OEM’s incorporate open software frameworks, and modular embedded platforms that support multiple protocols, two-way communications, data exchange and analytics that enable OEMs to take full advantage of the Internet of Things. Our technologies include two core IP enabled frameworks, a variety of building blocks, hardware, applications, programming tools, multiple connection options and Cloud Services. Our highly skilled team of application engineers, developers and project managers utilize a combination of proven tools, best practices and domain knowledge for maximum value and reduced time to deployment.

How It’s Done

Discovery Lynxspring’s technical experts engage directly with you to develop a document (Functional Specification) which becomes the guideline for all future activities related to the project. The Functional Specification is valid with any development house.

Development Once the Discovery process is concluded and the Functional Specification is completed and accepted, Lynxspring authors a Development and License Agreement to the client including pricing and timed deliverables. If accepted, Lynxspring begins work according to the Functional Specification guidelines. Deliverables are made against milestones for the OEM to touch and feel, this process ensures we are on target with your project throughout Development.

Deployment Deployment is the rollout of the finished product, based on your needs and requirements. Simple projects may consist of only a review and turnover to development of training and materials. Maintenance and ongoing support are also addressed and vary based on your requirements incorporated in the Development and License Agreement. We offer classroom, on line training, and train the trainer programs. The development and all corresponding training can be made available as computer based training or through Lynxspring’s training website.

Let Lynxspring become your OEM development partner for your equipment and related analytics.

Some examples from our portfolio of solutions:

- Data pump
- Direct to cloud
- Cellular Routers
- Warranty analysis
- Securing data for analytics
- Quick serve restaurant applications
- Food service control and HACCP analysis
- Predictive service and parts replacement
- Continuous commissioning
- Small building applications
- Control of equipment
- Energy monitoring
- Bridge solutions
- Cyber security
Any Protocol. Anytime. Anywhere
Helixx™ is a continuous innovation framework that simplifies connectivity, device management, equipment/sensor data management and the development of applications that monitor, manage and control equipment and devices.

Providing all the capabilities needed for the server-side of an IoT architecture and provides reference components for the device layer, Helixx has been designed with a “one tool-do it once” (design application once and deploy across multiple settings) environment for functional configuration that ties everything together for rapid development and deployment and has all the features needed to connect, control, analyze, protect and manage devices and equipment for the Internet of Things. Bringing new, advanced capabilities of open source software together in a secured environment to deliver connectivity, data collection, analytics and control in real-time to device-to-Cloud, device-to-device and to the edge, Helixx has been architectured so it can be deployed just about anywhere and on any device, controller, sensor, equipment etc.

Onyxx™ is an embedded edge platform consisting of a family of modular, open, hardware and gateways supporting multiple devices across key market segments, edge to enterprise and Cloud applications. Designed using the Lynxspring Smart Module™, you can easily implement device data collection, exchange and management capabilities, API management, a rules engine, event notification and data storage within a secured environment. The Onyxx platform provides a selection of connectivity and capacity options to support a variety of applications and go beyond simple device connectivity to include device configuration, device management, and device-level application enablement. This incremental functionality allows OEMs to deliver greater value.

Lynxspring Connexxion is a secure and scalable foundation on which to deploy cloud based data management applications for connected equipment and systems; configured and administered using simple browser-based interfaces or via Web services.

Developed with scalability from the very beginning, the Lynxspring Connexxion has been built to handle demand when and where needed with both wired and wireless secured access. With tagging, data modeling, a rules engine and logic included application migration to is easy and can be done without changes to the underlying design of the application.

Niagara Framework enables for the connection, integration and normalization of diverse and dispersed devices and equipment into a common environment and supports multiple embedded platforms making it easy to build on rather than starting from scratch.
Over the years, Lynxspring has developed strong OEM relationships. Our services help OEMs realize maximum ROI, capture value, optimize resources, and reduce time to deployment. Lynxspring’s rapid prototyping control development methodology based on open source software and open hardware technologies shortens the overall deployment time, delivering a more efficient time-to-market made possible by faster iteration cycles for development, testing and production. It allows us to quickly build industry-specific IoT solutions and integrates disparate systems, utilizing API management that is able to run from the embedded device up through the cloud to reduce time-to-market and total cost of ownership.

We have done this through a combination of technology and services including:

- Development
- Configuration and Design
- Application Development
- Strategic Advisory Services
- Data Management & Analytics
- Ongoing Project Management
- Cyber Security
- Commissioning
- Dashboard and UI Design
- Driver Development
- Technical Support

Services
Turning Point

We have entered a turning point in our industry that is creating a monumental shift as our connected world and the Internet of Things (IoT) increase its influence on equipment and the OEMs who manufacture them. The full range of possibilities created by IoT continues to grow and is now being realized by OEMs across the world. The impact of these technologies are fundamentally revolutionizing the way products are developed and how OEMs do business.

Delivering Benefits for OEMs

- Reduce project implementation requirements
- Incorporate a software development environment that provides pre-integrated and fully tested, ready-to-use components
- Frees your organization from supporting high cost, time consuming development functions
- Enables you to build products and applications with proven reliability, integrity, flexibility
- Opens up remote access and programming
- Shortens design cycle
- Lower costs and minimized risks – Take advantage of much lower upfront capital investment
- Faster time-to-value and market – Reduces the time required in development so get to market quicker
- Rapid and easy implementation – Reduce initial project implementation requirements
- Design technically and philosophical to your specifications; create more features and functionality
- Proven technology

Delivering Value for OEMs

Leverage our 12+ years of OEM and deep industry experience to help you accelerate your time-to-market, reduce risk and drive improved business outcomes in your business.

- Eliminate developing solutions from scratch
- Reduce R&D cost and deployment time
- Provides a foundation for solutions with with flexible fundamental building blocks
- Reduces cost development
- Frees your personnel to focus on core business
- Enables rapid application development in an open, non-protocol dependency environment
- Equipment can interact with each other using distributed computing architectures and open standards
- Empowers you to generate value and revenue streams with real-time operational data
- Capture, analyzed, and share real time product information
- Enable remote monitor and service with contentious connectivity without latency issues
- Improves responsiveness and other key quality of service measures
- Supports a software development environment that provides pre-integrated and fully tested, ready-to-use hardware and software
- Maximum flexibility in IoT implementations
- Cellular Connectivity enabling OEM to Safely and Securely obtain the Data without IT infrastructure

Our interest is to become your OEM development partner for your equipment and related analytics to your specifications. Our benefit to you is that you can have product built to your exact requirements in a timely manner rather than try and modify existing technology to your unique requirements.
About Lynxspring

Lynxspring is changing the way devices, systems, and people communicate and collaborate across Enterprises. Embracing open, interoperable IP-based software and hardware platforms, we design, manufacture and distribute JENEsys® (Powered by Niagara), Onyx™ and Helixx™ based automation and cyber security technology and edge-to-enterprise solutions for Building Automation, Energy Management, Cyber Protection, Equipment Control and other Specialty applications. Our technologies simplify the automation and information architecture across the enterprise and significantly lowers cost and enables users to go further to manage and operate their facilities and equipment smarter, safer, securely, more efficiently, and at peak performance levels.

Lynxspring – GO FURTHER.

For more information on Lynxspring, please contact us at 816-347-3500 or at www.lynxspring.com.