Extending Your Value of the Niagara Framework® with JENEsys Edge®

by Marc Petock

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JENESYS **edge**®
BY LYNXSPRING

The Niagara Framework is a powerful platform for operating and managing buildings and facilities. It provides a flexible and scalable infrastructure for connecting and integrating diverse equipment, devices, systems, and protocols into a unified framework. It is the most ubiquitous platform within the built environment.

With the increasing demands and necessities coming from owners and operators and the changes in the ways buildings need to be managed and operated today, extending the value of Niagara is now a must do instead of a nice to do.

Extending value requires a thorough understanding of the platform to unlock its full potential and match it with the market opportunities that are available. Lynxspring has accomplished this with its **JENEsys Edge portfolio** of Niagara embedded, programmable and application specific IP Edge controllers and extension modules.
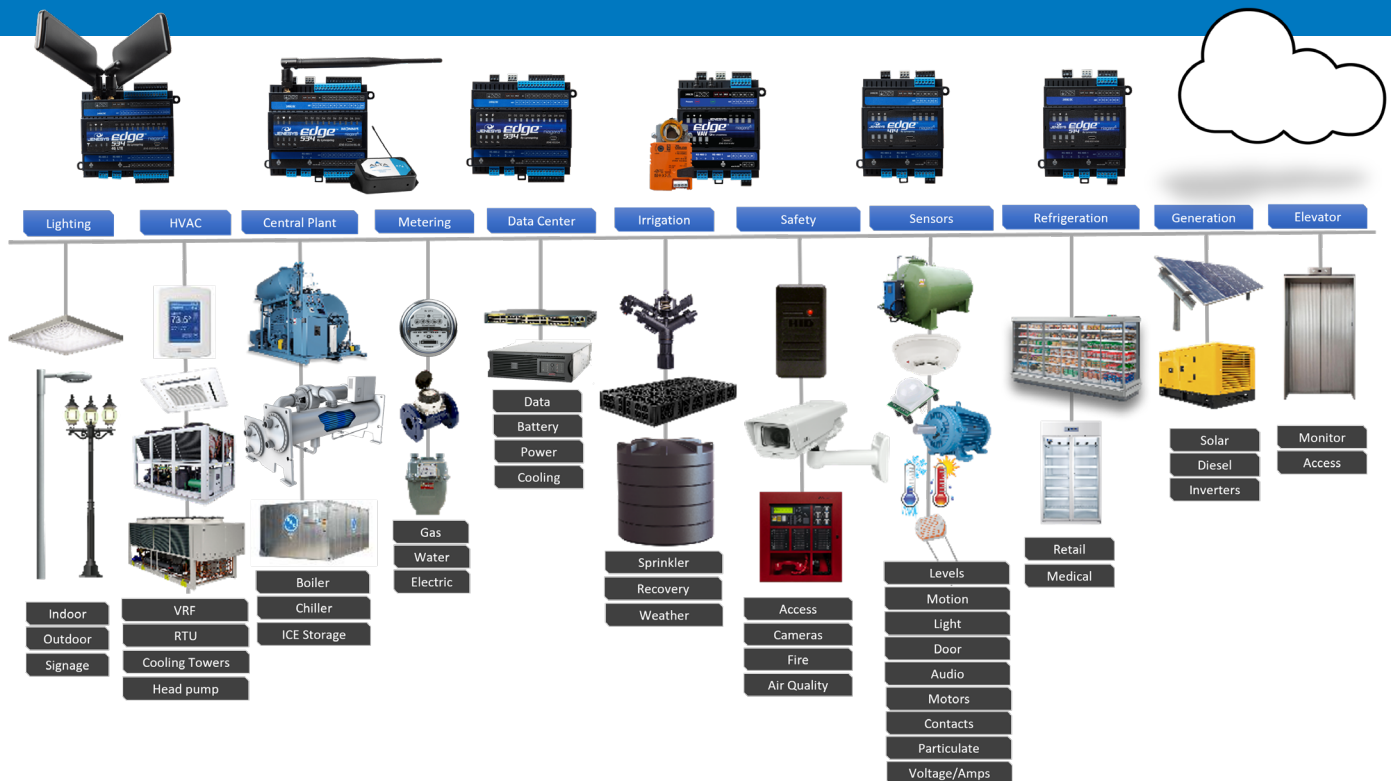
The portfolio is ideal for any building and facility including small to mid-sized facilities, multi-site environments; plant, unitary and equipment control such as air handling units, roof top units, boilers, fan coil units, heat pumps, VAV's and more.

JENEsys Edge creates value on the technology and solutions side and extends value on the business side.

Let us look at these further…

Technology

- Built on the Linux OS platform and embedded with the Niagara 4 Framework

- Leverages Open Niagara 4 Framework Workbench, programming tools, and Fox Protocol

- Runs the full Niagara 4 stack with several licensing options available

- Open NiCS

- IP based

- Supports BACnet IP, BACnet MSTP, Modbus TCP/IP and Modbus RTU

- Superior flexibility with comprehensive capabilities including data access, integrated alarming, trending, scheduling that makes for a dynamic edge device as a stand-alone or as part of smart building end-to-end infrastructure and ecosystem

- Easy application programming and configuration

- Built in and expandable I/O point capacity allows you to connect multiple I/O modules.

- One universal platform across an entire architecture-single programming tool and interface up and down the network - edge, middle, enterprise - complete Niagara network from the Edge to Enterprise

- Easily connects to a Niagara Supervisor, Enterprise, and Cloud

- Integrates with other building applications

- Fast deployment times, reduced setup, and operational costs

- Integrates with most applications and systems

- Common operation of Niagara as well as running the latest tools directly on the controller

- Made in the USA

- Leverage available EDGE Centric Applications (ECAs) for reduced programming and/or engineering effort

- No new additional Niagara training needed

- Scalable

- Powerful hardware platform

- Supports legacy BAS

- Drivers included

- Horizontal Architecture using JENEsys Edge controllers provides for the ability to deploy and support a Horizontal architecture and topology

Lighting	HVAC	Central Plant	Metering	Data Center	Irrigation	Safety	Sensors	Refrigeration	Generation	Elevator

Indoor	VRF	Boiler	Gas	Data	Sprinkler	Access	Levels	Retail	Solar	Monitor
Outdoor	RTU	Chiller	Water	Battery	Recovery	Cameras	Motion	Medical	Diesel	Access
Signage	Cooling Towers	ICE Storage	Electric	Power	Weather	Fire	Light		Inverters	
	Head pump			Cooling		Air Quality	Door			
							Audio			
							Motors			
							Contacts			
							Particulate			
							Voltage/Amps			

Business

- **The Niagara Name**
  Take advantage of Niagara brand awareness, market acceptance, and positive association with building owners and operators

- **Maximize investment already made in Niagara**
  Financial, Service, Training, Support

- **New Opportunities**
  Deliver new use cases and places where Niagara can be deployed.

- **Ensure Customer Loyalty and Longevity**
  Give existing customers more options; and in this case, not having to spend additional time and money having to learn a new technology.

- **Attract New Customers**
  Win over new customers looking to keep up with managing and operating their facilities in today's environment.

- **Contributes to Enabling New Sustainability Programs**

- **Competitive Advantage**
  Stand out from other Niagara providers who can only provide JACE's.

- **Specifications**
  Meet the response from increased specifications calling for the use of IP.

- **Special incentives from Lynxspring**

Summary

The JENEsys Edge portfolio meets today's requirements to connect, manage and control closer to where the data is whether it be equipment, a single facility, or a multi-site environment. The versatility, functionality and broad footprint of these controllers using the industry's most widely deployed platform makes them powerful, cost-effective, and economical solutions for system integrators, building operators and equipment manufacturers.

LYNXSPRING®

ONE PLATFORM
MANY POSSIBILITES

Easy Integration with New & Legacy Systems
Reduced Engineering Time & Installation Costs
Modular with Built-In Expandable IO
Building, VAV, Unitary, Equipment & Plant Control

JENESYS edge® BY LYNXSPRING

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Lynxspring's JENEsys Edge portfolio is a series of flexible, programmable and application specific IP Edge controllers and accompanying extension modules enabling IP connectivity, integration, interoperability, data access and control at the edge.

The portfolio is ideal for any building and facility including small to mid-sized facilities, multi-site environments; plant and equipment control such as air handling units, roof top units, boilers, fan coil units, heat pumps and more and IoT applications requiring smart, edge technology.

This powerful portfolio meets today's requirements to connect, manage and control closer to where the data is whether it be equipment, a single facility, or a multi-site environment. The versatility, functionality and broad footprint of these controllers using the industry's most widely deployed platform makes them powerful, cost-effective, and economical solutions for system integrators, building operators and equipment manufacturers.

About Lynxspring

Embracing open software and hardware platforms, Lynxspring develops, manufactures, distributes, and supports edge-to-enterprise solutions and IoT technology that create smart buildings, smart equipment, and smart applications.

The company's technologies and solutions provide connectivity, control, integration, interoperability, data access and management enabling users to extract insight, value, and outcomes from operational data. Lynxspring's solutions are deployed in millions of square feet of commercial settings in the United States and internationally.

More information about Lynxspring is available at: https://www.lynxspring.com

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LYNXSPRING®

Smart Technology. Smart Equipment. Smart Solutions.

Smarter Buildings