

Capability Statement

Legacy Building Upgrades



CORE COMPETENCIES

S4 Integration Solutions, Inc. develops and distributes communications gateway technology used to cost effectively, and with minimal interruption, upgrade building automation systems (BAS) in legacy buildings.

These legacy BAS systems were typically installed when the building was constructed, are proprietary, and many have never been upgraded or properly maintained.

There are two primary use cases for S4 Integration Solutions products.

1. Providing the gateway technology to replace the legacy Operator Workstation and building level controller technology with current generation, open, BACnet-based technology from any BAS manufacturer. Then, over time, as budgets and operational demands dictate upgrade the rest of the system in phases over a period of years.
2. Utilize the S4 Integration solutions product as the enabling technology to unlock the data in proprietary BAS installations and introduce value added applications such as energy management, analytics, fault detection and correction, or continuous commissioning.

S4 Integration products are compatible with any BACnet-compatible application or service.

A prime contractor would deliver the total solution to a building owner / operator using S4 technology. In some cases, we may develop custom applications as a special project. The value proposition and ROI is generated by the combination of the S4 Integration product acting as enabling technology and one of more BACnet BAS or value-added applications operating on the data from the legacy or proprietary system.

CONTACT INFORMATION

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COMPANY DATA

The S4 Integration Solutions, Inc. is located at:
1090 E 4600 S

DIFFERENTIATORS

S4 Integration products establish a cost-effective gateway to BACnet IP in the short term, quickly adding value and extending the life of legacy systems.

Auto discovery, the setup wizard, and device templates for each field device minimize the man hours and risk required to integrate legacy devices to BACnet.

The current production system is the S4 BACnet ecobee Integration. The next release will support integration for Metasys N2 based systems. Future releases will include support for Siemens Apogee, Novar, and multiple additional legacy or proprietary building automation environments.

Custom integrations can be contracted as special projects.

The following items define why The S4 Integration Solutions is the go-to source for the BAS industry.

The S4 Integration Solutions support any device found on a legacy or proprietary field bus. For the S4 BACnet ecobee Integration this includes any model ecobee thermostat. For the S4 BACnet N2 Integration this includes N2 Open, VMA, Vendor Devices, Metasys® Integrator, and Centaurus Integrator devices.

All programming is supported by the field device are supported, limited only by programming in the field device itself.

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Ogden, UT 84403

The S4 Integration Solutions is a small business formed in 2023 and is incorporated in the State of Utah as an S-Corp. We are registered in the SAM database. Our web site is <https://www.S4IntegrationSolutions.com>. S4 is also active on LinkedIn and in many building automation forums.

SAM UEI: GXHTU7KWCLQ3 CAGE: 9P5K3

NAICS Codes:

- 236220 - Commercial and Institutional Building Construction
- 238210 Electrical Contractors and Other Wiring Installation Contractors
- 23822 Plumbing, Heating, and Air-Conditioning Contractors
- 334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
- 335314 Relay and Industrial Control Manufacturing
- 334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
- 511210 Software Publishers
- 541330 - Engineering Services

The S4 Integration products are available on the DynaGrace Enterprises (DGE) GSA Schedule. DGE is a Women-Owned Small Business (WOSB), Economically Disadvantaged Women-Owned Small Business (EDWOSB), and Small Disadvantaged Business (SDB).

PAST PERFORMANCE

S4 Integration Solutions' predecessor company, The S4 Group, Inc., established relationships with every major building automation manufacturer, their branch and dealer networks, independent BAS integrators, and the Master System Integrator community. Those relationships are being reestablished.

Documentation for our products can be found on the product pages on our website <https://www.s4integrationsolutions.com/>.

Success stories (case studies) will be published on our web site as they become available. This project was for the [VA Home in Barstow, CA](#). Honeywell was the prime contractor. S4 technology enabled Honeywell to introduce their BAS and services to the building cost effectively and without disrupting normal operations. The traditional rip-and-replace approach to upgrading was completely avoided.



The Upstream Interface enables the co-existence with the legacy BAS head end. This is a key feature in cases where minimal (or zero!) down time is mandated. The S4 product is the only gateway available with this feature.

S4 Integration products coordinate access to the legacy field bus and devices between the legacy supervisory controller and BACnet clients.

The S4 Integration products are completely transparent to the legacy building level BAS controller and operator workstation.

S4 Integration products work independently of any database, priority, or security settings in the legacy supervisory controller.

In buildings with older, and potentially less reliable, communication buses and field devices, the S4 Integration product automatically resets field devices when multiple retries of an operation fail; it also logs the number of times that this action is taken. Performance management and monitoring functions are built into the system.

Transactions from legacy BAS supervisory controllers participate in the BACnet priority array mechanism, giving the integrator complete control over which head end is commanding each point.