Capability Statement
Legacy Building Upgrades

CORE COMPETENCIES

The S4 Group, Inc. specializes in providing the enabling technology to cost effectively, and with minimal interruption, upgrade the building automation systems (BAS) in legacy buildings.

These 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 the S4 Open Appliances

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 Open Appliance as an on-site agent to unlock the data in proprietary BAS installations and make it available to value added applications such as energy management, analytics, fault detection and correction, or continuous commissioning.

S4 Open Appliances are compatible with any BACnet-compatible application or service.

This video presents the value proposition for our S4 Open Appliances.

CONTACT INFORMATION

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COMPANY DATA

The S4 Group, Inc. is located at:
2444 Washington Blvd., Suite 100
Ogden, UT 84401

The S4 Group is a small business formed in 2002 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.thes4group.com
We are also active on LinkedIn and in many building automation forums.

DIFFERENTIATORS

The current production system is Release 1.51 of the S4 Open: BACnet-N2 Router. The next release will support integrations for multiple additional legacy or proprietary building automation environments.

The following items define why The S4 Group is the integration choice for the BAS industry.

The N2 Router supports any legacy N2 device that you find on a N2 bus including: N2 Open, VMA, Vendor Devices, Metasys® Integrator, and Centaurus Integrator.

Read, Write, Override, and Release N2 transactions are supported for any point limited only by the programming in the N2 device.

The Upstream N2 Interface enables the co-existence with the Metasys® 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.

The S4 Open Appliances are completely transparent to the Metasys® supervisory controller and operator workstation.

Auto discovery, the configure wizard, and device templates for each Metasys® device and application minimize the man hours required to integrate legacy N2 devices to BACnet.

All of the features of HVAC Pro and GX-9100 are supported.

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The S4 Group {Software Services & System Solutions}

Our company president volunteers for BACnet International trade association and is currently serving as the Marketing Committee Chair.

DUNS: 119234982

CAGE: 4MQ26

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 Open Appliances 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 PERFOMANCE

The S4 Group has established relationships with every major building automation manufacturer, their branch and dealer networks, independent BAS integrators, and the Master System Integrator community.

Documentation for our products can be found on the product page for the S4 Open: BACnet-N2 Router. Visit our S4 Virtual Boot Camp for training videos.

Success stories (Case studies) can be found on our web site.

In this project for the VA Home in Barstow, CA Honeywell was the prime contractor. S4 supplied the enabling technology that allowed Honeywell to introduce their technology and services to the building cost effectively and without disrupting normal operations. The traditional rip-and-replace approach to upgrading was completely avoided.

In buildings with older, and potentially less reliable, N2 devices, the BACnet-N2 Router automatically resets N2 devices when multiple retries of an operation fail; it also logs the number of times that this action is taken.

N2 network management and performance monitoring functions are built into the system.

The N2 Router products work independently of any database, priority, or security settings in the Metasys® supervisory controller.

The N2 Router products establish a cost-effective gateway to BACnet IP in the short term, quickly adding value and extending the life of legacy systems.

The S4 Open: BACnet-N2 Router coordinates access to the N2 bus and devices between the Metasys® supervisory controller and BACnet clients.

N2 transactions from legacy Metasys® supervisory controllers participate in the BACnet priority array mechanism, giving the integrator complete control over which head end is commanding each point.