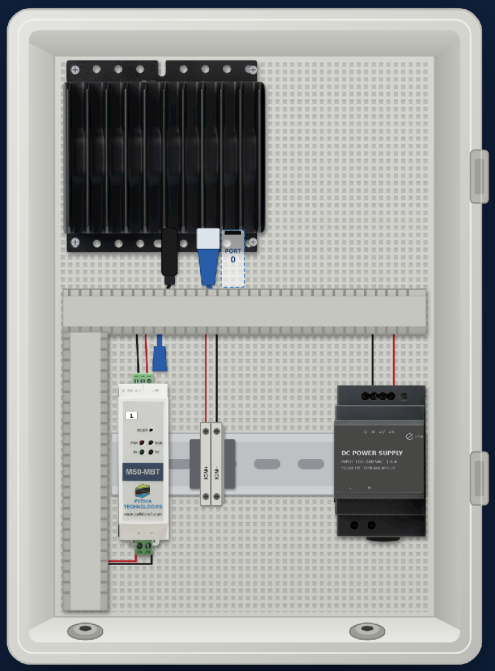
PYTHIA TECHNOLOGIES

SMART PANEL IGM · SPIGM-1

One Liebert unit.
One compact panel. On the network.

The Smart Panel IGM-1 connects one Liebert unit over its existing RS-422 IGM wiring. It reads the unit in its native IGM protocol and publishes it over BACnet/IP, Modbus/TCP and SNMP from one Ethernet connection. It is a complete Pythia DM in a compact wall-mount enclosure, a one-to-one replacement for a SiteLink connection.



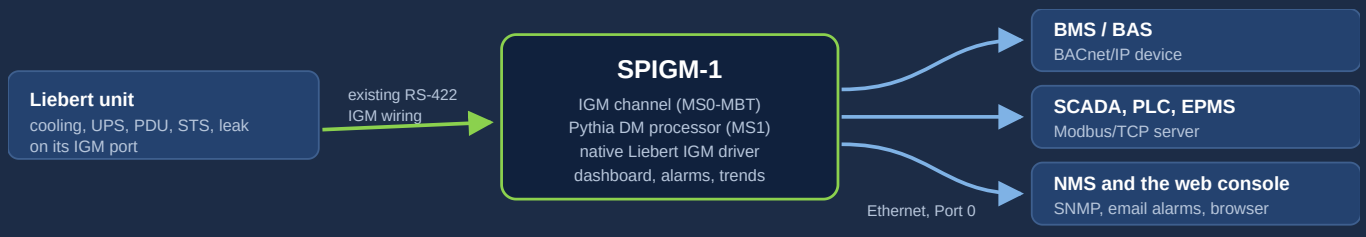
1
Liebert IGM unit per panel, on its existing RS-422 IGM pair. No new serial runs

3
protocols to your BMS and NMS: BACnet/IP, Modbus/TCP and SNMP, from the same points

14.6 × 10.6 in
compact wall-mount enclosure, 5.9 in deep: smaller than the standard 16 × 12 in Smart Panel

1
network connection to the site. The IGM channel stays on a private panel link

HOW IT CONNECTS



SiteLink, one to one
Each unit gets its own panel on the IGM wiring it already has.

A full DM inside
Unit dashboard, alarms, notifications and trends in any browser.

BMS and NMS ready
BACnet/IP, Modbus/TCP and SNMP maps built for you.

Grows one unit at a time
Add a panel per unit, or move to the 12-unit SPIGM.

WHAT IT DOES

Your Liebert unit, back on the network, without rewiring.

Native Liebert drivers

Reads the unit in its own IGM protocol: CRACs such as Deluxe System/3 and Mini-Mate2, UPS, PDUs, static transfer switches and leak detection.

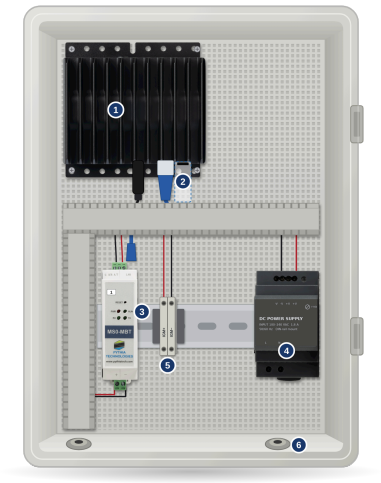
Published for your systems

Every point as one BACnet/IP device, a Modbus/TCP server and an SNMP v1/v2c agent at the same time, with point maps built automatically.

Alarms and trends

Unit alarms with acknowledgment and history, email and SNMP trap notifications, and trends from five-minute to long-term.

INSIDE THE PANEL



1. **Pythia DM processor (MS1).** Runs the DM: the Liebert driver, dashboard, alarms, trends and the BACnet/IP, Modbus/TCP and SNMP publishing.
2. **Port 0, the site connection.** The panel's one Ethernet connection to the customer network. Left open, with room to plug in the site cable.
3. **IGM channel module (MS0-MBT).** DIN-rail mounted. Talks to the Liebert unit on its RS-422 IGM pair and reaches the DM over a private panel link on Port 1, isolated from the site network.
4. **24 VDC power supply.** DIN-rail mounted. The 100–240 VAC supply lands directly on its L and N terminals.
5. **IGM terminals.** The existing IGM pair lands here: + and −.
6. **Cable entries.** Two at the bottom: one for power, one for the network and IGM cables. Wiring runs in duct.

SPECIFICATIONS

EQUIPMENT CONNECTION	
IGM input	1 Liebert IGM unit, RS-422, on the existing IGM wiring
Protocol	Liebert IGM (native), with a Liebert driver per equipment type
Discovery	Pythia IGM discovery tool identifies the unit and its driver (read-only)
DM PLATFORM	
Console	Web console and Alarm View in any modern browser
Notifications	Email and SNMP traps
Publishing	BACnet/IP device, Modbus/TCP server, SNMP v1/v2c agent

NETWORK AND POWER	
Network	One Ethernet connection, Port 0 on the DM processor. The IGM channel uses a private panel link (Port 1)
Power	100–240 VAC input; 24 VDC DIN-rail power supply
PHYSICAL	
Enclosure	Wall-mount ABS, IP67, UL94-V0; 14.6 × 10.6 × 5.9 in. Meets or exceeds the UL 508A Open Industrial Control Panel standard
Environment	−22 to 113 °F (−30 to 45 °C) inside the enclosure; 5 to 95% RH, non-condensing
Ordering	SPIGM-1, one per Liebert IGM unit

Vertiv equipment that uses the Velocity protocol is not currently supported by the SPIGM's IGM channels; please contact Pythia Technologies to discuss alternative integration options. Specifications are subject to change.

CHOOSE A PANEL

Model	Liebert units	Best for
SPIGM-1	1 per panel	One unit per location, or a one-to-one SiteLink replacement where each unit has its own panel
SPIGM	Up to 12 per panel	A room or site with several Liebert units on IGM wiring that runs back to one place

Retire the SiteLink, one unit at a time.

Tell us which Liebert units are on the IGM wiring, and contact us for pricing.

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