GE is constantly evolving their DCS and Safety platforms to improve customer experience, enhance plant operation, and keep pace with advancements in technology. The MarkVIe control solution now supports linking of PROFINET I/O devices with PROFINET V2.2 I/O connectivity.

The PPNG PROFINET gateway module maps I/O from PROFINET slave devices to the Mark VIe controller on IONet. The IS420PPNGH1A, connects Mark VIe controller to a high-speed PROFINET local area network (LAN). Enabling communication with PROFINET I/O Devices. The PPNG provides all the functions, services, and protocols required for certification as a PROFINET RT Version 2.2 I/O Gateway, running 100 Mbps Ethernet interfaces. Functioning as a gateway IO Pack, PPNG with ToolboxST application provides ability to add PROFINET I/O devices and smart sensors into a typical Mark VIe control system architecture.

Features
- Single, Flexible, Simple & Intuitive configuration ControlST
- IO device data exchange rate from 1ms to 512 ms
- Up to 64 devices supported / Gateway
- Diagnostics - Device, IO module & IO point
- PROFINET IO Device manufacturer specific alarm details
- Online parameter download capability
- Auto reconfiguration of PPNG
- Simplex PROFINET supported
- 100 Mbps full duplex PROFINET NW
- Operating temperature -30°C to +65°C
- UL, CE, ATEX, CSA certifications
- PROFINET Class A Controller functionality
- PROFINET licensing using ID cable