

>> Product Spotlight

Extreme Environment System

Rockwell Automation offers the Extreme Environment System: ControlLogix-XT and FLEX-XT I/O products for applications requiring increased reliability in high-temperature and corrosive environments, such as those found in oil and gas, wind turbine and ship-building applications. The system includes the ControlLogix-XT controller, FLEX™ I/O-XT products and Encompass™ Product Partner ProSoft Technology communication modules.

The controller is conformally-coated, and all products are designed using hardened components suited for rugged environments. This reduces the additional installation and energy costs associated with auxiliary heating and cooling systems.

As part of the Rockwell Automation Integrated Architecture™ system, the Extreme Environment System shares the same programming software, network protocol and information capabilities with the rest of the Integrated Architecture. It operates in a -20/+25°C to 70°C temperature spectrum, and meets ANSI/ISA-S71.04-1985 Class G1, G2 and G3, as well as cULus, Class 1 Div 2, C-Tick, CE, ATEX Zone



2 and SIL 2 requirements for increased protection against salts, corrosives, moisture/condensation, humidity and fungal growth.

To support the Extreme Environment System, ProSoft Technology developed communication modules for its Modbus Master/Slave and Modbus TCP/IP networks.

The XT communication modules emulate an input/output module on the ControlLogix-XT controller backplane, making Modbus data appear as I/O data to the processor. These modules also conform to the EN60079-0 and EN60079-15 standards for caustic and extreme-environment applications.

Rockwell Automation Logix Control Platform

www.rockwellautomation.com/go/tjlogix-xt

ProSoft Technology

www.rockwellautomation.com/go/p-prosoft

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