

Monitoring Radiation Levels in a Nuclear Power Plant

The Challenge

A nuclear power plant wanted to modernize the communications system for their radiation monitors, replacing their analog PDP11-based system with fiber optics and IP-based protocols. But the existing system included 86 radiation monitors that used 30 mA current loop technology. Replacing them would have been very expensive.

The Solution

It was clear that a pre-wired, pre-tested, turn-key solution would eliminate many project risks. So B&B Electronics developed and custom-built a panel containing hardware that converted the proprietary Current Loop communications to Ethernet and included the dual fiber communications links required for system redundancy.

Why B&B Electronics?

B&B Electronics designs and builds rugged, reliable network devices that can do their jobs in tough environments. And when a problem calls for a custom solution, we'll design and build that, too. B&B Electronics keeps your data moving.

The Product

Custom panel to convert proprietary Current Loop to Ethernet