

Project Profile

Networking

At the behest of a prominent international chemical manufacturer, Industrial Automated Systems undertook the enhancement of an incumbent plant fiber optic network. Collaborating with our affiliate, Triune Electric, we executed the project seamlessly, ensuring minimal disruption to operations.

Our team of engineers devised a network overhaul aimed at bolstering communication efficiency and security, opting for Siemens SCALANCE XM408 series managed ethernet switches outfitted with requisite power supplies and circuit protection. These switches were flawlessly integrated into existing enclosures, with custom adapter plates crafted to accommodate the power supply and circuit protection units. Triune Electric managed the installation of these components, including all associated wiring, while also deploying Corning 6 Strand MM OM3 Armored Fiber from the Server Room to the network switches. Additionally, they facilitated the connection of two SC/LC fiber jumpers per switch to the fiber termination boxes, executed by Corning-certified fiber installers employed by Triune. Existing cable tray infrastructure was leveraged, with conduit drops provided where necessary.

To mitigate production downtime, the new network was implemented alongside the existing infrastructure and rigorously tested prior to the removal of the old network. Printed test results were provided to the client. Throughout the process, IAS offered comprehensive installation support, startup assistance, and commissioning services.



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