

Project Profile

IAS was tasked with replacing outdated Rockwell Automation Micro 1100 controllers with state-of-the-art Siemens automation hardware. This upgrade involved consolidating processors from six to three, consisting of two redundant Siemens 1517-H PLCs and one Siemens 1215C PLC. IAS handled the entire process, including engineering, design, and drafting for a new main PLC electrical control panel, as well as a new Siemens Industrial Computer, new remote I/O panels and a back panel to modernize an existing enclosure. The revamped system featured redundant power supplies, complemented by Scalance XC216 series manageable ethernet switch and ET200SP IO modules.

Additionally, new PLC programs were developed and thoroughly tested. An existing Rockwell Automation PanelView HMI was retained, while a new Ignition applications was created. IAS designed a new ProfiNet network was to optimize connectivity. IAS also provided startup and commissioning services, ensuring a smooth transition. The project concluded with comprehensive documentation to facilitate future maintenance and operations. With installation services by our sister company, Triune Electric (<https://triunenc.com/>), we provided a total turnkey solution.



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