

Application Highlight



2500 Series[®] Janus Programmable Automation Controller

Manufacturer uses Janus Processor to modernize conveyor lines

A major glass packaging manufacturer has recently completed a migration of existing CTI 2500-C200 controllers on their two conveyor lines to the new CTI Janus Programmable Automation Controller (PAC).

In recent years, they migrated from legacy Texas Instrument 525 controllers to CTI 2500-C200 to get benefits of Ethernet communications for SCADA and PLC programming. The new Janus migration gives them substantially more communications capabilities with other PLC's and devices around the plant to streamline the automation process using the Janus PAC's include built-in communications for Modbus, Ethernet/IP, CAMP, OPC-UA and MQTT.



Summary

In a recently completed application, a CTI customer used the control and communications capabilities of the new Janus Processor to modernize an existing conveyor line in a glass manufacturing plant.

Because Janus Processors support the CAMP communications protocol, no changes were required for the HMI/SCADA systems.

The application was then enhanced using the built-in communications capability of Janus PAC's the to communicate with other PLCs and equipment in the plant.

To start the project, the existing 2500-C200 programs were sent to CTI Distributor NAPA who used tools provided by CTI to automatically migrate the application to the new CTI Workbench IEC-compliant programming package.

CT Oceania, the CTI Australian distributor then uploaded and tested the code in their Brisbane office here before sending it on to the factory.

The plant had a scheduled 2-hour shutdown window to test the new solution. They swapped the CPU's and had very few problems in commissioning, taking a little less than an hour to get it back up and running. This process was repeated for Line 2.

CT Oceania also enhanced the program to add Ethernet/IP connections for data exchange with some of the other PLC's onsite.

The user is delighted and satisfied with how easy the transfer went. Work is presently ongoing to convert a third conveyor line to Janus.



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