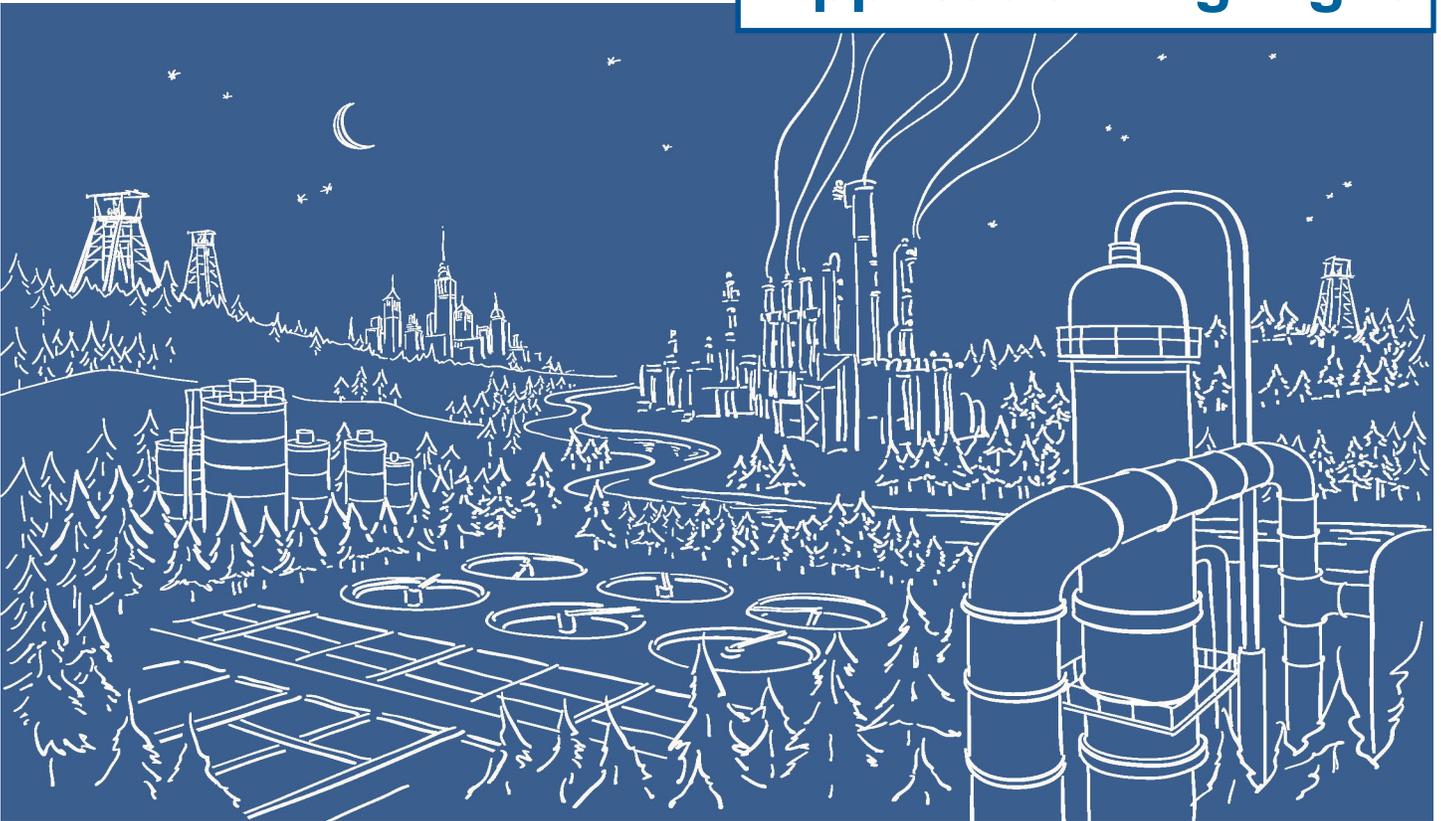


Application Highlight



2500 Series® Programmable Automation Control System

Multinational Manufacturer of Nonwovens Deploys the ACP1 to Communicate and Control Motor Drives Using EtherNet/IP

A multinational manufacturer of nonwoven materials used in the manufacture of diapers, feminine hygiene products and wipes has selected the CTI 2500-ACP1 Application Coprocessor for communications and control of EtherNet/IP drives for its new production line. The company produces a wide range of nonwoven materials of a wide variety of weights using several different bonding technologies. The manufacturer is able to produce custom blends using various types of fibers and bonding technologies to meet customers' specific guidelines and requirements for absorbency, strength, bacterial barriers, and biodegradability.

Summary

In a recent plant expansion, the manufacturer wanted to replace the Profibus-DP networks used to interface with drives on its existing lines with EtherNet/IP in order to remove complexity, lower cost, improve diagnostics and troubleshooting, and simplify maintenance. CTI 2500-ACP1 modules were used as "smart communications controllers" for managing communications between the host PLC and the drives and I/O over the new EtherNet/IP network and as a failsafe controller of the drives in the event of a PLC failure.

- **All EtherNet/IP communication between the PLC and the drives performed by the ACP1**
- **Data cache interface used to transfer data between the ACP1 and the PLC**
- **ACP1 uses CAMP Client communications interface for PLC-to-PLC communications streamlining process by eliminating need for CTI 2572A modules**



