

Application Highlight:

FrieslandCampina Cheese in Rijkevoort replaces 555-1104 with CTI 2500-C400 to gain additional memory for process expansion

FrieslandCampina is the largest dairy company in the Netherlands. Millions of Dutch consumers eat and drink their products and moreover many of the dairy products are exported to countries on every continent of the world.

In the Netherlands the milk is processed into virtually everything that can be made with milk. This includes popular western consumer products like pasteurized milk, yoghurts and custards. Also consumer dairy products for the export are made, such as condensed milk and milk powders.

The Netherlands is FrieslandCampina's primary location for the production of cheeses and butter products as well as a wide variety of ingredients used in the food and the pharmaceutical industries.

The Project

An existing cheese production line is controlled by three 555 CPU's and a PCS™3 Process Control System.

The memory of one of three CPU's was completely filled up and more memory was needed. Changing to a different PLC system was not an option due to cost. The CTI2500-C400 CPU offers 3Mbytes of memory compared to the 2Mbytes in the 555-1104. After a successful test result, FrieslandCampina decided to change the process over to a CTI 2500-C400 CPU, and later to change to another Scada system.

Upgrade Result

The APT® program was loaded into the new CPU. On the PCS™3 system, RBE was switched off by setting the time to zero. Now all the alarms are polled continuously, but since the new CTI CPU is about two times faster in scan time no update differences were noticed. To address to 3M memory they will use the CTI 3110 3M Memory Object for APT®. All investments in application development over the years were saved. Having new CTI CPU's in place and with the upcoming new Windows based APT® replacement product from FasTrak SoftWorks Inc. (currently in Alpha Testing), FrieslandCampina has an excellent base for the future.

The system integrator who is responsible for the installation and new changes is Actemium, Veghel.



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