

## Industry:

### Production line automation.

A bottled juice factory wanted to automate its production line. They also wanted to have a record of finished products.

The operation of the factory can be described as follows: finished products are transported through a conveyor belt. Once products arrive to a given position, they are classified using a bar-code reader. According to the reading, there is a guide attached to a motor, which makes the products to be redirected among different ways.

The company implemented an initial solution, by installing a PLC with serial connection and a standard Serial/Ethernet converter that connected the PLC to the network.

**When Exemys was contacted to provide a cost-effective solution, we recommended our SSE232 family of converters, which also include digital I/Os. Thus, they replaced the PLC and fully solved the problem, together with a cost reduction over 50%.**

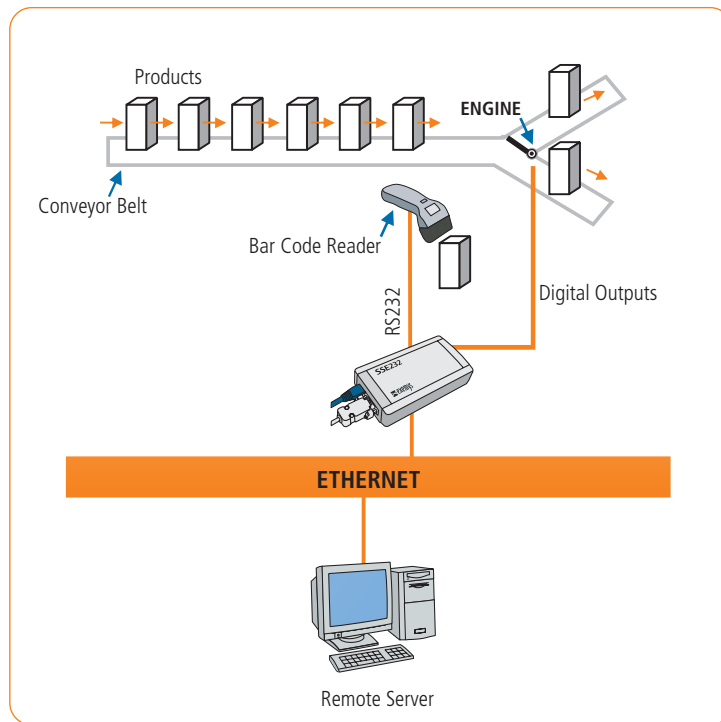
In our solution, they used SSE-1C43 converters, which were controlled remotely from the company's server through preexistent network cables.

The RS-232 serial port of the bar-code reader was connected to the SSE232 serial input. Each bar-code reading was transmitted to the remote server through the Ethernet network. Thus, the server was capable to have a record of how many products were finished while it also could control the redirection of each part.

The redirecting motor was fed using digital outputs embedded in our SSE232 converter.

## Benefits

- Cost Cut: 50% of the original solution.
- Information is shared throughout the network, allowing many TCP/IP entities to monitor and control the plant.



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