

SPIROFLUX – France

Dosing and mixing system

SPIROFLUX is a French specialist in dosing, mixing, extraction and automatic product preparation or transportation.

SPIROFLUX has built its reputation in powders and granulates dosing for food industry, chemical, plastic or cosmetic industries.

Customer need

For one of its customer, SPIROFLUX has to design a system to feed an extruder on a plastic production line. The system has to take care of the dosing/mixing of plastic granulates together with coloring powders.

The system includes four hoppers for powders storage and a weighing hopper sitting on load cells for dosing control. The mixed material feeds by batches the plastic extruder.

SCAIME solution

In this solution, a SIMATIC S7 PLC takes care of general system controlling. To fill the hopper where the products are mixed, the S7 PLC sends dosing parameters to the eNod4-D and redirects eNod digital outputs to the storage of the product to be dosed. At this time, eNod4-D takes care of weighing measurements and dosing batch control by filling.

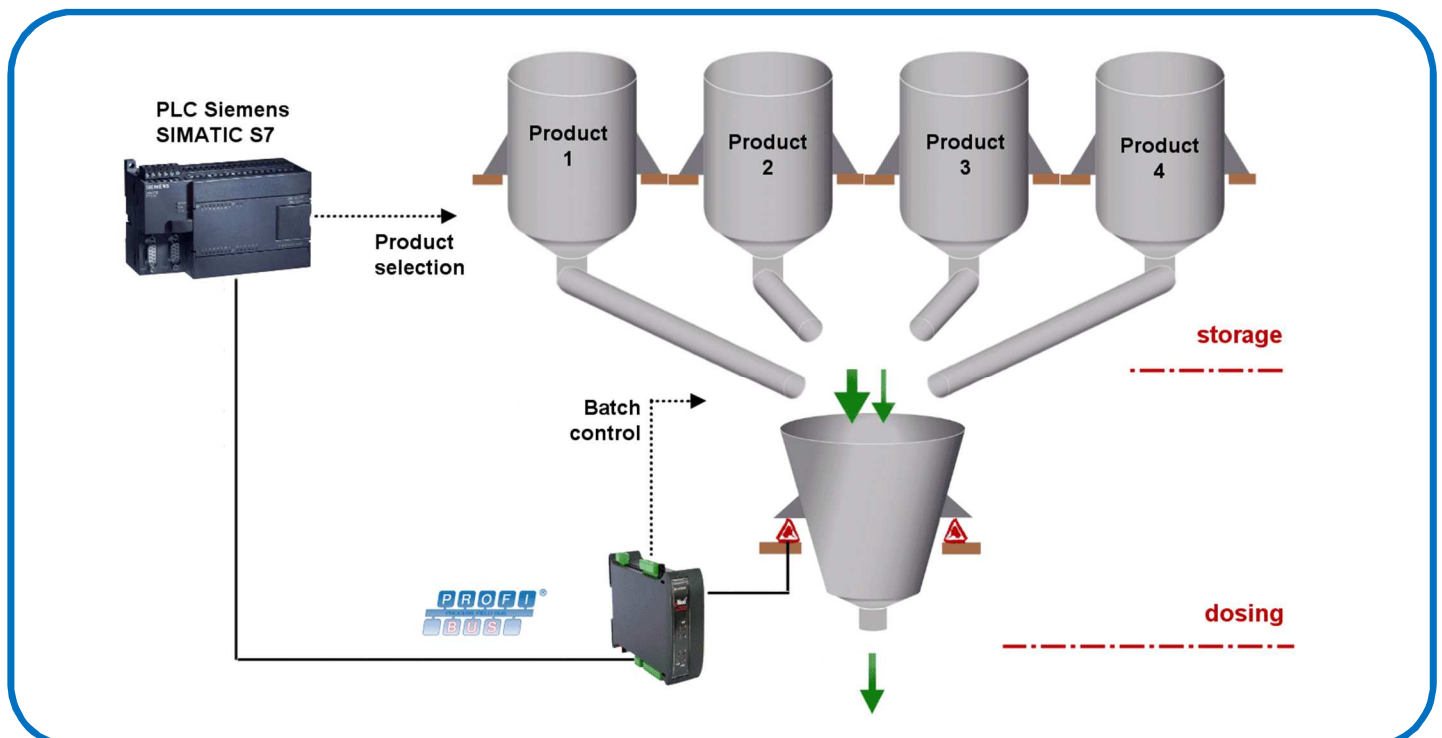


SCAIME products:

- 3 load cells F60X with mounting kits
- 1 dosing controller eNod4-D PRO

Automation products:

- 1 PLC Siemens SIMATIC S7



Customer benefits

- Optimized architecture with devices dedicated to task for which it is ideally fitted.
- Thanks to dosing tasks controlled by eNod4-D controller, the system reaches very high speed and accuracy.
- Communication is made easy by eNod4 PROFIBUS-DP networking capabilities.