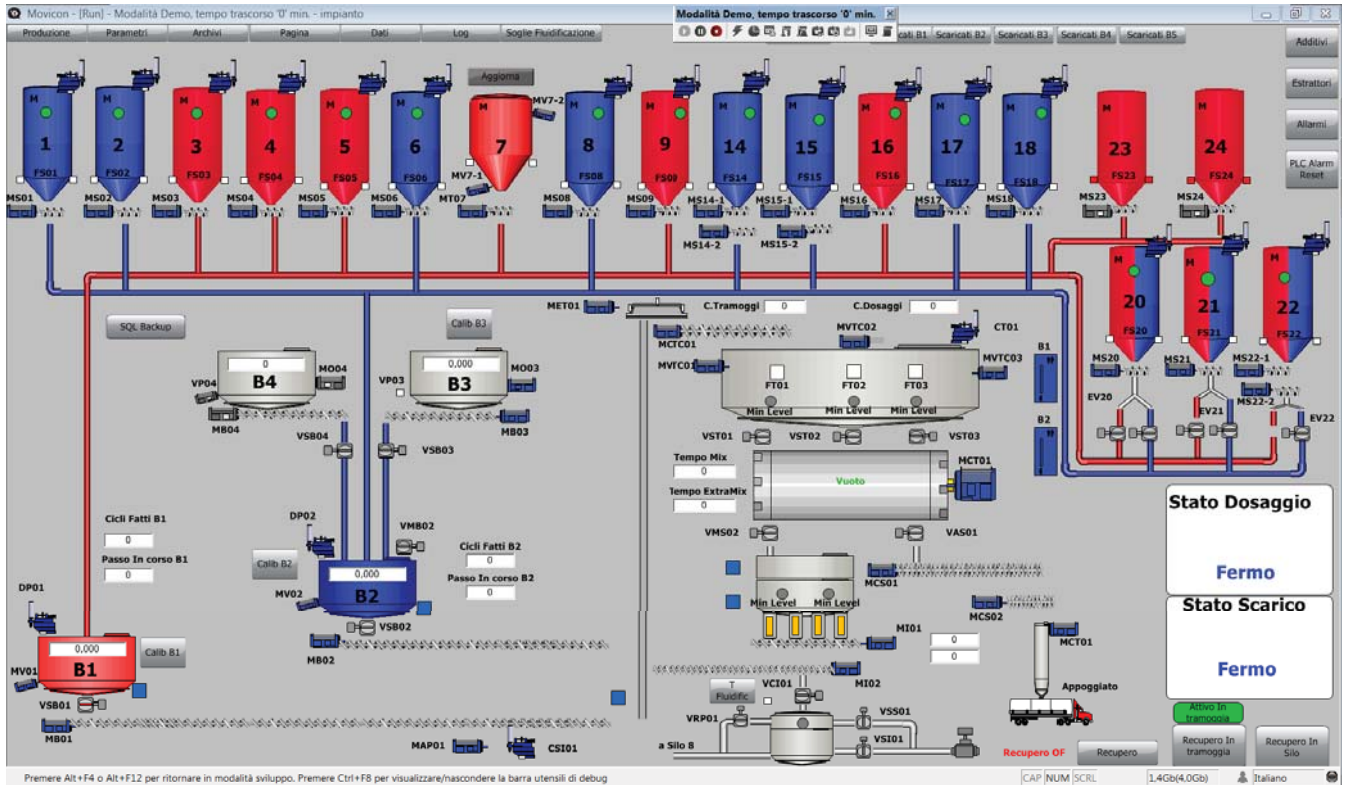


Batch Control System, Traceability and Plant Supervisor

The project consists in the complete realization of the Batch Control System, traceability and supervision of a mixing plant in a plant operating mixing-liquids, for a well-known corporate.



The main Synoptic of the Traceability System developed by Taiprora

The supervisor has been developed using **MOVICON** to interface with Microsoft SQL Database both for the management of production recipes and for the realization of process reports.

SIEMENS 1500 series PLCs, Siwarex weighing systems and Toshiba inverters were used as field devices.

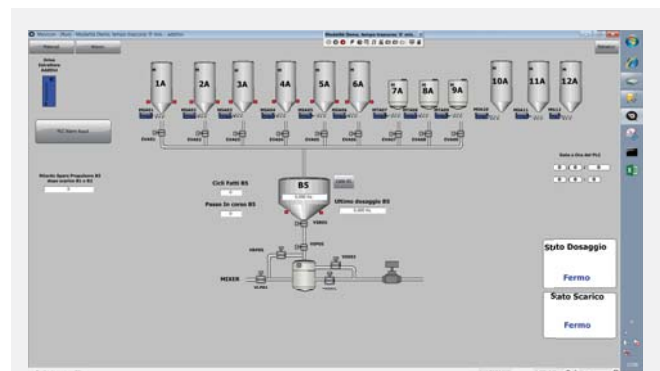
The plant is composed of 19 materials silos plus 12 silos additives that can be mixed according to the specifications indicated by the process engineer.

Once extracted and mixed for the time, for the speed and in the appropriate quantities, the preparation can be either bagged by the special high-capacity bagging machine or loaded in bulk directly into the customer's cistern.

The **Supervisor allows both to view the system status in real time** from two stations and to create and modify different production recipes.

The complete historicization of the process data on the database includes both the process variables and all the data relating to each single step of the batch just produced.

All these data can be consulted on the supervisor but can also be exported in csv, txt, excel and searchable formats on any device.



Dosage Management Mask



Formula	Riepilogo	Peso su B1	Peso su B2	Peso su B3	Peso su B4	Peso su B5	Peso Totale Formula
1
2
3
4
5
6
7
8
9
10
11
12

Recipe Management Mask