PHARMA PROGRAMMABLE AUTOMATION CONTROLLER

🔍 SFE Process developed with his partner Schneider / Eurotherm, an innovative and dedicated parameters control and datalogging, **which is natively compliant with 21CFR Part 11.**

🔍 Thanks to its major experience on the pharma domain, this supervision solution is the most sophisticated one to obtain **GMP approval** and **respect international pharma standards**.

The supervision program has been developed directly into the PAC (Programmable Automation Controller) thanks to the controller which analyse and control the process parameters such as temperature, pressure, flowrate, valves controls, etc…
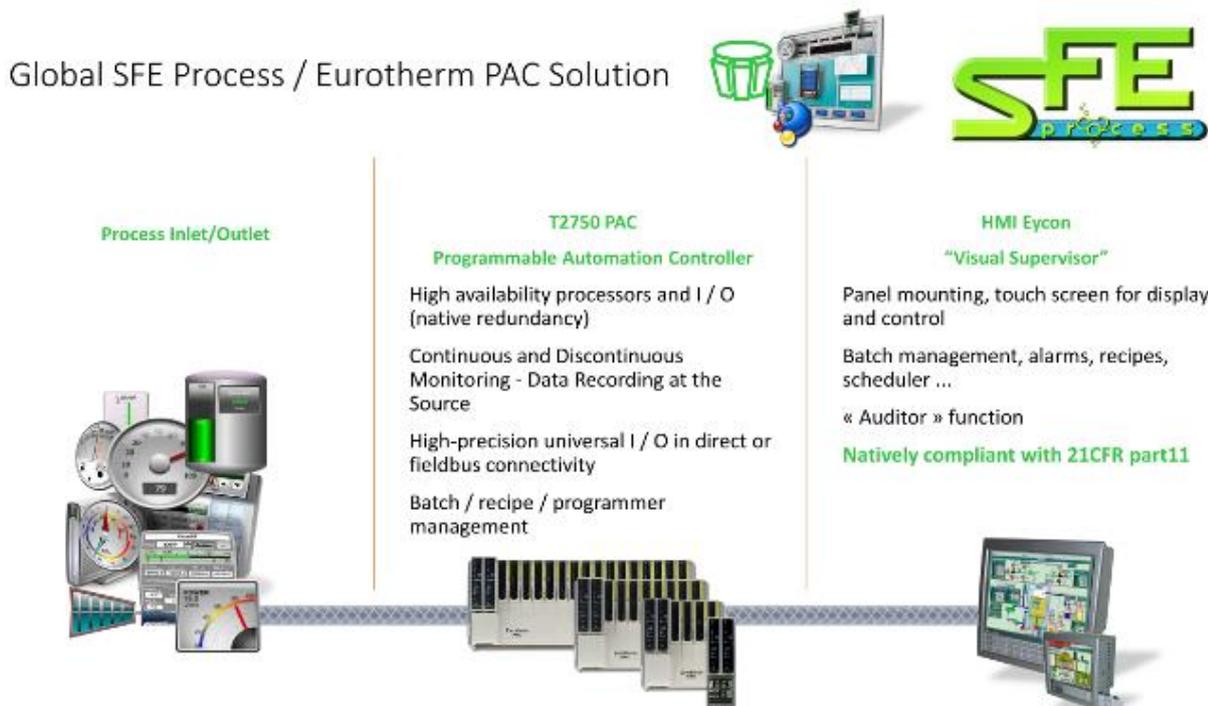
This controller is directly linked to the HMI Control panel, which allows easy and secured access.
Data collection under CSV format is done thanks to the switch and converter box installed into the central electrical cabinet. All data can be analysed from any computer after collection.

INNOVATIVE SUPERVISION FOR
➔ Centralized parameter control and datalogging in a dedicated supervision
➔ Multiple secured connection on the "instrument network" from the HMI
➔ No computer needed to control the machine so no risk to have an obsolete equipment in the future
➔ Data collection thanks to CSV files

The project architecture is shown below:

Global SFE Process / Eurotherm PAC Solution

Process Inlet/Outlet

T2750 PAC

Programmable Automation Controller

High availability processors and I / O (native redundancy)

Continuous and Discontinuous Monitoring - Data Recording at the Source

High-precision universal I / O in direct or fieldbus connectivity

Batch / recipe / programmer management

HMI Eycon

"Visual Supervisor"

Panel mounting, touch screen for display and control

Batch management, alarms, recipes, scheduler ...

« Auditor » function

Natively compliant with 21CFR part11

HMI Eyecon & T2750 features:

The 'store and forward' service is a self-healing data archiving system that stores data in T2750 PACs in an encrypted and seized format and then sends them back to the historian data server once the communication is reestablished

It indicates the time of all alarm and event messages and provides complete traceability as required by 21 CFR Part 11. For alarms, the alarm history log displays the activation, acknowledgment time and disabling on the same line.

Batch manager allows an operator to control (ie load, start, interrupt, restart, abort) a batch and monitor its progress from standard screen

You can create, manage and download recipes from the front panel

Registry files can contain reports, alarms, events and operator messages

Many big pharma group references:

SANOFI / GSK / MERK / PFIZER / BAYER / BIOMERIEUX / SERVIER / PIERRE FABRE