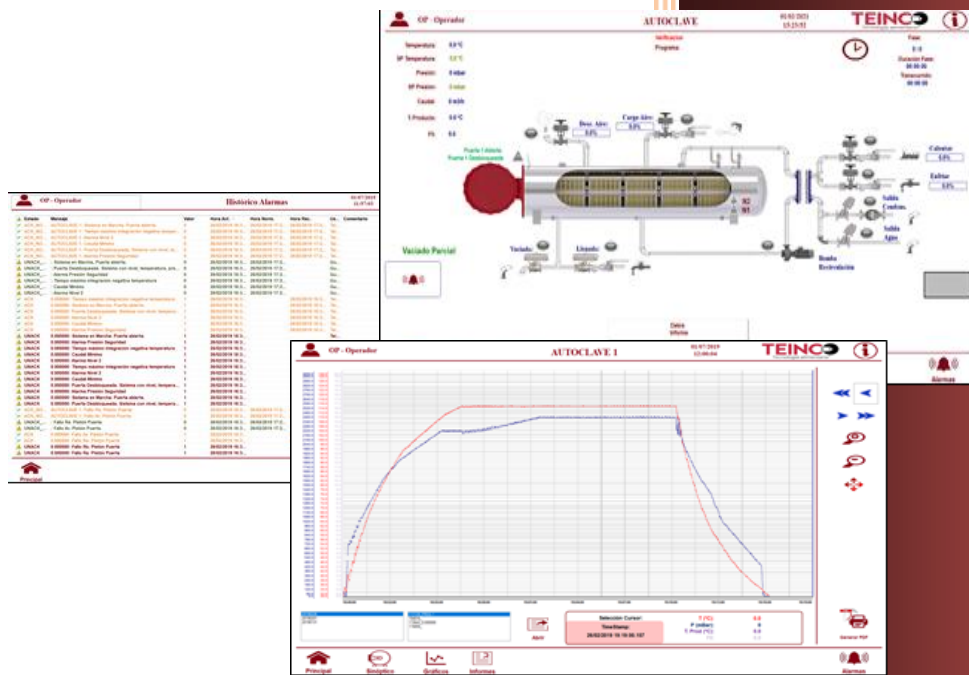


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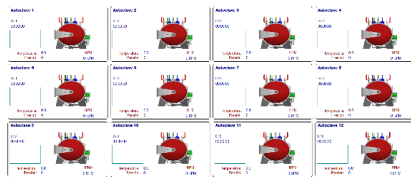
Supervision System - SCADA



Supervisory System– SCADA – SteriBruSoft

The SteriBruSoft SCADA supervision system is a process data collection system designed and created by Teinco.

- It ensures the correct collection and custody of sterilization or pasteurization process data in autoclaves and continuous pasteurizers.

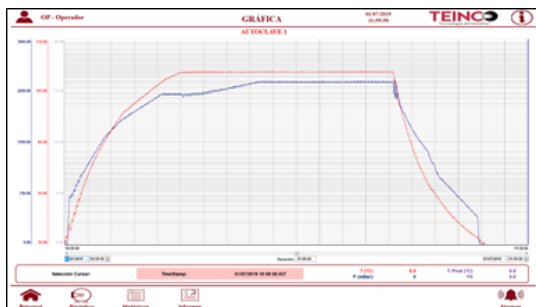
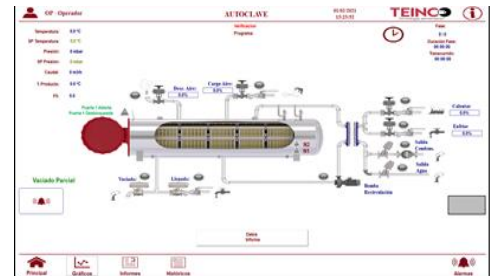


- Main screen, with process information summary.
- Possibility of recording generic equipment information with standard communication protocols (ModbusTCP, Industrial Ethernet,...).
- Supervision of up to 13 autoclaves (basic license).



• Process synoptic:

- Visualization of process variables, temperature, pressure, flow rate,....
- Monitoring of program evolution: current phase, elapsed time, total process time....
- Valve and actuator status.
- Signaling of active alarms.

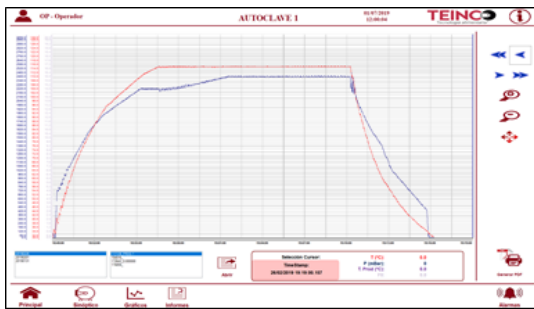


• Interactive graphics:

- Real time representation of the main process variables.
- Digital record in non-editable proprietary format and compatible with FDA CFR21 Part 11 regulations.
- Simple and intuitive controls for graphical control navigation..

• **Process reports (alphanumeric):**

- Visualization of process histories.
- Display in alphanumeric format.
 - o TimeStamp.
 - o Temperature, pressure, flow rate....
- Generation and visualization of PDF files.
- Export to CSV format file.



• **Process reports (graphical):**

- Visualization of process histories.
- Visualization in graphical format.
 - o TimeStamp.
 - o Temperature, pressure, flow rate...
- Generation and visualization of PDF files.

• **Process signature:**

- Individualized signature of the processes carried out in each of the autoclaves.
- Introduction of relevant process information.
 - o Detailed batch information.
 - o Summary of times.
 - o Observations.
 - o Corrective actions.

TEINCO INFORMACIÓN PROCESO

Operador	Operación	Inicio	Fin	Estado
...

Parámetro	Valor	Unidad	Alarma
T. Vapor	155	°C	...
P. Vapor	1.2	bar	...
...

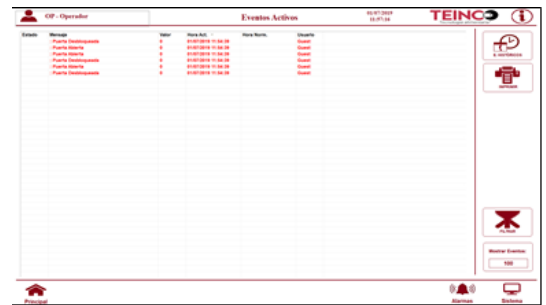


Alarms:

- Display of active alarms.
- Color coding of alarm status for easy identification.
- Possibility of acknowledging active alarms.
- Alarm filtering by equipment, message and status.
- Alarm history display.

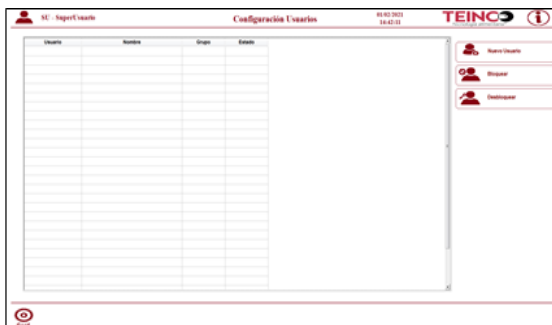
Events:

- Visualization of events occurred in the system.
 - o Logging of process events.
 - o Logging of user login / logout.
 - o Logging of actions performed by the user, process signature, open screens, etc.



User Access Control:

- Visualization of registered user.
- Log on/off of users simple and secure.
- Management and administration of registered users.
- Access control by levels.
- User management by groups.
- Security modes: Local, Distributed (server and client modes), and Domain - LDAP (compatible with Microsoft Active Directory or OpenLDAP).



- **Visualization of PDF documents:**

- Preview of PDF documents generated from within the system itself.
- Possibility of saving documents in external locations.
- Printing of the document on a physical printer.
- Possibility of sending the document by email (a valid POP3 email account must be configured).

