Automation

Securing Food Safety with Automation & Automation for the Future

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Automation

Topics for today

- ► Film "Automation for the future"
- Short presentation how we see on Food Safety from an Automation point of view
- Demo with a scenario from a Dairy Production



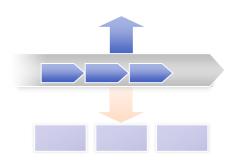


Improved productivity

Food safety

Material vs. Product interlocking

- ► Interlocks in the program prevent the operator from, for example, starting cleaning of a unit at the same time as production is running
- ► Interlocks in the program prevent that "wrong" product is packed e.g. Chocó milk in a "Strawberry package"

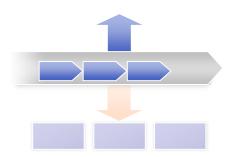






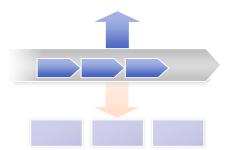
User Interface

- ▶ User friendly
- Self instructing
- Help & support the user in the fault handling procedure
- Same procedure for all operations





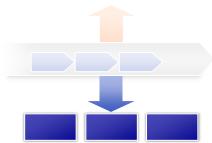




- Active use of QA information
 - Active alarms in the process
 - Approval of equipment
 - Approval of applicable process parameters









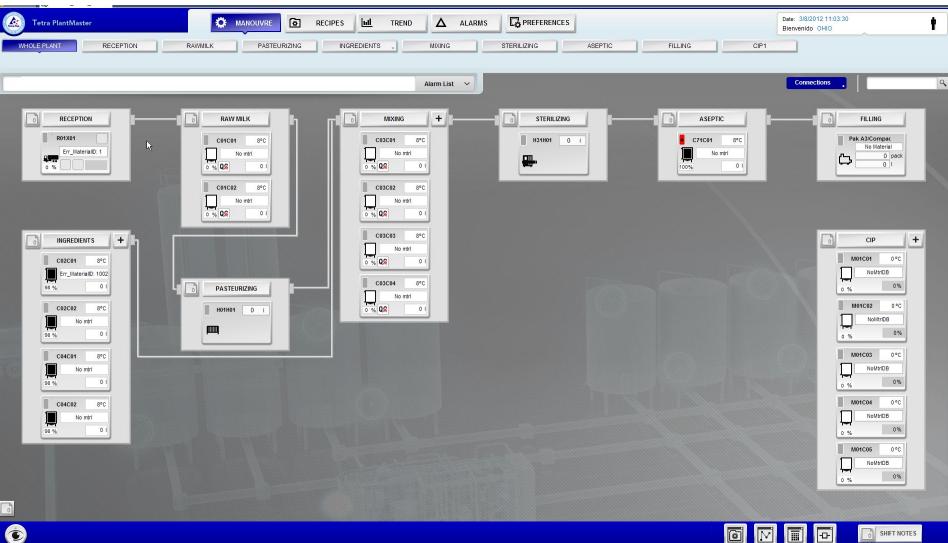
AutomationDemo





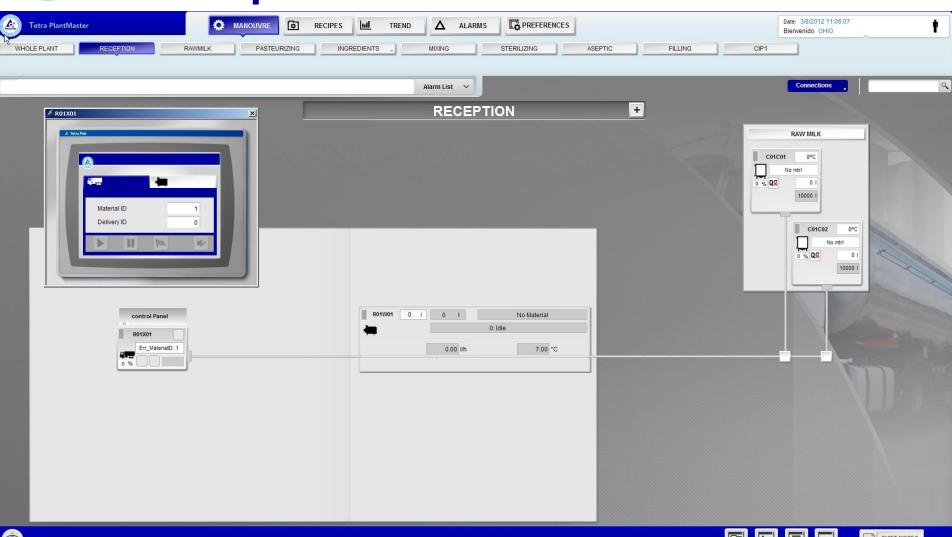


Plant View



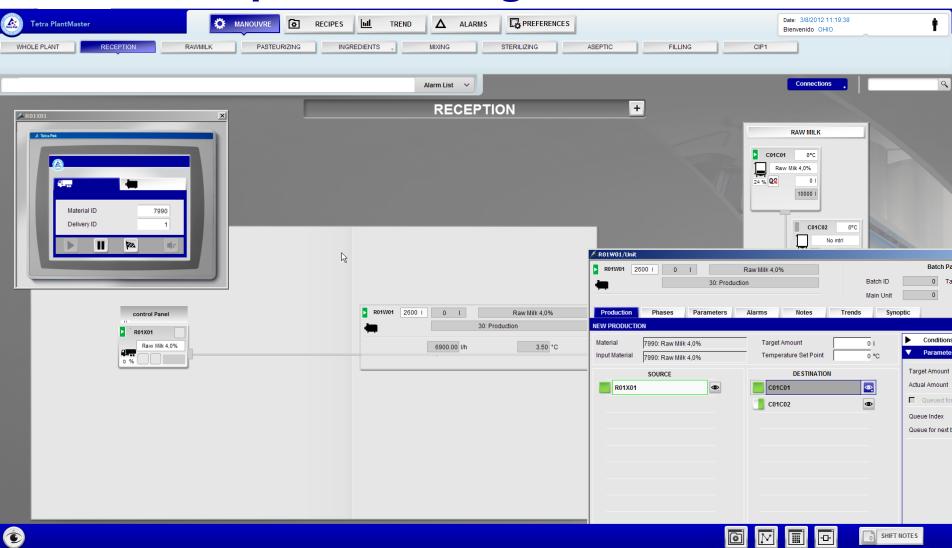


Reception



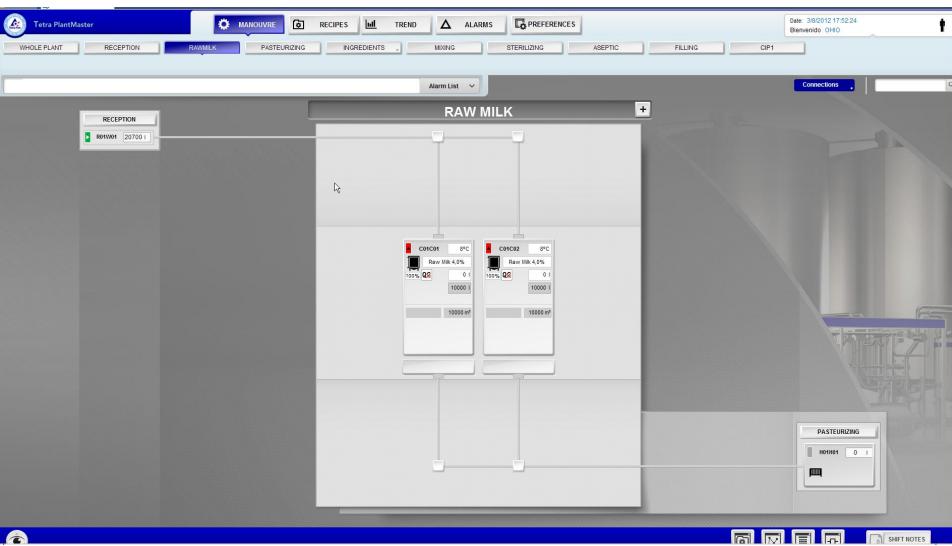


Reception running



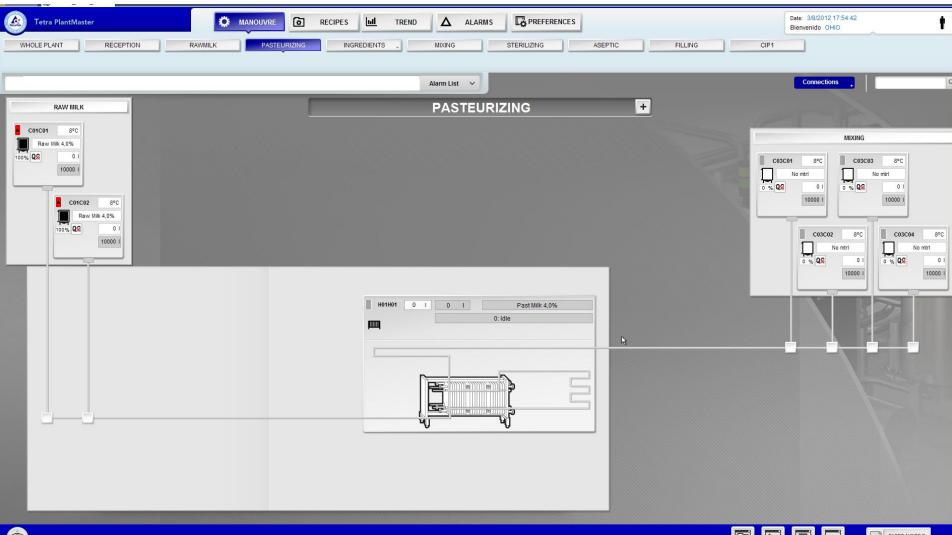


Raw Milk Tanks



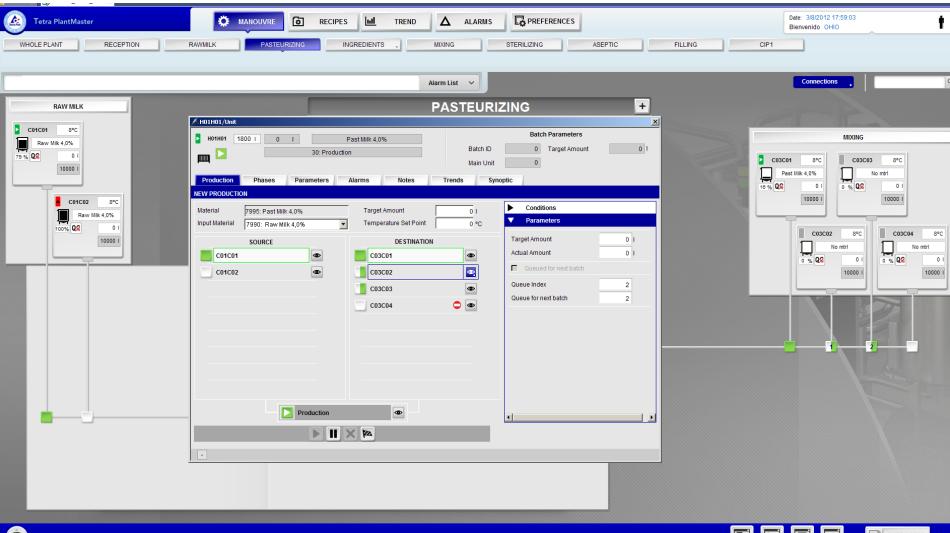


Pasteurizer



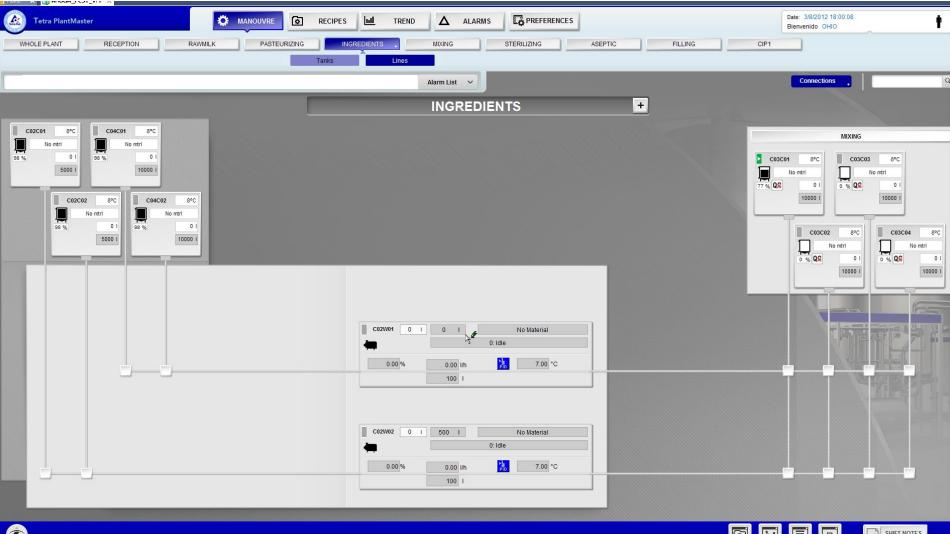


Pasteurizer Faceplate



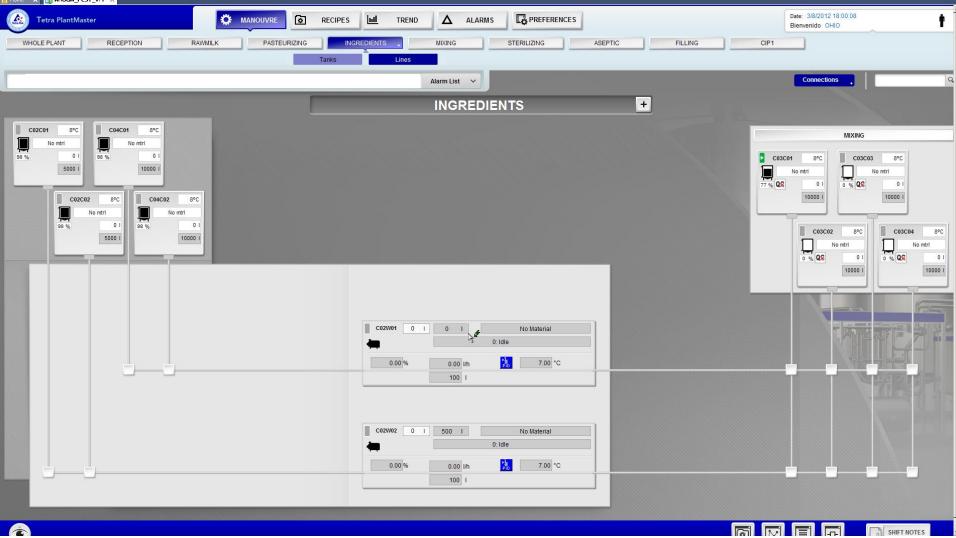


Ingredients Tank View



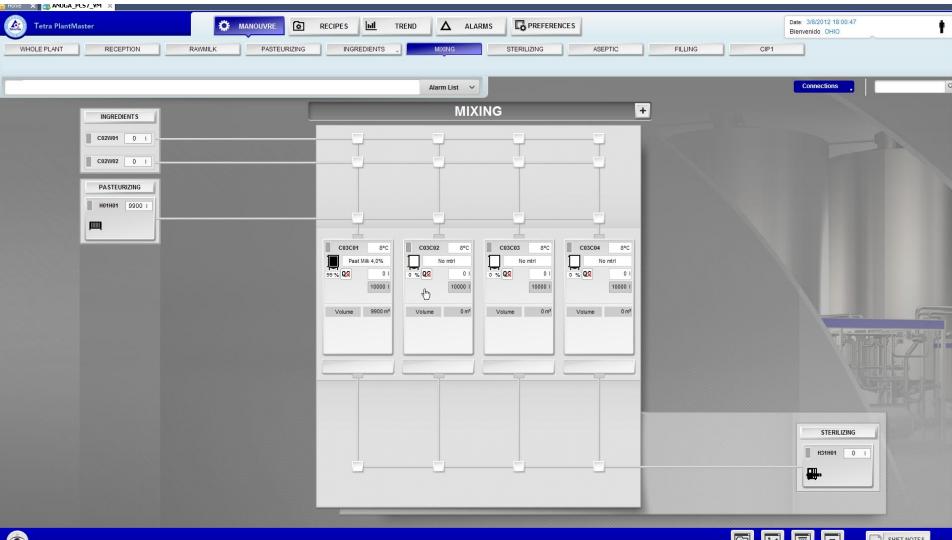


Ingredients Line View



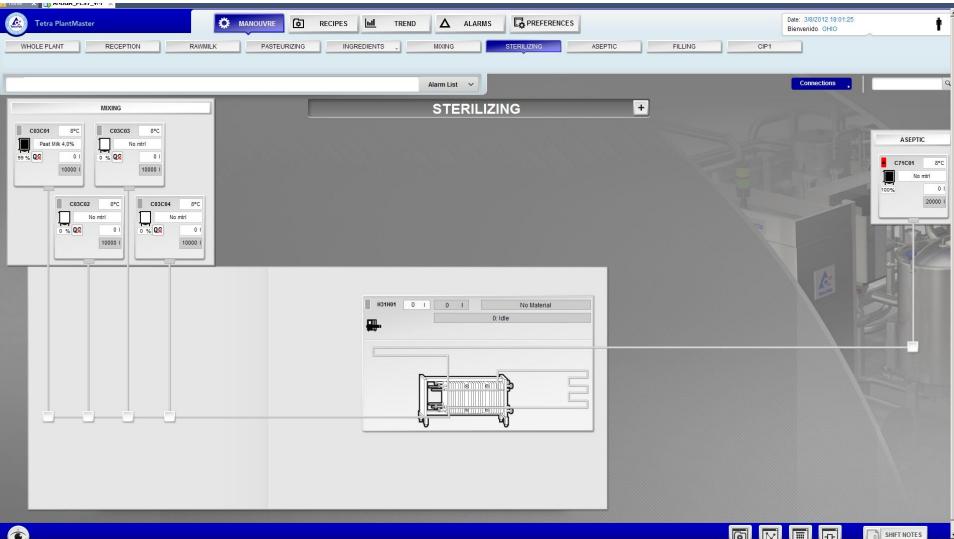


Mixing





Sterilizing





Filling Area

