



NAME OF PROJECT: Traceability and conformity system

FIELD: Food Industry

LOCATION: Laval

YEAR OF EXECUTION: 2018-2019

AREA OF EXPERTISE



MES & Industrial Software

SERVICES PROVIDED



Software

CONTEXT

Our customer wanted an application to allow them to improve the gathering of information about the quality and traceability of their products. With the information previously being gathered manually on a paper form then being entered manually into an Excel sheet, maintaining good quality information was a constant challenge. The application that we designed integrates perfectly into the management system for the packaging lines, receiving commands from the ERP that we also created.

MANDATE

PCI's mandate was to analyze the customer's needs, program the application and deploy the software in the production environment.

PCI PERFORMED THE FOLLOWING TASKS

- Analyze the customer's needs.
- Modelize the data and integrate the new tables into the customer's existing databases.
- Program the data entry screens that could rapidly and easily be used by the operators, using touch screen displays and bar code readers.

SOLUTIONS DEPLOYED BY PCI

- The new software module was integrated directly into the existing packaging line operator control stations, allowing the operators to rapidly enter the pertinent production data into the data collection system.
- The new system uses web-based technologies, which means it can be used by any authorized user from any computer in the plant.
- The system allows the plant to have historical data that can be used to easily produce the reports required by the Canadian food safety laws.

TOOLS AND METHODS USED

- Programming using HTML and JavaScript (NodeJS & AngularJS)
- Microsoft SQL Server & SSRS
- Kepware IoT (to allow communication with the PLCs)

5 SIMILAR PROJECTS UNDERTAKEN

Date	Name	ID	Product	Quantity	Status
2019-06-03 16:47	Stephen	122347	...	987456	...
2019-06-03 16:47	Stephen	121624	...	321654	...
2019-06-03 16:44	Stephen	121624	...	321654	...
	Stephen	121581
	Stephen	121581
	Stephen	13248	...	321	...
		13248	...	123456789	...
		122087	...	123456789	...
		13248	...	123456789	...
		13248	...	123456789	...
		13248	...	123456789	...