SMLC

CUSTOMER

A PepsiCo partner since 1952, Société Moderne Libanaise pour le Commerce (SMLC) in Beirut, Lebanon, bottles and distributes the popular PepsiCo brands of soft drinks, iced tea, sports drinks, juices, energy drinks and water. With ten filling lines for glass and stretch blow molded PET bottles, Aluminum cans and composite cartons, SMLC is the country's biggest beverage bottler.

CHALLENGES

In the past, production data acquisition and management information involved manual data recording using paper forms and spreadsheet software. Reports were often inaccurate and sometimes contradicting. In some instances, they even reflected a desired status rather than actual reporting values. An attempt at line automation using process visualization systems from major global automation solutions with numerous add-ons failed to fulfil the customer's reporting requirements. Reports were slow, they often failed to refresh and frequently crashed.

SOLUTION

Teknologix used zenon software from COPA-DATA to implement a comprehensive data acquisition and line management solution for five beverage production lines, one for returnable bottles, two with PET bottles and two with cans. They created the projects entirely by configuration without any programming using the software's user-friendly graphical interfaces. Completing the line management system for SMLC in a very short time was greatly helped by zenon's highly flexible, dynamic reporting tools. They made it easy to create quality reports, performance analyses or root cause analyses using pie charts or Pareto diagrams.

TECHNOLOGY

zenon is a comprehensive software platform can be used out of the box. Its long list of communication drivers enables zenon to communicate with machines from various manufacturers using different PLCs. Creating standard PLC blocks even allows integration of older equipment. The software's optimized database structure reduces memory requirement for data storage as well as report loading time.

BENEFITS

The zenon-based line management system implemented by Teknologix has eliminated the need for manual entries and provides SMLC with dynamic management reporting including quality reports, performance analyses, root cause analyses and time losses categories. Due to the software's highly efficient use of hardware resources, even very complex diagrams build up in seconds. This gives the company's management full transparency of the production and provides them with the information needed to make smart decisions based on solid foundations such as line accumulation design validations.

**SMLC
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