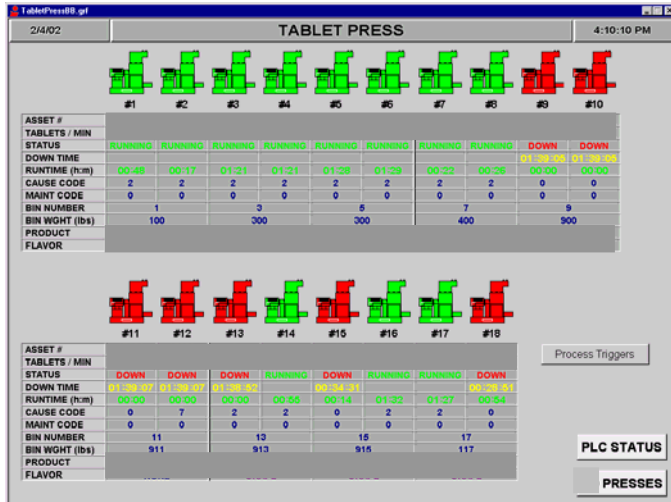


DOWNTIME TRACKING SYSTEM– EFFECTIVE TOOL FOR IMPROVING PERFORMANCE



Malisko Engineering, Inc (MEI) was asked, to provide a Downtime Tracking and Data Collection System to a multi-national Food & Beverage Company. The System monitors 21 Tablet Presses. Operators choose from 28 standard downtime cause codes. Maintenance subcategory codes are also entered and recorded. Each downtime cause is logged to a database with time/date stamp, line #, operator, product, cause code(s) and duration.

GOALS:

- Accurately capture machine downtime causes,
- Create timely reporting of downtime and maintenance causes,
- Eliminate manual data entry by electronically logging downtime causes into corporate-wide efficiency tracking/reporting system.

SYSTEM FEATURES:

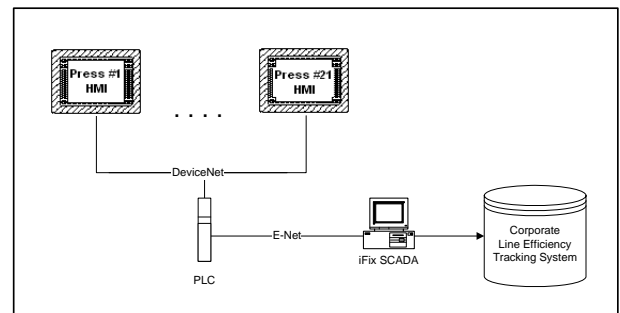
- Operator/Maintenance enters PIN code(s)- allowing for security system and tracking,
- Downtime Events are recorded by SAP asset #'s and by a physical location,
- Integrated with the existing Batch system to automatically acquire Product Name and Flavor for each tablet press,
- Counts number of tablets per minute,
- Calculates an accumulated RUNTIME for each press,
- Mechanics can log in/out to work on presses, downtime is still logged and then auto-recorded in the database,
- Downtime database automatically transfers the collected data into the Corporate Efficiency Tracking System,

- Downtime is monitored, tracked and subdivided into more detailed categories for the plant's maintenance department. This allows them to analyze and report downtime specifics to management.

ENGINEERING TASKS AND SERVICES:

- Involved in developing the concept, architecture, capital budgeting and helped reduce the original overall cost of the project,
- Assisted in the selection of instrumentation and electrical equipment,
- Used an existing PLC and integrated the new system with an existing system,
- Designed, programmed, tested, verified wiring and validated the downtime tracking system,
- Production support,
- Integrated Intellution, ACCESS database, Device-Net, operator touch screens, client-specific network, and Allen-Bradley SLC5/05 PLC (Ethernet),
- Production and Maintenance training with a User's Manual for the System.

SYSTEM LAYOUT:



For More Information, please contact:

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