Command Centre
Application Notes

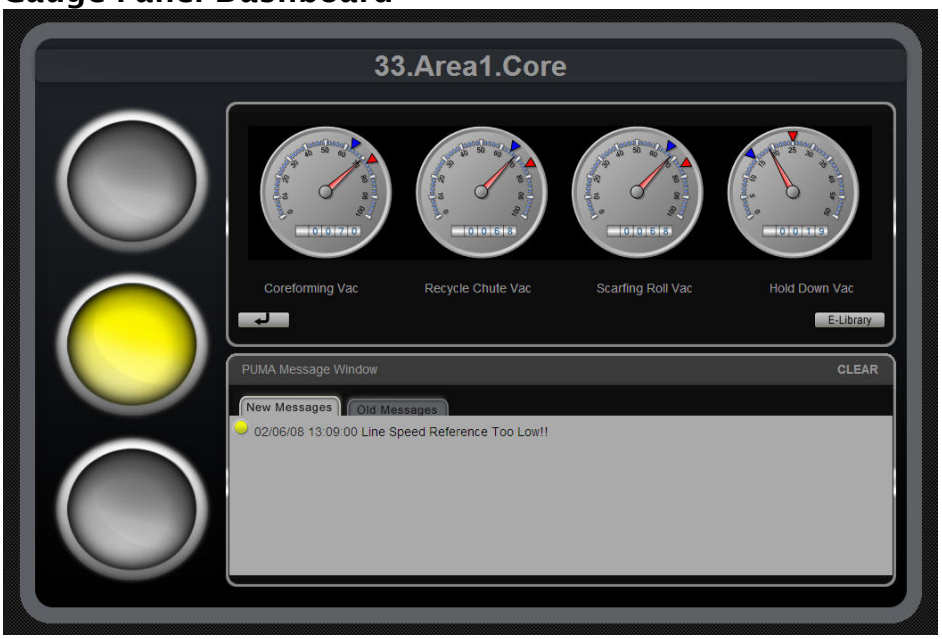
Overview

Command Centre is a new interface within PUMA that is used for real-time line monitoring. The Command Centre presents a high level view of a line or process and will indicate areas in which alerts are triggered. These alerts are color-coded based on priority and severity with normal displayed as green, warning as yellow, and critical as red.

Command Centre Main Menu Screen

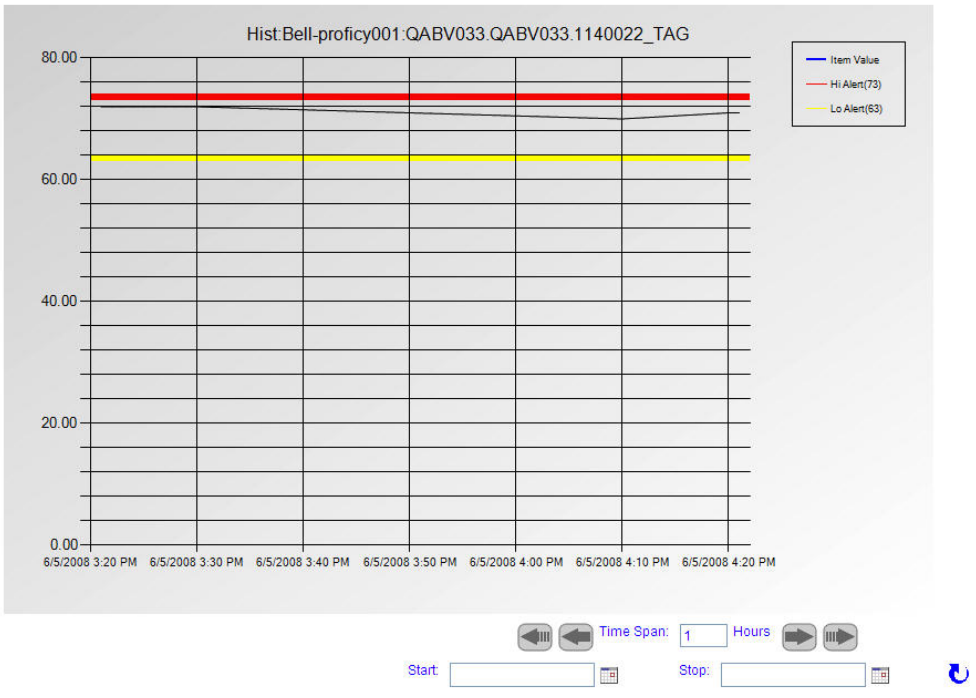
The **Traffic Lights**, which will display one of the three colors, indicate the overall priority of the line. The **Alert Group Severity Buttons** share the same color codes as the traffic light, but indicate the severity of that particular location within the line. The messages in the **PUMA Message Window** give users the opportunity to view any alerts related to the specific line or process. When an Alert Group Severity button is selected, the menu drills down one step further, providing more detailed information about that location in the line. Command Centre provides the opportunity to view virtual gauges that can monitor conditions such as pressure, torque, etc. by simply selecting the area in question.

Gauge Panel Dashboard



In addition to viewing the gauge, the operator can also choose to produce a gauge trending report.

Gauge Trending Report



Command Centre
Case Study

Challenge

A large sophisticated manufacturing plant was seeking a long term solution for line monitoring. Their current system involved operators and a manual process audit to determine quality issues, stops and breakdowns, and out of target values. While the current process worked, it need critical improvements. Work hours were on the increase due to the demand for operators to perform audits and stop/breakdown analysis; and, operators were not reacting to outages before they became issues, but after.

Solution

The company installed and implemented Command Centre using a Large Flat Panel display on its converting lines. They configured the Main Page of Command Centre into equipment areas with the sub-menu of each button containing 4 areas per converting line. Under each sub-menu button was a work point that lead to a Gauge Dashboard Panel designed to monitor pressure, torque, temperature, and vacuum of that specified point and could also provide gauge trending reports.

Results

Through the use of Command Centre's Traffic Light, operators were able to easily view on a large panel display in passing the color coded indication of whether or not a problem existed or had the near potential to exist on the line. Post installation of Command Centre, the company saw a 40% reduction in breakdowns, a 1% increase in process reliability, and over 63 work hours eliminated per month by reducing the need for manual process audits and stop/breakdown analysis.

For More Information, Contact:

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