EVENT ANALYZER

Decision Support and Root Cause Analysis for Process Engineers

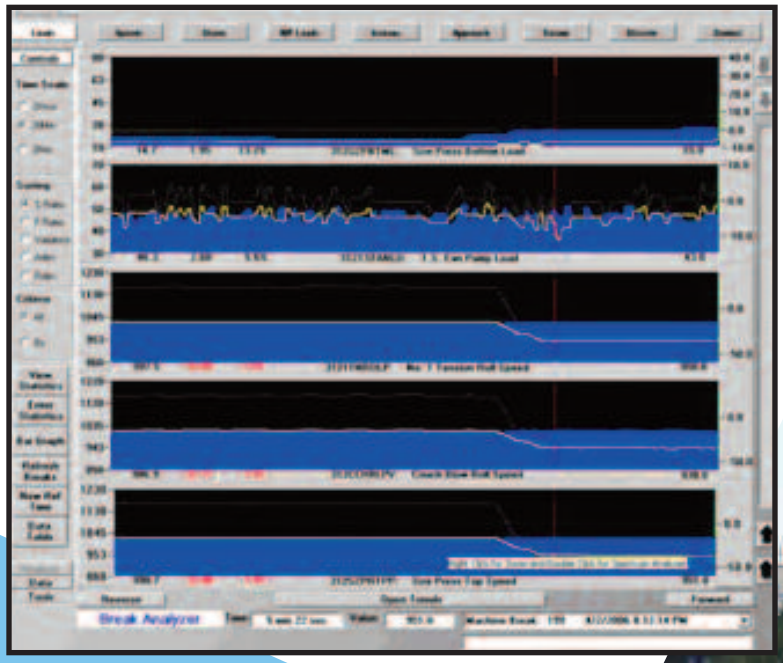
THE PM EVENT ANALYZER is a visual root cause data analysis tool that helps process engineers interpret massive volumes of data collected by industrial databases such as the PI System, OPC HDA, INSQL or by an internal SQL Server based high-speed server. The Analyzer does this by providing event-driven analysis of process variables. In the papermaking industry, this provides a shortcut to determining the causes of web breaks and other process related events or upsets.

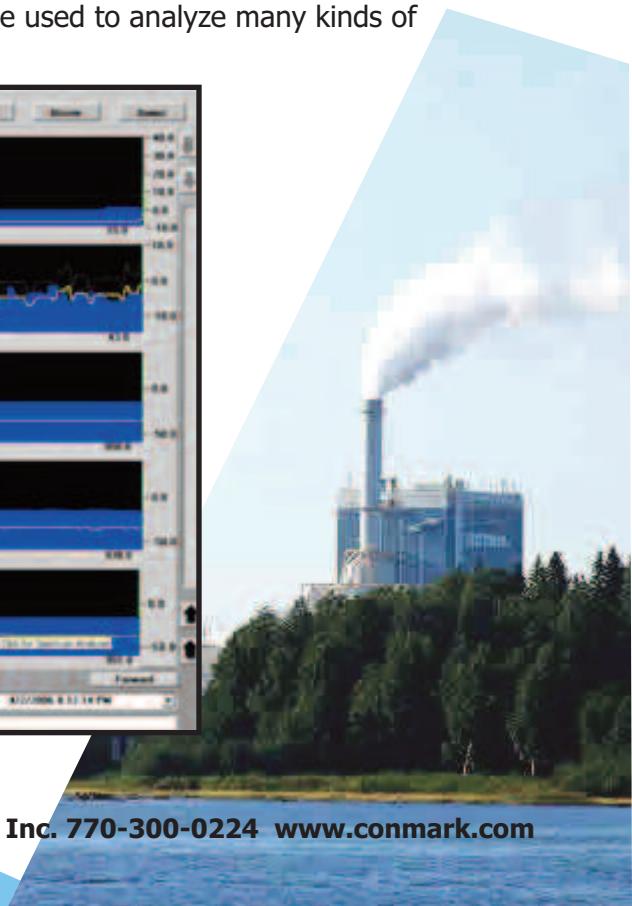
The database systems acquire information from plants or processes via interfaces to automated control systems and other sources. These systems record data from thousands of these process 'tags', at specified intervals or by manual entry. When an event takes place, it is normal for operators to review alarm status on the DCS or on drive control panels and to check the selected process tags. But which tags, of the thousands being logged, should the operator check first?

THE EVENT ANALYZER is able to automatically identify the most likely process variable to examine. It does this by displaying a graphical representation of several hundred selected process variables and by ranking these according to an algorithm based on signal processing techniques. The result is that the tags associated with the most probable cause of the event identify themselves, without tedious searching by the engineer or the operator.

MULTIPLE APPLICATIONS

The Event Analyzer has built-in features for paper machine break analysis, spectrum analysis and general process root cause analysis. Its high level mathematical tools can be used to analyze many kinds of process upsets or events.



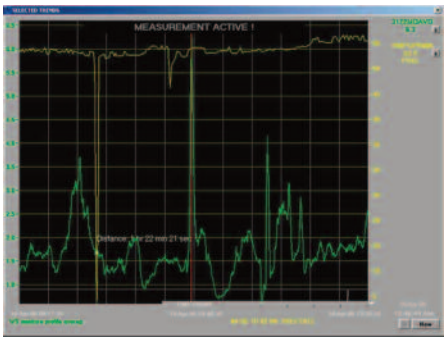


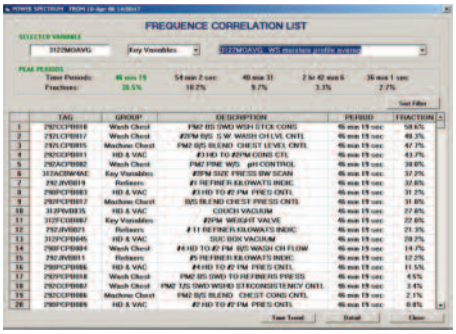
Conmark Systems, Inc. 770-300-0224 www.conmark.com

FEATURES:

•Graphical user interface
•Automatic ranking of high variability tags
•Quick to install
•Database-driven analytical tools
•Ability to e-mail results
•Based on industry standards 'Good run' vs. 'bad run' comparison
•On site access Laptop, H P4700
•User-selectable ranking criteria

GRAPHICAL INTERFACE





BENEFITS:

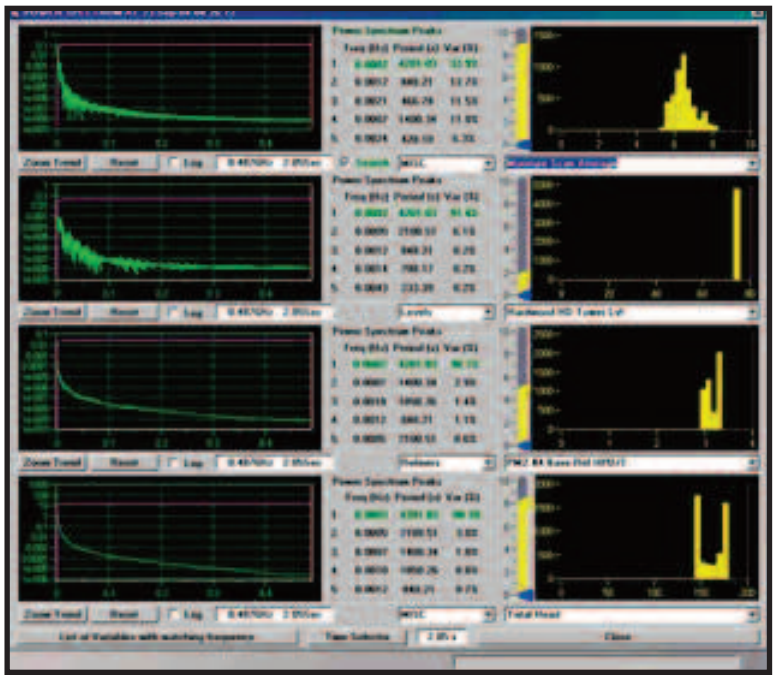
•Easy to understand and to use
•Immediate analysis available
•Quick payback, minimum disruption to operations
•Facilitate process improvements
•Improves knowledge-sharing
•Integrates with existing systems
•Easy to check the effect of changes
•Can deal with gradual process changes

FAST PAYBACK:

The Event Analyzer helps the operations staff to quickly diagnose process failures such as web breaks, generator trips and other process events, reducing the likelihood of misdiagnosis.

•Minimizes lost production
•Saves labor
•Avoids unnecessary repairs on misdiagnosed components
•Avoids secondary failures due to misdiagnosis
•Leads to rapid process improvement

DETAIL POWER SPECTRUMS:



CONMARK
Conmark Systems, Inc.
www.conmark.com
770-300-0224
info@conmark.com