HAWKVIEW SYSTEM

16 ANALOG INPUTS

16 isolated differential analog inputs are available in ±20V or ±10V range. Their design allow for simultaneous high-frequency data collection. With its non-intrusive design, the HawkView System can also provide 24V power to supply 16 local 2-wire transmitters.

4 ANALOG OUTPUTS

4 isolated, 0 to 21mA analog outputs allow the HawkView System to simulate any form or signal shape and can also be used as a DCS emulator.
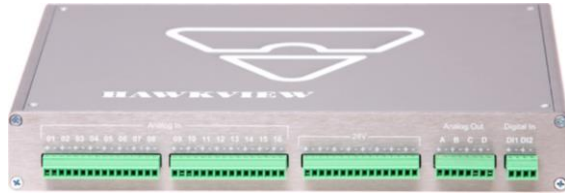
The **HawkView System** from Enero Solutions is an industrial Ethernet-based data acquisition system providing input-to-output isolation. This unique tool offers the industry a centralized system to access and store valuable high-speed data enabling effective management of the process under study. Moreover, using an Ethernet communication protocol allows distant data acquisition, simultaneous multi-module data collection and eliminates the need for expensive and fragile PCMCIA cards with cable connectors.

Outstanding resolution on the acquired signal is achieved through a 24 bits analog-digital conversion.

Individual sampling rates from 1 Hz to a fast 1 kHz are available which allow for the analysis of rapid process variations.
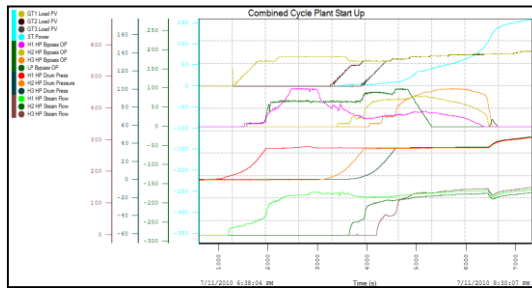
Direct PC connection, local network connection or connection via the Internet are possible through an Ethernet communication link.

ENERO solutions
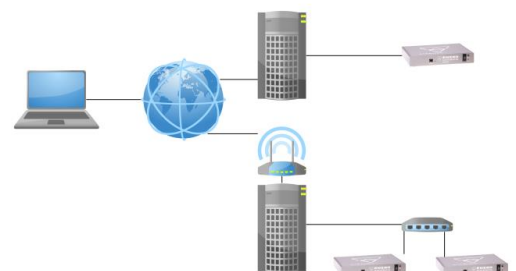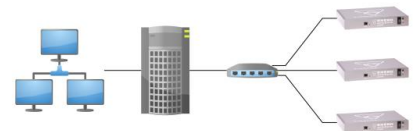
HAWKVIEW SYSTEM

COLLECTOR TOOLBOX

The Collector Toolbox is the interface to the Hawkview System. Once collected, data can be displayed with a powerful, intuitive and easy to use trending tool.

## PROCESS OPTIMIZATION TOOLBOX

Data acquired with the Collector software can be analysed using different mathematical functions:

- Statistical analysis.
- Model Identification.
- Lambda Tuning.

VISSIM* ADD-ON

Process variables simulated using the VisSim* software can be available in an analog format using the HawkView System.

Collector offers a powerful visualisation tool

The **Process Optimization Toolbox** performs necessary analysis for industrial process optimization with data collected through the Collector toolbox: *Process model identification and Tuning* is simplified by an intuitive interface. *Process Analysis and Troubleshooting* can be performed very easily using easy-to-use frequency analysis and statistical functions.
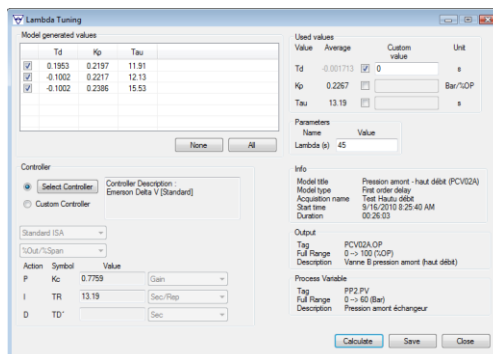
Controller Tuning Interface

The **Collector** toolbox collects process data from one or more Hawkview System through an Ethernet connection. Viewing of real-time or recorded data is facilitated using an easy to use visualisation tool.

The **SigGen** tool is included with the toolbox and allows analog signals to be generated manually or from an Excel datasheet.
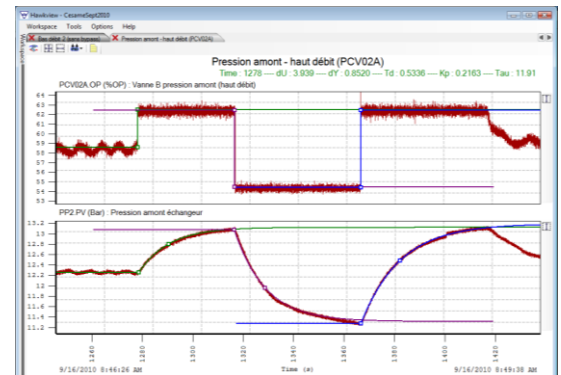
Process modeling on a bump test

The Hawkview System and Toolboxes by Enero Solutions are designed to provide the user with high-fidelity data together with a modern trending and process analysis interface.

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