

## Continuous Process Control Monitoring Safeguards Production

### Powerful Measurement Technology from Delphin



Delphin Technology and CAS Data Loggers present a process monitoring application that provides substantial business benefit to your bottom line. Effective process monitoring is critical to avoiding downtime, ensuring product quality and alarm generation to avoid catastrophic loss. CAS Data Loggers will provide you with a Delphin data acquisition system to help protect your valuable business commodities by helping assess your needs and finding the ideal solution for your process

monitoring needs.

### Independent process monitoring

Industrial processes must function smoothly to maximize productivity and to minimize downtime that will often result in extraneous costs. Effective process monitoring will also reduce inventory loss due to missed steps or inaccuracies that may be exacerbated over time.

Delphin ProfiMessage and Expert devices are popular across the world for use in process monitoring tasks because the combination of analog and digital inputs as well as the capability to gather process data via Profibus, Modbus and OPC makes them ideal for these applications. Delphin devices can directly record and report limit value violations without the need for PC support or violations can also be portrayed in an alarm list.

### Practical Example

A manufacturer of piezo ceramics monitors its firing process with Delphin ProfiMessage devices and ProfiSignal software. The firing process of each oven is triggered automatically when the oven temperature exceeds 100°C (212°F). During each process a real time three-part view is displayed showing the status of each oven. The oven status is displayed as a curve in a graphical online trend chart.

Recording and monitoring stops as soon as temperatures drop below 90°C (194°F) and the data is uploaded to a local server where access to completed runs is available to anyone with a PC on the network.

CAS Data Loggers and Delphin Technologies have provided process monitoring solutions to industries from around the world including oil and gas refineries, steel mills, cold storage, industrial gas production, printing presses and many others. The success of our clients' operations after process monitoring implementation proves there is cost significant cost savings in data acquisition and deterministic analysis of process parameters in any industry.

Delphin data acquisition systems offer configurations with various numbers of analog and digital inputs that can be used with a wide range of 3rd party sensor with outputs ranging from 0-5V, 0-10V, 4-20 mA, thermocouple, RTD, and digital or pulse. They also deliver powerful alarming that allows these instruments to process measurements and initiate actions completely independently.