

witness-CM✓

witness - Condition Monitoring



Operations Visibility from Anywhere in the World



witness-CM✓ Condition Monitoring with Bottom Line Impact



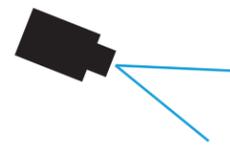
As businesses become ever more automated, there is a corresponding need for greater enterprise visibility. Operations staff as well as management has been multi-tasked to where first-hand confirmation of exactly what transpired at critical moments can be very difficult to come by. The ability to share that information with others, in a timely manner is harder still. witness-CM✓ offers a constant watch on important processes, identifying specific events. Events can be defined as virtually any analog or digital occurrence. An event could be as common as housekeeping or as special as a timely repair. IRIS' own Phenomenon™ library provides the smarts to recognize and isolate specific events that should be captured and shared with operations staff as well as management. This helps to drive production gains and control costs. That is bottom line impact you get to see.

Event triggering from witness-CM✓ ensures operational integrity by verifying that housekeeping, maintenance and repairs are properly completed. In fact it helps drive down operating costs by documenting production irregularities, validating material control and better managing waste. Further, witness-CM✓ **reduces costs** associated with warranty, certification and compliance documentation. Reducing costs has a powerful impact on the bottom line.

The impact witness-CM✓ can have on Human Resources goes beyond the bottom line. Event triggering from witness-CM✓ corroborates proper staffing levels, a safe working environment and best practices. It not only helps control HR costs, but substantially improves training capabilities; the life blood of innovation. Bottom line, improving productivity impacts profits.



- Virtually monitor critical processes and operations from any computer or smart device
- Verify that routine housekeeping, maintenance and repairs are properly done
- Monitor Process change overs and shift changes
- Check process flow and validate appropriate staffing levels



Condition Monitoring with Eyes on the Future

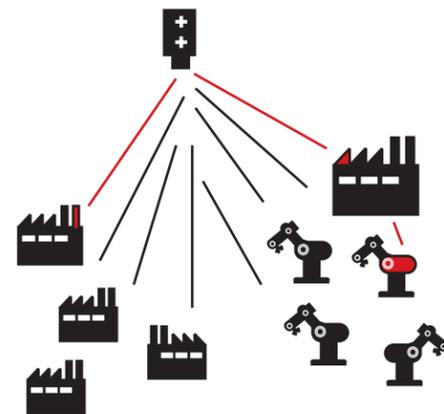


witness-CM✓ pushes event triggered communications, including images and video, to the right people for immediate action. Whether the emphasis is on cost savings, productivity, quality, better HR management, or improving customer service, witness-CM✓ offers unmatched condition visibility. The witness-CM✓ platform can monitor a nearly limitless range of critical and ancillary processes, across the plant or across the enterprise, presenting the most flexible system available in the market.

With event triggered reporting and data logging, managers can share insights and resolve issues as never before. Time stamped events are available to illustrate the good, bad and teachable in full detail. Performance reviews, audits of all kinds and corrective measures will have a level of objectivity that unlocks significant process improvements.



- Modular design for flexible, scalable solutions
- Dynamic scroll through buffer of images and corresponding data for greater insight and analysis
- Deploy as an enterprise wide monitoring platform, or utilize for special projects
- Expansive data acquisition capabilities with commercial, off the shelf technologies
- Trigger from various events, including:
 - Channel Specific / Digital
 - Analog Threshold
 - Image Change / Image HISTO-Threshold™

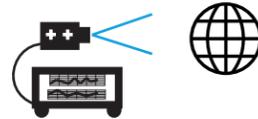


IRIS can customize any Witness-CM✓ system to meet your condition monitoring needs.

witness-CM✓

Condition Monitoring with a Unique Consideration of Your Needs

witness-CM✓ provides situational awareness for systems ranging from single lab / test sites to global manufacturing enterprises. Fortify your crucial event capture with robust and scalable data acquisition (DAQ). witness-CM✓ improves event visibility for test & measurement, monitoring and control. Event monitoring with witness-CM✓ offers dynamic scroll through buffers of images and corresponding data from a variety of sensors, such as those listed below.



■ Strain and Bridge

■ Frequency

■ Digital

■ Quadrature Encoder

■ Current

■ Accelerometer

■ Communication

■ Timing and Synchronization

■ Thermocouple

■ Resistance

■ Voltage

■ Vibration



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