Emerson Introduces Portable Multi-Channel Monitor for Continuous Online Data Collection

The new CSI XP32 Machinery Health™ Expert continuously monitors, records and analyses machine data for 100+ hours, monitoring the health of critical equipment on an as-needed basis.

Emerson Process Management announces a new innovation for plant-wide predictive machinery health monitoring. The CSI XP32 Machinery Health Expert fills the gap between the world leading two-channel portable analyser and the permanently-installed online vibration monitor. The CSI XP32 can be carried into the field and attached to turbo machinery for continuous monitoring on a temporary basis. The portable CSI XP32 Machinery Health Expert includes a transient processor for sleeve bearing turbo machinery and a PeakVue® processor specifically for balance of plant rolling element machines and gearboxes.

The CSI XP32 allows users to record hundreds of hours of continuous-time waveforms, monitor the machines live, and even play back the data as an “instant replay” from multiple camera angles. The live dashboard gives decision-makers the ability to view plots of events as they occur, enabling them to analyse the operation to avoid unexpected shutdowns or prevent catastrophic failures. The live views are especially useful during startup and run down periods when signs of trouble are most likely to appear. Four independent speed/phase channels make it possible to monitor the transient events of four independent machines concurrently.

Simultaneous collection, storage, and access of up to 32 channels of vibration data are capabilities not previously available in a portable field-based monitor. Fifty to 400+ hours of data can be stored for retrieval and analysis (depending on the number of channels recorded). This continuous recording will provide detailed information needed to analyse a machine’s operation for maintenance or planning purposes.
Users can view seven different plots on every bearing of a machine with real-time updates. Orbits, shaft centrelines, bode/nyquist, waveforms, cascades and spectral plots are available live and simultaneously using full dual-monitor functionality. An easy navigator enables technicians to move efficiently from plot to plot.

The CSI XP32 Machinery Health Expert is a component of Emerson’s PlantWeb® digital plant architecture and functions in conjunction with AMS™ Suite: Machinery Health Manager. Integration means less training and translates into cost savings for users that already own AMS Machinery Manager.

For more information on the XP32 Machinery Health Expert, go to: http://www.mhm.assetweb.com.

- ENDS -
Notes for the Editor:

**About Emerson Process Management**

Emerson Process Management (www.EmersonProcess.com), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp and paper, power, water and wastewater treatment, food and beverage, pharmaceutical and other industries. Asset Optimisation, (www.EmersonProcess.com/Optimize) a division of Emerson Process Management, is a leading worldwide supplier of services and technologies to increase the availability and performance of production assets for improved bottom line results. Asset Optimisation plays a key role in the Emerson mission of combining superior products and technology with industry-specific engineering, consulting, project management and maintenance services to help customers achieve the potential of their operations. Emerson brands include PlantWeb®, Fisher®, Micro Motion®, Rosemount®, Mobrey®, Daniel®, Bristol®, DeltaV™, Ovation® AMS™ Suite and CSI.

**About Emerson**

Emerson, based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2006 were $20.1 billion. For more information, visit www.Emerson.com

PlantWeb and AMS Suite are marks of Emerson Process Management. All other marks are the property of their respective owners.
CONTACT ADDRESSES:

If you wish to publish for your readers the address, telephone and fax details to contact Emerson Process Management, the relevant information will be:

Emerson Process Management, Horsfield Way, Bredbury, Stockport SK6 2SU UK

Telephone: 0870 240 1978 (UK)  +44 870 240 1978 (Int)
Fax: 0870 240 4389 (UK)  +44 870 240 4389 (Int)
Email: uksales@EmersonProcess.com
Web: www.EmersonProcess.com

FURTHER PRESS INFORMATION:

Our Ref: 501409

Issued by: HHC Lewis Limited
22-26 Commercial Road
Southampton
SO15 1GE
UK
Tel: +44 (0)23 8022 6361
Fax: +44 (0)23 8033 1585

Illustrations: To request an image to accompany this release please click on the following link
http://www.emersonprocess.eu/excom/51/43/page/CU_CF1

Photo enquiries: Genevieve Nicholls
Email: genevieve.nicholls@hhc-lewis.co.uk

Technical enquiries to: Roger Cherry
Email: roger.cherry@hhc-lewis.co.uk

Reader enquiries to: Rebecca Cadorette
Emerson Process Management
Horsfield Way
Bredbury Industrial Estate
Bredbury
Stockport SK6 2SU, UK
Email: marcomms@EmersonProcess.co.uk