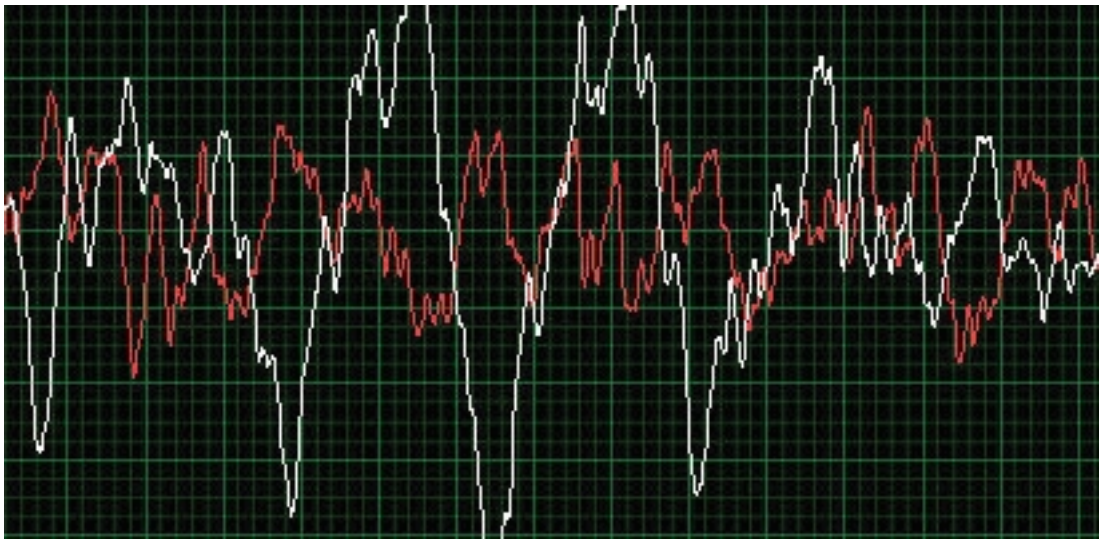

We put the spotlight on products and services for dealing with this killer of equipment and processes.

Keep The Blades Turning

Proper alignment of the drivetrain and balancing of the rotor blades are important to condition monitoring of wind turbines. Now, thanks to Ludeca's VIBXPERT® and its OMNITREND® PC software, wind-turbine vibration signals are no longer a problem to measure and evaluate. For details, check in with LUDECAwind. It provides a variety of system support services for wind-energy operations, including installation and start-up of condition monitoring systems, telediagnosis services with remote monitoring, laser alignment and geometric measurement systems, continuous alignment monitoring and consulting.

LUDECAwind
A Division of Ludeca, Inc.
Doral, FL

For more info, enter 30 at www.MT-freeinfo.com

New Smart Demo Practice System From Update International

Learn and practice critical mechanical skills and see your results right away in a powerful, integrated visual display. Update International's Smart Demo is a variable speed motor/shaft/bearing trainer integrated with four triaxial accelerometers, tachometer and a 13-channel vibration acquisition and analysis system. This training platform is based on Update's experience in training thousands of students in vibration analysis, machinery installation, alignment, resonance and balancing skills.

Update International
Denver, CO
(800) 530-4215
www.updateinternational.com

For more info, enter 31 at www.MT-freeinfo.com

Protection & Monitoring In One Device

SKF's Multilog On-line System DMx is a multi-featured vibration monitor for both conventional and hazardous environments. Awarded ATEX, IECEx and cULus certifications, the system can be directly installed within a hazardous area, removing or reducing cabling, cabinets and isolation barriers and, ultimately, saving time and money during installation. According to the manufacturer, DMx combines both protection and condition- monitoring functionality in a single device, making it ideal for use with critical machinery such as gas turbines, generator sets, motors, pumps and compressors in a wide range of industries.

SKF Group
San Diego, CA

For more info, enter 32 at www.MT-freeinfo.com

Vibration Institute Certification

Certification adds credence to any professional skill and acknowledges the capability and motivations of individuals. It provides professional recognition by clients, employers and colleagues. Certification activities have increased and broadened the knowledge and skills of vibration analysts. A certifying body—*which assesses the capability and knowledge of individuals against a published body of knowledge* —must achieve a recognized credibility.

The Vibration Institute certification program, initiated in 1993, is based on ISO 18436.

- Part 1 defines how a vibration certification program is administered.
- Part 2 contains a body of knowledge divided into skill categories.

To be credible, the certifying body must have a scheme committee comprised of technical experts to develop exams that fairly assess the knowledge and skills of candidates. In order to assure the public that a certification program is credible, a certifying body should be accredited. The Vibration Institute is accredited by the American National Standards Institute to ISO/IEC 17024—*which pertains to accreditation of personnel certification bodies*. Rules for operation of a credible certification program require a certifying body to be a financially viable, transparent organization; to have any training totally separated from the certification process; and to have both statistically and cognitively based examinations related to a credible body of knowledge.

Vibration Institute
(630) 654-2254
Willowbrook, IL
www.vibinst.org

For more info, enter 33 at www.MT-freeinfo.com

Industry's Partner In The Vibration Trenches Since 1918

VSC has been helping prevent machinery failures and unnecessary repairs since 1918. The company notes that it balanced Thomas Edison's turbines and generators and Henry Ford's Model T crank shafts.

Today, using state-of-the-art instrumentation (now developed in-house), it offers 24-hour machinery diagnostics, balancing and alignment-, at your site or in the VSC Balancing Center. Service personnel are accustomed to evaluating rotating equipment in both land-based and marine applications. The Balancing Center is able to accommodate rotors weighing up to 20,000 lbs. in-house and up to 400,000 lbs. on-site. A complete line of condition-monitoring products and training services also are offered.

Vibration Specialty Corp. (VSC)
Philadelphia, PA

For more info, enter 34 at www.MT-freeinfo.com

Bundled Condition-Monitoring Services

Azima DLI's WATCHMAN™ Reliability Service Plans are a series of simplified, pre-packaged programs that offer a fresh alternative to traditional, complex á la carte maintenance programs. These three all-inclusive offerings are tailored to address specific requirements for lean and reliable plant operations. Each includes an evaluation of the plant environment and risk profile along with a clearly defined set of solutions and deliverables to meet uptime, compliance and cost-avoidance objectives. Azima DLI also provides data acquisition tools.

Azima DLI
Woburn, MA

For more info, enter 35 at www.MT-freeinfo.com

Collect, Store, Analyze & Transmit

ProvibTech's PCM360 machine condition management system can collect, store, analyze and transmit machine status monitoring information over local or wide-area networks. The product provides static, dynamic and transient data collection and analysis, such as graphical indication of vibration level, trend, waveform, spectrum, bode plots, cascade plots and more. Any ProvibTech monitor and transmitter can be quickly and easily integrated to upload machine status and its dynamic data to the PCM360.

ProvibTech, Inc.
Houston, TX

For more info, enter 36 at www.MT-freeinfo.com

M12-Connector Accelerometers

Meggitt Sensing Systems, makers of Wilcoxon vibration sensors and sensor networks, is offering three new accelerometers with M12 connectors to its line. The M12 connector makes it easy to implement vibration monitoring where existing infrastructure is already built around the M12 standard, such as in the process industries. The new products are hermetically sealed using a fused glass-to-metal connector, feature all welded construction and are rated for temperatures up to 120 C.

Wilcoxon Research
Germantown, MD

For more info, enter 37 at www.MT-freeinfo.com

First-Alert Wireless Vibration Sensors

IMI's Echo™ Wireless Vibration Sensors can safely "look" at a machine's health several times a day and provide data to existing vibration- or plant-monitoring systems. The Echo operates in the 902 to 928 MHz unlicensed ISM band, has a -155 dBm noise floor and -145 dBm sensitivity. It can detect RF signal levels down to a millionth of a billionth of a milliwatt. Actual field-testing has achieved signal transmission distances of 1/3 mile through buildings. Outdoor transmission has been measured in miles.

IMI Sensors
A Division of PCB Piezotronics
Depew, NY

For more info, enter 38 at www.MT-freeinfo.com