

CARBON CAPTURE & STORAGE
PLANT BARRY PROJECT PASSES
100,000-TON MILESTONE

EXECUTIVE ROUNDTABLE
A DISCUSSION ABOUT THE FUTURE
OF NUCLEAR POWER

ENVIRONMENTAL COMPLIANCE
PREPARING FOR THE NEW 316(b) RULE

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PennWell®

Tank Side Coalescer

The Eriez Hydroflow Tank Side Coalescer is designed to sit behind a metalworking shop's machining center and skim free-floating tramp oil out of the machine coolant. With a flow rate of 1.5 GPM, this small, inexpensive sump-side coalescing unit allows oils to rise naturally by providing a motionless area not available in a turbulent sump.

The submersible pump sits inside the coolant tank drawing coolant into the 15-gallon drum. The adjustable skimmer removes any tramp oil off the top layer of coolant. Through a gravity hose, the clean coolant is returned to the machining center sump.

Eriez
For info: <http://www.eriez.com/hydroflow>

Fiber Optic Cables

Optical Cable Corp. announces the immediate availability of its 10 gigabit multimode, ruggedized tight buffered fiber optic cables designed to withstand harsh industrial environments found in manufacturing plants.



OCC's tight-buffered fiber optic cables have two thin coatings surrounding each optical fiber and a secondary buffer that, together with the primary coating, reaches "heavy weight" proportions such as 387 microns.

OCC's ruggedized fiber optic cables are made to withstand environmental insults such as caustic and volatile chemicals, excessive moisture and fungus, UV exposure, and operating temperatures ranging anywhere from -55 to +124 °C.

Optical Cable Corp.
Info: <http://powereng.hotims.com> RS#: 403

Dust Collector Diagnostics

FilterSense's B-PAC series of baghouse performance analyzers and controllers feature a combination of features to help dust collector operators reducing operating costs, improving the process and meet EPA or OSHA compliance simultaneously.



The controllers tightly integrate control, sensing and signal analysis to provide time and money saving diagnostics including the ability to

detect/locate filter leaks weeks before emissions are visible; the ability to detect/locate failed pulse solenoids that can lead to plugged filters; and the ability to instantly detect/locate ruptured or frozen pulse-jet diaphragms where one undetected rupture can cost \$1K of compressed air in one week.

FilterSense
For info: <http://www.filtersense.com>

Data acquisition hardware platform

VibRunner is a solution-oriented data acquisition hardware platform from m+p international. It is designed for dynamic measurement and shaker control applications where numbers



of channels and high data throughput are vital for accurate and efficient testing.

VibRunner is designed for projects such as engine test cells where high data throughput is important, large structures where distributed inputs reduce sensor cabling, large channel count requirements such as sensitive satellite pre-flight testing, or just where a wide range of testing needs demands the ultimate flexibility in test system configuration. The product is designed to be used with m+p's proven VibControl, SO Analyzer and Coda software solutions.

The 19" mainframe houses up to 3 front-mounted modules and can be used standalone or rack mounted. With DC and AC inputs to the power supply and a high-quality silent fan which can be switched off at the host PC for sensitive measurements, VibRunner is equipped for all test installation requirements.

Vibrunner
Info: <http://www.mpihome.com>

Emergency warning equipment

BE offers explosion-proof horns, strobes, combination units and loudspeakers from E2S.

The equipment is made for use in both



onshore and offshore gas and dust hazard areas in Zones 1, 2, 21 and 22.

The horns have 32 alarm tone frequencies, three stages and outputs of 117 or 121dB(A) at 10 ft. The Appello offers user-recordable voice messaging combined with a choice of tones. The Xenon strobes are rated at 5, 10, 15 and 21 Joules, giving peak outputs of 35,000, 79,500, 94,750 and 110,800 candela. The combined horn-strobe units and double-ended strobes are available, as are multi-unit arrays with different combinations of sounders and strobes on a common mounting plate.

BE
Info: <http://powereng.hotims.com> RS#: 404

Temperature and pressure charge amplifier

Kistler North America introduced the Type 5155A multi-channel temperature and pressure charge amplifier. The Type 5155A is designed to convert the charge signal from all types of piezoelectric sensors and Type K thermocouples into a proportional voltage output signal, for the effective monitor, control and optimization of injection molding processes.

The Type 5155A measurement range input is offered in two ranges, with choice of single-, two- or four-channel operation, that may be switched over individually for each channel by remote. Those with temperature inputs are provided with one charge amplifier unit and one temperature amplifier, or two charge amplifiers and two temperature amplifiers.

The charge amplifier is ideal for optical lens manufacturing, thin- or thick-wall medical component molding, and electrical connector manufacturing applications

Kistler North America
Info: <http://powereng.hotims.com> RS#: 405

Class 1 Division 2 LED Light

Magnalight.com by Larson Electronics has released its high power, hazardous location approved, LED light fixture capable of replacing 400 watt metal halide units. Designed for use in demanding industrial, commercial, and marine environments, the HAL-PRM-150W-LED incorporates the

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