

# POWER

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## Managing Boiler Water Corrosion and Deposition

India Looks at All Sources  
to Power Growth

Nuclear Uprates  
Add Critical Capacity

Lessons Learned from  
a Hydrogen Explosion

How to Tune a Boiler, Part II

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ROBERT RANDLE / PRESIDENT, RCI TECHNOLOGIE  
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 Access  
Intelligence

### Advanced Vibration-Monitoring Technology

Sweden's SKF Reliability Systems introduced the SKF Microlog Analyzer AX, an advanced vibration-monitoring technology. With simultaneous triaxial or four-channel vibration measurement capability, the unit speeds up data collection and saves time in monitoring rounds. The 806 MHz Xscale processor also means faster real-time rate and display updates. An available range of application modules allows users to create a custom device to perform several advanced tasks, such as impact tests, digital recording, modal analysis, transient phenomena analysis, and quality inspections.

Application modules include those for balancing, bump analysis, recorder, frequency response function, run up/coast down, and check to conformance. The unit's rugged IP65-rated housing is dustproof and waterproof, making it well-suited for industrial environments. The rechargeable lithium battery supports 8 hours of continuous data collection. ([www.skf.com/cm/microlog](http://www.skf.com/cm/microlog))



### Two-Pump Fuel Recirculating System

The Duplex Pump Unit (FRS 660-11-DPU-UL) from RCI Technologies is the newest addition to that company's line of diesel fuel purifiers and fuel recirculating systems (FRSs). Designed to automatically circulate and clean the fuel in customers' fuel storage tanks on a preprogrammed schedule, the DPU features two fuel pumps, which operate alternately to circulate fuel through the system. Whereas RCI's other FRS units utilize a single pump, the duplex pump offers backup in the event of a primary system failure. All FRS units employ filter-less technology. The control system is housed in a

weatherproof, NEMA 4, key-lockable cabinet, and the system is equipped with alarms to alert the user in the event of pump failure, purifier high water level, system high pressure, or fuel catch basin leak.

([www.rcitechnologies.com](http://www.rcitechnologies.com))



### Stronger Air-Powered Hoist

The "TCS Cheetah" air-powered hoist by Harrington Hoists Inc. is now available in two new capacities: the 3/4-ton TCS25 and the 1-ton TCS1000C/P-2. Built for heavy-duty use, the units are adjustable to fitting requirements, particularly fast-acting or repetitive lifting applications. Additional features include a compact lightweight aluminum body with good loadroom, a disc brake for reliable load support, a vane monitor for very fine positioning control, and an unlimited duty cycle for continuous operation. ([www.harringtonhoists.com](http://www.harringtonhoists.com))