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Eaton's LifeSense Hose Wins 2012 Top New Technology Award from R&D Magazine

Eaton's new LifeSense® hose, an intelligent hydraulic hose-condition monitoring system, has received a prestigious R&D 100 Award from *R&D* magazine. Selected by an independent panel of experts and the magazine's editors, Eaton's LifeSense hose joins the ranks of other breakthrough technologies that have been recognized as the most technologically significant products introduced into the marketplace over the past year. This year the R&D 100 Awards mark 50 years of celebrating innovation in science and technology.

Leading the Way in Science and Technology

"We are extremely pleased and honored to be recognized as an R&D 100 Award winner," said Jeff Finch, Eaton senior vice president and general manager. "The award validates the significance of LifeSense hose and its unmatched ability to tackle a long-standing industry challenge of sensing when a hydraulic hose is near the end of its useful life."

The patented LifeSense hose technology monitors hose assemblies in real time, detects both internal fatigue and external surface abrasion failures and notifies users when a hose is approaching the end of its useful life – all with enough time for the hose to be replaced during normal preventive maintenance.

"Not only does LifeSense hose have the capability of dramatically reducing the incidence of hose failures in the field," Finch added, "it provides our customers with critical performance value by mitigating unplanned downtime and its costs. Furthermore, it can virtually eliminate the wasteful practice of time-based hose replacement, which results in countless feet of perfectly good hose being discarded every year."

Entries in the R&D 100 Awards, often called the "Oscars of Innovation," include testing equipment, innovative materials, chemistry breakthroughs, biomedical products, consumer items and physics technologies from industry, academia and government-sponsored research projects.

Since 1963, the awards program has identified revolutionary technologies that have become household names, such as the flashcube, automated teller machine, halogen lamp, fax machine, liquid crystal display and high definition TV.