



Doble Announces a ‘Check-Engine-Light’ for Transformers, the Delphi Mini, A Smaller, Specialized Tool To Detect Early Warning Signs of Transformer Deterioration

New Delphi Mini Dissolved Gas Analysis (DGA) Monitor Helps to Cost-Effectively Track Transformer Health By Monitoring Key Risk Factors Associated with Dissolved Gas Levels

WATERTOWN, Mass. (December, 17 2013) – Rapidly aging transformers and deferred capital spending on new equipment continues to put pressure on the viability of the U.S. electric power grid. As pressure on the grid rises, electric power professionals' ability to accurately test and track performance through state-of-the-art tools becomes increasingly critical.

To meet the needs of professional engineers in the field, and in response to customer feedback, [Doble Engineering Company](#) has developed the Delphi Mini – a cost-effective dissolved gas analysis (DGA) monitor, and the newest member of the [Doble Delphi product line](#). Designed as a “check engine light” for transformers, it continuously provides single value readings - of either hydrogen or composite gas – that indicate when intervention is necessary in real time, indicating the need for further testing or more costly monitoring measures.

The Delphi Mini helps in maintaining the reliability and life of transformers by giving professionals the ability to detect sudden changes in dissolved gas levels as they become evident -- all preventing possible, long-term, or catastrophic damages, that could cost up to several million dollars.

“The Delphi Mini puts us one step closer toward helping electric power professionals at every stage while they service and maintain power transformers,” said Dr. Tony McGrail, Solutions Director, asset management and monitoring technology at Doble Engineering Company. “At Doble, we are committed to providing the best resources on the market, supported by the most advanced consulting professionals and testing services in the industry, to prevent failures where possible and give adequate warning of system deterioration.”

Important product features of the Delphi Mini include:

- Continuous, on-line dissolved gas measurement – a key indicator of transformer health
- Self-monitoring technology that ensures the data provided is valuable and actionable intelligence
- Immunity to failure during oil surges, maintenance, and other activities as a result of its patented vacuum resistant membrane.

For more information on the Delphi Mini, please visit the product [webpage](#).

About Doble Engineering Company

Now in 110 countries, Doble Engineering Company has been helping clients in the electric power industry improve operations and optimize system performance for nearly a century. Doble offers diagnostic instruments, services, and the world’s premier library of statistically significant apparatus test results for the benefit of energy generation, transmission, delivery companies and industrial power



users worldwide. Doble is part of the Utility Solutions Group of ESCO Technologies Inc. (NYSE: ESE), St. Louis. For more information, visit: www.doble.com

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Media Contact

Rachel Adam

Corporate Ink for Doble Engineering Company

radam@corporateink.com

617-969-9192