IEEE Award Winning Paper co-authored by Mirus International

BRAMPTON, ON – September 20, 2011 – Mirus International's President and CEO, Tony Hoevenaars, has been honoured for his contribution to the IEEE Paper, *Design Considerations When Applying Various ASD Topologies to Meet Harmonic Compliance* along with three co-authors. The paper was selected as the 3rd Place Prize Paper from the 2010 IEEE IAS Petroleum and Chemical Industry Technical Conference in San Antonio. The highly regarded award is in recognition of the authors' dedication and contribution to the electrical engineering profession.

"It is an honour to be recognized by the IEEE community and to be a part of the collaborative team that was responsible for developing the paper," says Tony Hoevenaars. "As a long-standing member and contributor to IEEE, conducting research and publishing papers demonstrates mine and the company's commitment to ensure the IEEE community shares its collective knowledge for the benefit of the membership and the industries we serve."

The goal of the Award-winning paper was to solve the challenge many electrical engineers have when attempting to limit the harmonic distortion produced by Adjustable Speed Drives (ASDs). Manufacturers have introduced several methods of both passive and active harmonic mitigation and users of ASDs who are faced with the various options often find it difficult to select the most appropriate one for their particular application.

To solve this challenge, Tony and the team used computer simulation and laboratory measurements and as highlighted in the paper, they analyzed the most common passive solutions for low voltage (LV) applications which include ac line reactors or dc link chokes, phase shifting to produce multi-pulse ASDs and inline passive harmonic filters.

The computer simulation program used in this research was Mirus International's own SOLV™, the company's proprietary *and complimentary* harmonics analysis software. SOLV is a powerful simulation program that will calculate current and voltage distortion levels by simulating the Mirus Lineator™ and Adjustable Speed Drive (ASDs) based on your load requirements. By simply entering some basic information about your source and ASD system, Mirus' SOLV will help you find the right solution for your application. Download your free copy of SOLV today.

Download the IEEE prize-paper. To learn more about Mirus International and its line of power quality improvement products – harmonic filters, data center solutions, generator solutions and transformers visit www.mirusinternational.com.

Prize paper co-authors:

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About Mirus International
Mirus designs and develops world class power quality improvement products for mission critical operations. Their uniquely specialized product line includes highly efficient harmonic filters, transformers, autotransformers and Data Center power distribution equipment. Comprised of a leading team of power quality experts, Mirus' solutions minimize disruption to the power supply, improve reliability and adhere to the strictest of regulatory requirements while also saving energy. Proven to perform, Mirus products are available globally and are real-world tested in its own Harmonics & Energy (H&E) Lab.