

ABB teams up with Simsmart Technologies to provide an effective automation technology package to the underground mining industry

Burlington, ON, September 22, 2008—ABB, the leading power and automation technology group, announced today that it is joining forces with Simsmart Technologies to provide a fully integrated automation technology package for use by the underground mining industry.

The new cooperation agreement combines Simsmart's Optimized Mine Ventilation On-Demand (OMVOD) real-time system with ABB's proven mine automation technology to offer all global mining companies this integrated automation solution.

Simsmart's OMVOD system provides reliable dynamic tracking of hundreds of terminal devices connected to diesel machinery and personnel underground. Thanks to this innovative system, coupled with ABB's recognized automation technology leadership in helping its customers use electrical power more effectively, underground mine operators will be able to improve the overall performance of their control systems while lowering energy costs and environmental impact.

"More specifically," underlines Dave Willick, ABB Inc. (Canada) Mining Sales Manager, "our cooperation with Simsmart Technologies will allow our mining customers to enhance their ventilation planning, reduce their ventilation energy costs by up to 50%, increase production, considerably improve miner safety, and markedly diminish carbon emissions from power generation."

About ABB's solutions

With ABB's technology leadership, global presence, application knowhow, and local expertise, ABB offers products, systems, solutions and services that allow customers to improve their operations – whether they need to increase the reliability of a power grid or raise productivity in a mine.

ABB's global manufacturing base ensures consistent top-quality products and systems – made in ABB – for customers around the world. ABB customers have broad and easy access to ABB's offerings - whether they buy directly from ABB or through distributors, wholesalers, system integrators or other partners.

About Simsmart solutions

Simsmart modeling and simulation products are real-time and multi-discipline for systems involving liquids, gases, ventilation, electrical generation and distribution, diesel and gas turbine power plants, and controls. Simsmart has delivered products and solutions in a dozen countries around the world.

An integral part of the Simsmart OMVOD solution is the underground machinery and personnel dynamic tracking capability. In this regard Simsmart integrates to its solution best-in-class technology from Newtrax Technologies Inc. of Montreal.

The Simsmart Optimized Mine Ventilation-On-Demand (OMVOD) solution depends on reliable dynamic tracking of hundreds of terminal devices connected to diesel machinery and personnel underground. Newtrax is clearly a reliable, cost-effective and perfectly integrated option to fill the gap between standard telecom infrastructure and the requirement for real-time optimized ventilation on demand. Therefore, Simsmart can take full responsibility of an OMVOD implementation inclusive of tracking.

Other WiFi and Leaky Feeder based tracking systems are compatible with the Simsmart OMVOD system according to individual client preference or existing communications/tracking infrastructure already in place.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve overall mine systems performance while lowering energy costs and environmental impact. The ABB Group of companies operates in around 100 countries and employs about 115,000 people. In Canada, (www.abb.ca) ABB employs over 2,000 people in 26 locations from coast to coast.

Simsmart Technologies (www.simsmart.com) is a privately held company with headquarters in Montreal. Simsmart offers process engineering, optimization and training products and turnkey solutions to the military and general industry sectors.

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