

safety **POWER** News for May 2011

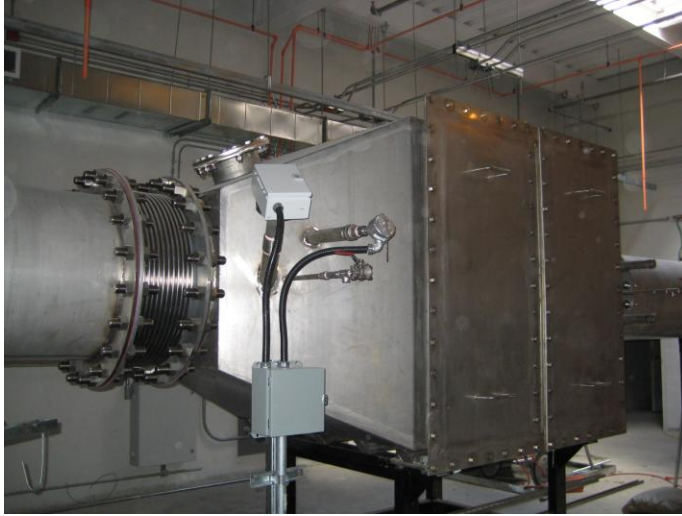
Welcome to this issue of the Safety Power News. Safety Power is Canada's largest provider of environmental solutions for large scale diesel and natural gas engines. In this issue we focus on a recent project for a major financial institution and on information related to emissions systems for large scale generators. We hope you enjoy the articles. As always your feedback is most welcome - Bob Stelzer, Chairman, Safety Power Inc bob.stelzer@safetypower.ca . More info is also available at www.safetypower.ca

New Project Completed – Major Financial Data Center



Safety Power Inc (SPI) has just commissioned a new installation of 5 Selective Catalytic Reduction (SCR) systems at a major financial corporation's data center. For security reasons the name of the corporation and the location of the data center cannot be released. Safety Power's system provides emissions control for 5 Caterpillar 3516C HD engines. The Safety Power system was required to meet NOx reduction of 95% using a closed loop control system. Each of the CAT generator sets is capable of producing 2.5 MW of electrical power at full load. Safety Power has a large installed base of units at other financial data centers. "We are very pleased to be able to enhance our relationship with customers in the financial services business", says Robert Desnoyers, President of Safety Power.

The financial institution hired an independent engineering firm to validate the environmental performance of the Safety Power equipment. The detailed testing done by the independent engineering firm confirmed that the system exceeded its design target of 95% reduction of NOx across the complete load range for each generator. These results make the system compliant with the current NOx requirements of Ontario Ministry of Environment EBR 010-2463 and meet the associated US EPA Tier 4 final targets. In addition to dramatically reducing the NOx emissions, noise and visible particulates are also significantly reduced.



Bob Charlton of Safety Power was responsible for the commissioning of the emissions systems. "The installation and start up of the equipment went smoothly. We are very appreciative of the excellent support we had from the engine supplier and the installation contractor."

New Product Update from Robert Desnoyers

Robert is the President of Safety Power and has been with the Company since its inception in 2005. Robert started out his career in the Navy and has worked in several

technology and management positions in the facilities and energy sector since then. Robert is a keen sailor (no doubt the call of the sea did not end after his Navy days) and hockey fan. We talked to Robert about some of the issues that we felt might be of interest to our readers. We asked Robert about some of the new products available from Safety Power.

"We are proud to release 2 new products that address key environmental concerns that have been raised raised by our customers:

- (1) For customers with existing, older installations of diesel generators there is a concern about odour and smoke (particulate matter). Many of these older installations have significant emissions of particulate matter. These installations typically have space and budget constraints. For these customers we offer our innovative FOxtm module. The FOxtm module reduces visible smoke dramatically (even for a cold start engine driving into a full load) and significantly reduces diesel odour. It is relatively low in cost and is easily installed even in locations where space is a premium.
- (2) For new installations with NOx compliance issues many jurisdictions have a 30 minute averaging interval. When the generator is being tested this means that startup time of the SCR is critical. Our systems are designed with low temperature activation catalysts which allow us to achieve activation within less than 10 minutes. For applications which require even quicker activation we offer a preheat system."

For more information visit us at:

www.safetypower.ca

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