

# **safety** **POWER** News for April 2012

Welcome to this issue of the Safety Power News. Safety Power is a recognized global innovator and Canada's largest provider of environmental solutions for large scale diesel and natural gas engines. In this issue we focus on 2 recent projects for a major financial institution and on information related to emissions systems for large scale generators. As always your feedback is most welcome - Bob Stelzer, Safety Power Inc [bob.stelzer@safetypower.ca](mailto:bob.stelzer@safetypower.ca) . More info is also available at [www.safetypower.ca](http://www.safetypower.ca)

## 2 New Projects Completed – Financial Data Centers



Safety Power Inc (SPI) has just finished commissioning two new installations with a total of ten Selective Catalytic Reduction (SCR) systems at two major data centers. Each project included the SCR reactor, Control & Dosing system, urea storage with a capacity for 72 continuous hours of operation at full-load and a duplex urea transfer pump system. For security reasons the name of the customer and the location of the data center cannot be released. Safety Power's system provides emissions control for Caterpillar C175 engines. The Safety Power system was required to meet NOx reduction of 95%. Each of the CAT generator sets is capable of producing 3.2 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 witness and 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.

## FOx™ Module Test – eliminating smoke and odour



If you have a problem with smoke and odour from your diesel generator, the FOx module may be a perfect solution. The picture on the left shows a 100kW Tier 3 engine starting up without the FOx. On the



right you can see the engine running with the FOx – no smoke or odour in this picture. Checkout a video taken of the test at:

[http://www.youtube.com/watch?v=t-AMqJ4IM&list=FLbBLovmyA9GJTp1rCK6ZUdQ&index=1&feature=plpp\\_video](http://www.youtube.com/watch?v=t-AMqJ4IM&list=FLbBLovmyA9GJTp1rCK6ZUdQ&index=1&feature=plpp_video)

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