

CEO's Perspective



invest

Helping to Reduce Harmful Engine Emissions

NxtGen Emission Controls is a cleantech company that is making a meaningful contribution to improving the environment. Our core technology, syngas, created from air and fuel, improves the function of engines and exhaust treatment systems to reduce noxious engine emissions and improve fuel economy.

NxtGen has blended mechanical and chemical engineering in our syngas generator technology and specific system applications that use it. Our initial application is for the diesel engine retrofit market. We will assist existing diesel engine powered fleets to meet new stringent emission regulations such as those in California. NxtGen is also working with original equipment manufacturers (OEMs) for design-in of our syngas technology into future diesel engine and vehicle models.

NxtGen has proven the durability and benefits of our syngas technology through daily lab and road testing since mid-2006. We are currently in the EPA certification process for our Syngas Generator product, a required final step to demonstrate commercialization readiness. NxtGen recently signed an agreement with Emission Control Systems (ECS) for sales channel distribution and systems integration in specific segments of the vehicle retrofit market. Additional market sectors and sales channels are in planning stages for the near future.

Our early marketing efforts have concentrated on North America, but there are substantial global opportunities. Diesel engines in Europe, Japan and Asia also face emission control legislation. NxtGen has two strategic Japanese investors – trading company Itochu Corporation and an automotive manufacturer – that have been helpful in preparing the company for a successful launch in the Japanese OEM market.

While NxtGen is first targeting the growing global diesel engine-emissions after-treatment market, syngas technology also has application in combustion technologies and further potential application in gasoline, natural gas and biodiesel engines. Our company's solid patent portfolio protects the Syngas Generator product as well as related components and system applications.

Company Facts and Statistics

Year founded:	2004
Number of employees:	30
Product:	Syngas systems
Website:	www.nxtgen.com
Working Opportunity Fund's initial investment:	March 2006
Amount invested to November 30, 2009:	\$4.9 million

NxtGen is pursuing a strategy of manageable growth from both a financial and operational perspective with a progressive evolution to maximize the potential for our syngas technology to reduce harmful fuel emissions around the world. This is achieved through our products as well as the consideration of licensing our technology in segments outside our initial focus.

The Working Opportunity Fund, managed by GrowthWorks*, has been a supportive investor since our early financing rounds and the relationship continues to be very beneficial. NxtGen appreciates their ongoing advice and involvement of Rolf Dekleer, VP Investments, GrowthWorks Capital, on our Board.

Jeremy W. Holt, President & CEO

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