

## For Immediate Release

### **U.S. Environmental Protection Agency Places Actifilter SG on the National Clean Diesel Campaign's Emerging Technology List**

THORNHILL, ONTARIO and WIXOM, Mich. July 19, 2010 – Engine Control Systems Limited (ECS), a Catalytic Solutions, Inc. company (AIM:CTS and CTSU), and NxtGen Emission Controls Inc. announced today that the U.S. Environmental Protection Agency (EPA) has placed the Actifilter SG, an ECS diesel particulate filter (DPF) emissions reduction system that utilizes NxtGen's patented syngas generator and Catalytic Solutions' catalyst technology, on the National Clean Diesel's Emerging Technology List.

Actifilter SG is an actively regenerating DPF system designed to reduce particulate matter (PM) for exhaust gas recirculation (EGR) and non-EGR equipped 4-stroke highway diesel engines manufactured from 1994 through 2006. Unlike other active DPF's which employ fuel burners or diesel fuel injection, the Actifilter SG incorporates a syngas generator. The syngas generator delivers a stream of syngas (hydrogen and carbon monoxide), which readily oxidizes over an oxidation catalyst to create the heat necessary to reliably keep the DPF clean and working efficiently. The syngas generator performs seamlessly without operator intervention or vehicle use interruptions. The Actifilter SG system is designed for intra-city medium duty trucks and buses where the passive regeneration of a DPF is impeded by low exhaust temperatures caused by low vehicle speeds and frequent stops. The system is projected to reduce PM emissions by 90% and hydrocarbon and carbon monoxide emissions by 80%.

*"We are extremely pleased to receive this U.S. EPA Emerging Technologies product listing, which is further recognition of our leadership within the heavy-duty diesel retrofit market,"* said Don Andrews, president of ECS. *"The combined expertise of our Catalyst and Heavy-Duty Diesel Systems groups and NxtGen Emission Controls has resulted in this innovative new solution for diesel emission reduction. We are delighted to offer our customers a broad and increasing range of EPA and CARB verified and approved retrofit products qualified under various funding programs."*

*"NxtGen is pleased to be working towards EPA verification with ECS on this application of our syngas technology. The Actifilter SG is now available to support low temperature and duty cycle variable applications with a reliable anti-clogging DPF system that maintains low exhaust back pressure,"* said Jeremy Holt, CEO of NxtGen. *"We look forward to expanded fleet deployment and the technology's positive impact on fleet operations and the environment."*

The primary goal of the Emerging Technologies program is to support early deployment of new technologies that will reduce diesel emissions from existing fleets. Under this competitive grant program, the EPA provides funding assistance to eligible entities for the deployment of diesel emission reduction technologies, which are in the process of being verified by the EPA.

The program also provides an opportunity for manufacturers to obtain feedback from fleet partners on their technology while it is in-use as a precursor to EPA verification.

Actifilter SG fleet trials on urban buses and delivery trucks have currently accumulated more than 5,000 hours of combined service already which have included demonstration vehicles operating successfully through a Canadian winter. Funds for these fleet trials and a portion of the Actifilter SG development were provided by Cenovus Energy's Environmental Opportunity Fund and Sustainable Development Technology Canada (STDC).

For more information, please review the Emerging Technology List on the U.S. EPA website at: <http://www.epa.gov/cleandiesel/prgemerglist.htm>.

### **About Engine Control Systems Limited**

Engine Control Systems Limited is a leading environmental applications engineering and manufacturer producing a full range of EPA and CARB verified exhaust emissions control solutions. Globally, Engine Control Systems Limited offers a full range of products for OEM, occupational health driven and verified retrofit markets that reduce exhaust emissions created by on-road and off-road diesel engines. Engine Control Systems Limited has facilities in Thornhill Ontario, Reno Nevada, and Malmo Sweden as well as distributors throughout the world. Engine Control Systems Limited products help to ensure air quality, productivity, and employee health and safety. Engine Control Systems Limited is a Catalytic Solutions, Inc. company. For information on Engine Control Systems, please visit [www.enginecontrolsystems.com](http://www.enginecontrolsystems.com).

### **About NxtGen Emission Controls:**

NxtGen is a cleantech company that develops and manufactures syngas systems. Syngas is a hydrogen-rich gas (H<sub>2</sub> and CO) which is beneficial in the process of exhaust emissions aftertreatment optimization and gasoline engine combustion enhancement. NxtGen uses syngas to aid systems that remove diesel particulate matter and nitrogen oxide from engine exhaust. This reduces environmental impact and improves fuel economy across most on-road and off-road vehicle applications. For more information on NxtGen, please visit [www.nxtgen.com](http://www.nxtgen.com).

### **Contacts:**

Kavitha Moorthy  
Engine Control Systems  
(905)762-5185  
[kamy@enginecontrolsystems.com](mailto:kamy@enginecontrolsystems.com)

Gloria Wandyez  
NxtGen Emission Controls  
(248) 669-4900 ext. 315  
[gloria.wandyez@nxtgen.com](mailto:gloria.wandyez@nxtgen.com)