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Chinas Auto Industry Looks To Adopt New Emissions Technology

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Extreme Energy Solutions Inc., A New Jersey Based Environmental Firm Begins Research With Several Chinese Engine And Vehicle Manufacturers To Help Address Their Air Pollution Concerns.

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Various Chinese auto manufacturers show serious interest in a new emissions technology offered by [Extreme Energy Solutions](#), a New Jersey based technology company.

Extreme's flagship product, the Smart Emissions Reducer is a relatively new emissions reduction and combustion enhancing technology that is gaining popularity quickly. It has been proven in various reputable laboratories and testing facilities such as [Roush Industries](#), [Nova Analytical Systems, Inc.](#), and the [Changzhou Keshi Group](#) to reduce emissions substantially and even provide a fuel economy increase as a beneficial side effect.

The Changzhou Keshi Group, a manufacturer of specialty vehicles for the mining industry joined the ranks of some of their industry colleagues including the BAIC Motor Corporation, FAW Jiefang Qingdao Automobile Company and the Weichai Power Company in issuing Letters of Interest/Letters of Intent to Extreme Energy Solutions Inc. Chinas severe pollution concerns are calling for the implementation of new emissions reduction technology such as the [Smart Emissions Reducer](#) (SER).

This rising new green technology will be put to the test in some of the harshest air pollution conditions in the world. With outdoor visibility very low, and many people even wearing masks in public due to air pollution, China is the perfect place to implement such technology.

The applications of the SER are virtually endless. For all internal combustion engines of any fuel type, the SER can help improve the combustion process and reduce the amount of smog and greenhouse gasses being released into populated areas. With government policies aimed to address air pollution, specifically in the transportation sector, engine and vehicle manufactures are in a dire need of a solution to meet new regulatory benchmarks.

To meet this demand, representatives from these Chinese corporations searched far and wide for solutions, only to find themselves in the small town of Ogdensburg, New Jersey. Extreme Energy Solutions, a manufacturer, distributor, and servicer of emissions reduction technology welcomed the delegates with an eagerness to help them solve their pollution concerns.

The first to meet with [Samuel K. Burlum](#), CEO/President of Extreme Energy Solutions, and his team was the Weichai Power Company. Weichai is a publicly traded engine manufacturer of heavy duty diesel power plants that also produces vehicle models such as buses, semi trucks, and service trucks. Weichai visited the New Jersey company in early 2013, and decided to explore further possibilities of partnering with the up and coming green technology firm.

We were impressed with the Smart Emissions Reducer, and the technology behind it, noted Tim Chang, Deputy Director of Engine Research and Development, If the products test meets our expectations, we would like to discuss with you a business partnership that would be mutually beneficial to both of us. Currently Weichai and Extreme Energy Solutions are engaged in on going testing to determine the validity of the SER in Weichais applications.

The next manufacturer to investigate the Smart Emissions Reducer was the Keshi Group, a mining industry equipment manufacturer that is located in Changzhou, Jiangsu Province. The Keshi Group initially partnered with Extreme in November 2013 to test the validity of SER. Mr. Jiang Hanjun, CEO and President

of Changzhou Keshi Group, had an opportunity to travel to Ogdensburg, New Jersey with his team to investigate this solution that lowers emissions while increasing fuel efficiency. Keshi is interested in applying this new clean technology to their explosion proof underground mining vehicles.

After meeting with Extreme Energy Solutions' CEO and President, [Samuel Burlum](#), and the rest of the EES team, Mr. Jiang committed to partnering with Extreme in testing their flagship product, the Smart Emissions Reducer.

We are very impressed with the product (Smart Emissions Reducer) and are very interested in cooperating with your company, commented Mr. Jiang.

The Keshi Group recently concluded testing of the Smart Emissions Reducer this past summer of 2014. Testing results concluded that the Smart Emissions Reducer performed as advertised under controlled laboratory conditions. Preliminary tests would show the SER could provide up to a 5% fuel economy increase on a brand new 5.9 liter Cummings diesel powered engine, and a significant reduction in emissions, more specifically a reduction in particulate matter (PM) of up to 49% and carbon monoxide (CO) of up to 63%.

After further testing conducted by Keshi, the Smart Emissions Reducer proved to deliver consistent emissions reductions between 20% to 50% in all phases of the engines operations, while also still providing a fuel economy benefit of no lower than 2% and 3%. The Keshi Groups testing data was reviewed by [Dr. Carley Corrado, Ph.D.](#), with the Department of Physics at the University of California, Santa Cruz. Dr. Corrado provided commentary on the Statistical Margin of Error within the test report, evaluating the reduction of emissions and improved fuel efficiency by adding the Smart Emissions Reducer onto the new Cummings diesel engine.

The total emissions averaged over the 6 modes tested in the categories of CO, K/M, and N% were decreased by 22%, 25% and 18% respectively, noted Dr. Carrado, There was a decrease in Brake Specific Fuel Consumption (BSFC) of 2.3%, which is equivalent to the corresponding improvement of fuel efficiency.

Conservative projections of the fuel economy savings resulting from the addition of the SER estimates an ROI of 1.2 years and a total of 10,000 liters (2641 gallons) of fuel over the expected lifespan of the SER, continued Corrado.

Mr. Jiang and Keshi offered to enter into the next phase of the Extreme Energy Solutions Smart Emissions Reducer evaluation program, and agreed to purchase a small rolling production of the SER devices and have them installed in the field.

It was a real pleasure to work side by side with Keshis Technicians, Burlum contributed, they really appreciated the partnership and they clearly demonstrated that they could quickly embrace the installation process. Keshi and EES technicians worked side by side to install the Smart Emissions Reducers over a two day period at a mine in Inner Mongolia on newly developed Keshi vehicles.

BAIC and FAW are still in talks with Extreme and also look to move forward with the evaluation process. Both BAIC and FAW have invited Extreme back to China to get their cooperative Smart Emissions Reducer programs underway.

The Smart Emissions Reducer, (initially branded as the Intercharger) was first introduced by Extreme Energy Solutions in 2010 to the taxi and delivery vehicle market. It was soon approved for use by the [New York City Taxi and Limo Commission](#). Then it was later tested by [Roush Industries](#) on gasoline powered vehicles. Tests in their lab demonstrated the SER could deliver up to a 7.5% increase in fuel efficiency and up to 65% reduction in emissions.

To learn more about Extreme Energy Solutions, and the Smart Emissions Reducer, visit <http://www.ExtremeEnergySolutions.net> or call them toll free at 1-800-EES-TEAM, or locally at 973-209-3450.

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