



FOR IMMEDIATE RELEASE

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Protection Engineering Consultants Chooses DEM Solutions EDEM Software to Model Alternative Runway Arresting Beds

Lebanon, NH (USA), August 18, 2008 -- DEM Solutions, world leader in discrete element modeling (DEM) software and services is pleased to announce that Protection Engineering Consultants, of Spring Branch, Texas, has chosen to add DEM Solutions' EDEM software to an already impressive arsenal of innovative software solutions used in their multi-hazard assessment and protective design consulting work. Protection Engineering Consultants will utilize the EDEM modeling software in a current project aimed at developing new civil aircraft arresting systems for safely decelerating an aircraft that overruns a runway during landing or take off.

DEM Solutions' EDEM software package will provide a way to model, test, and evaluate promising alternative granular materials and design options for the arresting systems by modeling the action of aircraft tires rolling through simulated aggregate arresting beds. EDEM offers a virtual representation of aggregate dynamics that would be very computationally expensive to achieve with a finite element code. The ability to directly input aggregate material properties into the various model scenarios will also reduce time and costs.

"We have been very impressed with the short model set-up time that EDEM offers," commented Matthew Barsotti, of Protection Engineering Consultants. "The all-in-one interface makes pre- and post- processing a seamless process and allows the flexibility to change parameters in the middle of a simulation."

Protection Engineering Consultants partners with government agencies, architectural and construction firms, and a variety of industrial and commercial clients to provide research, design and consulting services to enhance the physical protection of people, systems and the built environment. EDEM software may eventually be incorporated into a variety of projects involving assessment of, and protective design for, ballistic and vehicular impact attacks and accidents.

About DEM Solutions

DEM Solutions partners with their customers to improve their products and processes by simulating and analyzing operations at the particle scale. First released in 2005, EDEM software is now used in the design and analysis of particulate handling, processing, and manufacturing operations in almost every industry sector and engineering discipline.

EDEM provides companies with a tool to substantially reduce the number of physical prototypes and tests required to get a product to market or a process on-stream. It is used to help troubleshoot difficult particulate processes and, because it is physics based, it can greatly improve understanding of system fundamentals leading to better product and process design and innovation.

DEM Solutions' corporate headquarters are located in Edinburgh, Scotland with offices in Lebanon, New Hampshire, Frankfurt, Germany and Singapore with Distributor representation worldwide. For more information visit: <http://www.dem-solutions.com>.

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For additional information about Protection Engineering Consultants, please visit

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