Swedish Biomimetics 3000® AB

A V²IO® Innovation Accelerator

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The Swedish Energy Agency Awards Swedish Biomimetics 3000® and The Faculty of Engineering at Lund University SEK 6.8 million for Diesel Injector Development inspired by the Bombardier Beetle´s defence mechanism.

Swedish Biomimetics 3000® AB and the Combustion Engine Division of the Faculty of Engineering at Lund University (LTH) have been awarded a Grant of SEK 6.8 million by the Swedish Energy Agency. The award is for the execution of a project development of a diesel injector with volumetric shear and high-frequency ejection. The project is conducted within the framework of the program " Fordonsstrategisk Forskning och Innovation" (FFI).

The multidisciplinary project development is focused upon the µMist® platform technology. This breakthrough technology utilises a radically different mechanism for producing highly uniform, tunable fine droplets, inspired by the Bombardier Beetles defensive spray. The technology is also being developed in collaboration with market leading industrial partners for applications within the automotive, personal care, consumer, food, drug delivery, and fire protection industries.

Commenting on the award, Dr. Andrew Copestake, Chief Executive Officer of Swedish Biomimetics 3000® said, "This is a tremendous achievement for our organisation and for our collaboration with Lund University, a world leading research institution. We are delighted to be partnering with the Combustion Engine Division of LTH on this exciting programme which will further progress development of our µMist® Fuel Injection system, which is already demonstrating significant advantages over existing techniques in gasoline injection.

"We are very excited to be part of this project that has the potential to revolutionize fuel injection in diesel engines", says Per Tunestål, Professor at the Combustion Engine Division of LTH.

About Swedish Biomimetics 3000®

Swedish Biomimetics 3000® AB was founded 2004 by the Swedish entrepreneur Lars-Uno Larsson. The objective is to fund, and through its V²IO® innovation accelerating model, foster translational research and development of Biomimetics Inspired concepts until they are considered commercial candidates. Swedish Biomimetics 3000® with its corporate office in Stockholm, Sweden, has virtual offices at Medical Village in Lund, in Japan, USA, Australia and a fully owned research/development and commercial subsidiary, Swedish Biomimetics 3000® Ltd at Oxford Science Park, UK. http://www.swedishbiomimetics3000.com

About Lund University and The Faculty of Engineering

Lund University is Sweden`s strongest comprehensive research University and in recent years has been awarded more research funding than any other Swedish full-scale University. The Faculty of Engineering (LTH) is one of the eight faculties at Lund University. LTH is Sweden's third largest institute of technology and the third of its kind in Sweden. http://www.lth.se/english/

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