

## Swedish Biomimetics 3000® AB

A V<sup>2</sup>IO® Innovation Accelerator

**Press- Release**

10th June 2013

### **Cosworth and Swedish Biomimetics 3000® announce technical partnership to advance fuel injection systems inspired by the bombardier beetle's defence mechanism.**

*Initiative will combine SB3000's innovative fuel injection technologies with Cosworth's high performance combustion engine development and validation capabilities.*

Cosworth and Swedish Biomimetics 3000® (SB3000) have today announced a technical partnership to advance the development of a new generation of fuel injection systems.

Both companies will share capabilities to develop and exploit the µMist® injector technology in a range of Cosworth's target markets including automotive, aerospace and defence. Through the partnership, Cosworth will gain exclusive access to SB3000's µMist® injector technology for the unmanned systems industry where it already offers market-leading, lightweight, heavy fuel engines.

The µMist® injector technology which is inspired by the bombardier beetle has multiple potential applications, within a wide range of industries – all of which have a demonstrable need for technically advanced, low carbon impact and more environmentally friendly spray systems. SB3000 has a worldwide exclusive licensing agreement with Leeds University for the µMist® platform technology. The research and development of the technology was initially supported by SB3000, the EPSRC and the Carbon Connection Foundation in the UK. Most recently SB3000 and the Combustion Engine Division of the Faculty of Engineering at Lund University was awarded 6.8 mill SEK by the Swedish Energy Agency (FFI) for the development of an innovative diesel injector system with volumetric shear and high-frequency ejection.

Cosworth and SB3000 look forward to collaborating to develop these applications and market opportunities

**Dr. Andrew Copestake, Chief Executive of Swedish Biomimetics 3000® said:**

"We are delighted to be working with Cosworth to introduce our µMist® Platform technology into new markets."

**Dr. Pio Szyjanowicz, Head of Marketing for Cosworth Group said:**

“Both companies share a common approach to creating innovative solutions to complex problems. The opportunities for the partnership look exciting and we can see the potential in the approach that Swedish Biomimetics 3000® are taking.”

For more information, please contact the Cosworth Communications Office:

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**About Swedish Biomimetics3000®**

Swedish Biomimetics 3000® was founded 2004 by the Swedish entrepreneur Lars Uno Larsson. The mission of the company is to fund, and through its V<sup>2</sup>IO® innovation accelerating model, foster research and development of biomimetically inspired concepts until they are considered commercial candidates. Swedish Biomimetics 3000® and Leeds University received the 2010 THES Award for “Outstanding Contribution to Innovation & Technology.” The company has its corporate office in Stockholm, with virtual offices in Lund, Tokyo, Seattle and Sydney and a fully owned research, development and commercialization subsidiary, Swedish Biomimetics 3000® LTD, at Oxford Science Park in UK. Dr Andrew J Copestake has been CEO of the group since joining the Company in Dec 2010.

For more information, please contact: Chief Executive Officer Dr. Andrew J Copestake,  
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**About Cosworth Group**

Cosworth Group was founded in 1958. With headquarters in Northampton, UK, the company employs 350 staff across Europe and the USA. The group provides high performance technologies to a diverse range of global industries including aerospace & defence, automotive and sport. Cosworth has many world-renowned customers including Aston Martin Lagonda, Rolls Royce, the UK Ministry of Defence and the United States Navy, and develops high performance electronics and engines for Formula One teams. The Cosworth Group leverages its unique combination of advanced technologies, engineering expertise and globally recognized brand to deliver performance solutions.

**Cosworth Group** can be found at [www.cosworth.com](http://www.cosworth.com)