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FOR IMMEDIATE RELEASE

## RotoSub and Noctua announce partnership for PC fans with integrated Active Noise Cancellation

**Linköping / Vienna, May 29th 2012 - Noise reduction specialist RotoSub and renowned quiet cooling fan manufacturer Noctua today announced a strategic partnership agreement for the development and commercialisation of PC fans with integrated Active Noise Cancellation (ANC). A first prototype of a Noctua fan with integrated RotoSub ANC technology will be shown at Computex Taipei next week.**

Active Noise Cancellation (also referred to as Active Noise Control or Active Noise Reduction, ANC) is the technique of using sound waves to reduce noise by means of an effect called phase cancellation or destructive interference. Lars Strömbäck and Mårten Oretorp from RotoSub have invented a system (RotoSub Active Noise Control, R-ANC) that allows a fan to emit the sound signal that cancels out the original sound of the fan and thereby greatly reduces the overall noise emission.

*"Mårten Oretorp and Lars Strömbäck's invention is a milestone in the field of noise reduction", says Mag. Roland Mossig, Noctua CEO. "It has always been our goal to push the boundaries of acoustic optimisation and this partnership will allow us to reinforce our technology leadership in the field of premium grade PC cooling equipment."*

RotoSub's patented ANC technology makes it possible to achieve performance/noise ratios that cannot be accomplished by means of conventional aerodynamic or acoustic optimisations. The licensing agreement with RotoSub will allow Noctua to strengthen its position as a forerunner in quiet PC cooling by pioneering PC fans and CPU coolers with RotoSub ANC technology.

*"Noctua is widely recognised as a leader in quiet PC cooling, so they were the obvious candidate when we were looking for a partner to commercialise the technology we've invented", says Lars Strömbäck, RotoSub CEO. "The performance and quality of their fans is one of the best in this industry and their new NF-F12 fan with its FocusedFlow system is ideal for integrating our ANC technology."*

Introduced in late 2011, Noctua's NF-F12 FocusedFlow™ fan has quickly built up an excellent reputation for its superior quiet cooling performance and received more than 120 awards and recommendations from international hardware websites and magazines. The new joint development project with RotoSub pursues the ambitious target of providing another significant step up in performance.

*"Our performance target is to achieve about 80% more airflow and 120% higher static pressure at the same noise level as the original NF-F12", explains Mårten Oretorp, RotoSub CTO. "There is still a lot of fine-tuning to*

*be done, both in structural design and as far as the algorithms that compute the anti-noise signal are concerned, but we're working hard to achieve this goal within the next 12 to 18 months."*

A first working prototype of a Noctua NF-F12 fan with integrated RotoSub ANC technology will be exhibited at Computex Taipei (June 5th to 9th 2012) at Noctua's booth (Nangang Exhibition Hall 1F, booth J1312). Noctua and RotoSub kindly invite everyone to visit Noctua's booth to witness the world's first public demonstration of a PC fan with integrated Active Noise Cancellation.



*Prototype of a Noctua NF-F12 fan with integrated RotoSub ANC technology during acoustic tests in an anechoic chamber.*

#### Links

RotoSub - [www.rotosub.com](http://www.rotosub.com)

Noctua at Computex Taipei 2012 - [www.noctua.at/main.php?show=presse\\_archiv&step=2&news\\_id=74](http://www.noctua.at/main.php?show=presse_archiv&step=2&news_id=74)

#### **About RotoSub**

RotoSub develops innovative solutions for noise reduction based on the patented RotoSub technology. Founded in 2004, the company has developed its unique technology to a point where it is now ready for commercial use and can be applied to various fields such as aeronautics, energy management, industrial ventilation systems or electronics cooling. RotoSub's noise reduction systems give its partners a decisive advantage in competitive markets.

#### **About Noctua**

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 1000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are chosen by more than a hundred thousand satisfied customers around the globe.

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If you would like more information, or to schedule an interview, please contact Sylvia Strömbäck at +46 13 9913028 or email Sylvia at [PR@RotoSub.com](mailto:PR@RotoSub.com)