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## **RF Engines of the UK and Acqiris of Switzerland announce high speed digitizer design and processing cores**

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RF Engines Limited (RFEL), the UK-based signal processing design specialist, and Acqiris of Geneva, Switzerland, the specialist in high-speed data converters, have announced details of a new high speed digitizer design and processing core.

RFEL is supplying a complete system-on-chip design for one of Acqiris's new high-speed digitizer cPCI card. This new card carries a large on-board Virtex II PRO70 FPGA to hold the complex real-time processing solutions from RFEL. In this first customer application, a complex pulse frequency measurement core will be provided. However, the processing power available on the card will allow applications that require large FFT algorithms of up to 32K points, running in real time at the full input rate provided by the card.

John Summers, RFEL's VP of Sales and Business Development, commented, "We are delighted to be working with Acqiris who have a tremendous record for producing world class data acquisition and processing systems. This work is an excellent blend of RFEL's skills in high performance channelisation designs delivered to a relatively short timescale, and the instrumentation design skills of Acqiris, where very high speed data capture and analysis is required."



Viktor Hungerbuehler, Acqiris' VP of Engineering, stated, "This is an important project for a key customer application, demanding a very high performance digitizer solution with a fairly tight delivery programme. We are very confident that this collaboration will work well, and this relationship with RFEL strengthens even more our partnership programme with key technology suppliers around the world."

### **RF Engines Limited**

RF Engines Limited (RFEL) is a UK based signal processing specialist, providing high specification signal processing cores, system on chip designs, and FPGA based board solutions for applications in the defence, communications and instrumentation markets. These applications include base stations, wireless and wireline broadband communications systems, satellite communications systems, test and measurement instrumentation, as well as defence, signal intelligence and surveillance systems.

More specifically, RFEL is a solutions provider for projects requiring complex front end, real time, wide and narrow band, flexible channelisation. The company provides a range of standard cores

covering multiple FFT, polyphase DFT and proprietary PFT techniques, as well as system design services for more specialist applications.

For further information, please see the website at [www.rfel.com](http://www.rfel.com) or contact RF Engines at Innovation Centre, St Cross Business Park, Newport, Isle of Wight, PO30 5WB, Great Britain. Tel +44 (0) 1983 550330. E-mail [info@rfel.com](mailto:info@rfel.com).

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## **ACQIRIS**

Headquartered in Geneva, Switzerland, industry leader Acqiris designs and manufactures high-speed data acquisition and analysis products for the electronics test and measurement, physics and ATE markets. Current products include single and multi-channel digitizers with GS/s performance in the popular PCI, CompactPCI® and PXI platforms. Further company details, including worldwide sales and service locations, are available from its website at [www.acqiris.com](http://www.acqiris.com).