



RF Engines Ltd,
Innovation Centre
St Cross Business Park
Newport
Isle of Wight
PO30 5WB

Tel +44 (0)1983 550330
Fax +44 (0)1983 550340
E-Mail Info@rfel.com

Thales contract RF Engines for wideband signal processing architectures

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Thales Defence have commissioned RF Engines Limited (RFEL) to undertake a study and system modelling contract focussing on advanced digital signal processing techniques. The programme will include RFEL's patented **Pipelined Frequency Transform™** (PFT) and other advanced FPGA-based signal processing architectures.

The initial phase of the contract is to study how the unique architectures developed by RFEL can be fully utilised to meet the demanding requirements of Thales' next generation of defence related products. The second phase of the contract is to provide system models for the generation of high specification FPGA designs. Ultimately a hardware demonstrator platform will be produced for prototype use.

A Thales spokesperson commented, "Thales is committed to sourcing the latest technology wherever it may be found, in order to provide its customers with the most advanced and cost effective systems. The study will enable Thales to select the best in class solutions for its next generation of defence electronic systems. RF Engines have some unique solutions to problems that will benefit our customers."

John Summers, RFEL's VP of Sales and Business Development, commented, "The contract with Thales in advanced signal processing applications is yet another verification of the work and specialist knowledge that we have built up over several years. Our strategy of providing a mix of consultancy, system design solutions and off-the-shelf IP cores has proved very successful. Having a focussed speciality in signal processing, coupled with extensive systems design experience, enables us to provide highly optimised and cost effective solutions for customers."

RF Engines

RF Engines Limited (RFEL) is a UK based designer, providing high specification signal processing cores and FPGA based board solutions in the defence, communications and instrumentation markets. These include base stations, wireless and wireline broadband communications systems, satellite communications systems, test and measurement instrumentation, as well as defence systems. More specifically it is a solutions provider for projects requiring complex front end, real time, wide and narrow band, flexible channelisation. RFEL provides a range of standard cores covering multiple FFT and unique PFT techniques, as well as system design services for specialist applications.

Further information on RFEL can be found at www.rfel.com, phoning on +44 (0) 1983 550326 or e-mail info@rfel.com.

Press information can be obtained from Nigel Robson of Vortex PR on +44 (0) 1481 233080 or email Nigel@vortexpr.com.

Further information on Thales can be obtained from Alastair Troup. Special Projects/Strategy on +44 (0)1749 682 342