



# Nutaq's PicoSDR Selected By FIT/CorteXlab For Large Cognitive Radio Testbed

QUÉBEC, QUÉBEC, CANADA, November 18, 2013 /EINPresswire.com/ -- Nutaq announced today that its [PicoSDR](#) software defined radio platform has been chosen by French Equipex FIT/CorteXlab for their large scale cognitive radio testbed developed by Inria at INSA-Lyon.

The goal of the testbed, which consists of dozens of radio nodes, is to help researchers around the world in deploying and testing cognitive radio protocols. These wireless protocols are viewed as a key enabler of the "internet of things", which aims to wirelessly connect tens of billions of devices by 2020.

"Nutaq's PicoSDR will enable CorteXlab users to prototype highly computational PHY layers such as wideband MIMO OFDM and to design cooperative transmission techniques in a multi-node real time environment with perfect interference control," said Jean-Marie Gorce, heading the CorteXlab project.

"Having Nutaq's PicoSDR platform chosen by CorteXlab to help build this massive cognitive radio testbed reaffirms our decision to create solutions that meet the needs of the cognitive radio community," said Martin Turgeon, Product Line Manager at Nutaq.

"The PicoSDR platform will not only allow researchers to improve wireless communication system performance, but will also allow the CorteXlab team to seamlessly upgrade the testbed to meet the technology evolution, in an easy, cost-effective manner."

For more details please visit <http://www.nutaq.com/en/news/nutaq-picosdr-selected-fitcortexlab-large-cognitive-radio-testbed>

## About the PicoSDR

Nutaq's PicoSDR is a MIMO enabled software defined radio platform that ships with a complete QAM64 OFDM reference design. Available in 2x2, 4x4, or 2x2 plus embedded configurations, it supports a model-based design development environment along with GNU Radio.

With an auto-calibrated, dynamic radio covering from 300 MHz to 3.8 GHz, the PicoSDR is the ideal development solution for the cognitive radio community.

## About FIT/CorteXlab

Developed by Inria at INSA-Lyon, the Cognitive Radio testbed CorteXlab is one of the testbeds of the FIT Equipex project. CorteXlab will integrate SDR nodes to offer a remotely-accessible development platform for distributed cognitive radio. A large set of heterogeneous SDR nodes (MIMO nodes, SISO nodes and low power nodes) together with low power sensor nodes will permit a full experimental evaluation from everywhere in the world.

## About Nutaq

For developers focused on signal processing in areas including Defense & Aerospace, Wireless Communications, Scientific, and Medical, Nutaq accelerates the design, testing & deployment of innovative ideas.

Our hardware solutions are designed to optimize programmability, processing power, flexibility & cost, while our model-based design and open source software environment mean projects are delivered with reduced development cycles and lower costs.

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