Radiocrafts
Embedded Wireless Solutions

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PRESS RELEASE

Radiocrafts and Innovative Technologies announce ZigBee®-based wireless system for parking lots

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Radiocrafts AS, a leading supplier of wireless RF modules for communication in the license-free frequency bands, and Innovative Technologies in Paris, France, announce the successful implementation of a novel ZigBee-based wireless system for parking lots. The intelligent parking lot system has been designed by Innovative Technologies based on the Radiocrafts RC2300 RF module using ZigBee technology.

Innovative Technologies is specialised in computer science and dynamic image analysis. Their expertise includes a wide range of services in security and safety technology. Innovative Technologies was created two years ago by three partners having a cumulative experience of more than 50 years in software and hardware architecture and development.

Radiocrafts offers the market's widest range of compact RF modules covering all license-free ISM bands including 433, 868 MHz and 2.45 GHz. They provide modules with integrated and very easy-to-use point-to-multipoint protocol (RC232 protocol), IEEE 802.15.4 modules (for ZigBee and 6LoWPAN), and special modules for AMR/sensor systems based on Wireless M-Bus.

The European urban population struggles on a daily basis with underground parking lots and related challenges. Innovative Technologies singled out this arena as a prime application area for automation. Already experts in RFID, Innovative Technologies recently expand their portfolio with ZigBee, a growing standard for wireless sensor monitoring and control.

The parking automation system is based on placing Vehicle Detection Modules (VDM) above the parking space. Each VDM can control up to 2 parking spaces. Displays are set up at the entrance of the car park and will indicate to the drivers the number of available parking spaces and the ones which are the closest. Data management software provides the operator with a graphic map of each parking level showing in real time free parking spaces. The system brings both operators and users of parking lots major benefits.

The system architecture is based on a low power compact ZigBee radio module, RC2300, provided by Radiocrafts, a pioneering supplier of ZigBee technology.

"It was clear from the start that the wireless was the way to go" said Mr Philippe Besnard, CEO of Innovative Technologies. "We wanted to provide our customers with a reliable standard based solution. Functionality, power consumption and overall cost of the monitoring system that we designed had to conform to these criteria". Radiocrafts RC2300 was selected among several other technologies. We are looking forward to building a long and prosperous collaboration with Radiocrafts."

"Radiocrafts is excited to work with Innovative Technologies, the leading supplier of parking lot monitoring systems. Their solution embedding our compact ZigBee module is the perfect combination to bring forward a state-of-the-art solution in the shortest possible time" said Peder Martin Evjen, Managing Director of Radiocrafts AS.

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For further information please contact:

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*About **Radiocrafts AS**: (www.radiocrafts.com)*

Radiocrafts is a leading RF module design and manufacturing company. Radiocrafts' standard RF modules provide compact, easy-to-use, low cost, low power and high performance RF solutions for a large number of wireless applications using license-free ISM bands. Radiocrafts also offers custom and application specific product development, supporting customers from initial project ideas to volume product delivery.

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*About **Innovative Technologies**: (www.innovative-technologies.fr)*

Innovative Technologies is specialised in computer science and especially in dynamic image analysis. Innovative Technologies was created two years ago by three partners having a cumulative experience of more than 50 years in software and hardware architecture and development. Our expertise allows us to present a wide range of delivery of services:
- Audit and consultancy in research and innovation
- Specific software engineering
- Carrying out of algorithms research and optimization of all kinds of problems (genetic algorithms, simulated annealing, …)
- Carrying out of algorithms and systems based on images analysis and signal processing
- Development of embedded firmware for industry and security.