



NEWS RELEASE

Essensium NV demonstrates the first experimental results of the LOST-technology to his core partners.

Leuven, Belgium, 19th December 2007 – *Essensium N.V. has revealed to his project partners the first experimental results of the LOST transceiver.*

After somewhat more than one year of development, Essensium has already proven the viability of the LOST-technology. All project partners and representatives of the funding authorities were invited to participate to this event. Experimental evidence now exists that the LOST-technology will enable the localization and tracking of wireless sensor devices with a sub-meter accuracy even in a varying environment. In an experimental set-up a wireless node could be located and traced in a room of about 10 by 20 meter with an accuracy better than 30cm. Invoking non-line-of-sight conditions by moving the node to another room only causes a slight degradation of the accuracy, which in any case remains better than 1 meter. The LOST-technology uses a dedicated transceiver and operates in the WiFi frequency range. Complete coexistence with WLAN networks is guaranteed which will be a benefit for the deployment of the LOST-technology in industrial environments.

This research work is being executed in close collaboration with the research institutes INTEC of the University of Ghent and ETRO of the University of Brussels and is supported by the IWT, Flemish Institute for the Promotion of Innovation through Science and Technology. Other aspects of the LOST-technology related to the optimization of the power consumption are conducted in cooperation with IMEC, and the IBCN research group of the IBBT.

About Essensium NV



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Essensium is a fabless semiconductor company located in Leuven, Belgium, that provides system-on-chip products and design services to original equipment manufacturers, design houses, and ASSP suppliers. Essensium was created as a spin-off of the nanotechnology research center IMEC in Leuven. Essensium's skills and technology focus on custom silicon for portable, wireless, and low power applications. In addition, Essensium is also working towards the development of standard products for wireless sensor networks and active RFID applications. For more information on Essensium, please visit <http://www.essensium.com>.

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