



NEWS RELEASE

Essensium NV demonstrates for the first time the complete capabilities of their LOST-technology.

Leuven, Belgium, 17th March 2008 – *Essensium N.V. has demonstrated for a large audience of experts and business partners the full capabilities of the LOST-technology.*

More than 30 invited people from industry and research centers witnessed today the first demonstration of the full capabilities of the LOST-technology. LOST, the acronym for LOfalization System for sensor Tracking, now available in the format of an experimental prototype set-up was used to prove that the indoor localization precision of typically 30cm is met under most conditions. Under worst case conditions including heavy non-line-of-sight, interferences or longer distances, the claimed guaranteed accuracy of 1 meter is kept. Degradation of these figures is not observed for ranges as long as 500 meter.

Thanks to the close collaboration with the research institutes INTEC of the University of Ghent and ETRO of the University of Brussels, Essensium is now capable of showing the performance of their patented ranging technology. Without the requirement for any calibration or fingerprinting, the sub-meter accuracy over the ranges up to 200 meter is achieved even under non-line-of-sight conditions. While the LOST is operating in the WiFi band it is conceived in the way that complete coexistence is achieved. Also strong interferers in the same frequency band, such as microwave equipment, are not blocking efficient ranging.

Essensium is now proceeding with the further industrialization of the LOST transceiver in order to achieve the adequate size and power consumption and to have a first version available that is suitable for applications that are not cost or maintenance critical. In the mean time further advanced research will be executed in order to bring down the size, the power



NEWS RELEASE

consumption and the cost that will make the device suitable for an important number of applications in the field of wireless sensor networks.

This research work is supported by the IWT Flemish Institute for the Promotion of Innovation through Science and Technology.

About Essensium NV

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>.

For further information please contact:

Edmond Janssens, Essensium NV

info@essensium.com

Tel. +32 16 286 500

www.essensium.com