PRESS RELEASE

Low-cost Exclusion Zone Solutions for Operator Safety
Expanding the *swarm* bee product family.

Berlin, February 23, 2016 – As part of its joint initiative with Decawave, a leader in ultra-wideband (UWB) Micro-Location semiconductors, to simplify how developers utilize UWB location-awareness nanotron Technologies, the leader in easy-to-use solutions for location-awareness announces the market launch of its new ***swarm* bee ER** location sensor today at Embedded World 2016 in Nuremberg, Germany. In the product name the suffix ER stands for **E**nhanced **R**esolution and signifies Micro-Location with UWB from Decawave achieving 10 cm location accuracy. The new product belongs to nanotron's family of *swarm* bee modules. All of them utilize the same common *swarm* API and target the growing market for autonomous smart items. Smart items combine wireless data communication capabilities with location-awareness and serve as a platform for sensors and actuators.

The new ***swarm* bee ER** module is going to serve applications for distance or location information between 0 and 20 Meter. It complements the existing ***swarm* bee LE** Chirp-based product that supports the range between 10 and 500 Meter. "Enhanced resolution of Ultra-Wideband Technology is perfectly suited for high accuracy in the close proximity range below 20 Meter." explains Thomas Foerste, Vice President Sales and Marketing at nanotron Technologies, adding "This accuracy is required for instance to create exclusion zones that ensure machine operator safety in mining and industrial environments."

Very precise location-awareness continues to become mission-critical for safety and productivity in industrial IoT markets.

Caption: Dr. Thomas Foerste, VP Sales and Marketing nanotron Technologies.

About the *swarm* product family

Nanotron's *swarm* product family consists of *swarm* bee modules and the *swarm* location service (SLS) software. *Swarm* bee modules are available with Chirp or UWB radio technology. Both versions are sharing the common *swarm* API. The *swarm* product family targets the growing market for autonomous smart items and cuts time to market for location-aware products by 12 months. Very precise low-cost location technology can now be used without the need for RF-design capabilities or expertise on low level device drivers. Developers focus on application design.

About nanotron Technologies

Today, nanotron's *embedded location platform* delivers location-awareness for safety and productivity solutions across industrial and consumer markets. The platform consists of chips, modules and software that enable precise real-time positioning and concurrent wireless communication. The ubiquitous proliferation of interoperable location platforms is creating the location-aware Internet of Things. More information on www.nanotron.com. Follow nanotron Technologies on LinkedIn.

About Decawave

Decawave is a fabless semiconductor company developing a family of integrated circuit compliant to the IEEE802.15.4a standard, which can identify the specific location of any object, person or thing at very competitive cost, very low power and with a required level of precision and reliability never achieved before (+/-10cm). In addition, the data communication capability of the chip (up to 6.8Mbps) makes it a perfect fit for IOT applications and other low-power wireless network applications. www.Decawave.com

Press Contact:

Thomas Foerste
T +49 30 399 954-0
Email t.foerste@nanotron.com