PRESS RELEASE

First *Swarm* Platform for Industrial Safety Applications

Nanotron Technologies launches revolutionary platform with *swarm* features.

Berlin, February 28, 2013 – Location awareness specialist, nanotron Technologies, has launched a new product to revolutionize industrial safety applications: the *swarm* platform. It consists of *swarm* radios controlled by a *swarm* application programming interface (API) as well as *swarm* toolkits enabling fast development and implementation of location-aware applications. *Swarm* is currently used for collision avoidance, secure access and virtual safety zones.

Swarm radios with their application-programming interface are optimized and tested low power 2.4 GHz Chirp Spread Spectrum radio modules. They can be directly deployed - there is no need for low level driver software. Nanotron CEO Dr. Jens Albers explains: "Our *swarm* platform significantly reduces overall development effort for new location-aware products thus reducing time to market." Nanotron CTO Rainer Hach adds: "The new nanotron product enables users to easily create their own location-aware applications. Much of the development risk has been eliminated, since users rely on proven radio hardware and the comprehensive application interface."

Nanotron's *swarm* product will help to solve several problems wherever distance monitoring and automated communication is crucial. In mining for instance, *swarm* can be used for collision avoidance: An alarm is generated if machines or people get too close. Nanotron's small low power *swarm* radios serve as the key element for these types of mobile solutions.

The new nanotron *swarm* platform relies on swarm intelligence: Individuals in a swarm know their position and communicate with one another thus moving around securely without interfering with each other. Implementing this idea, nanotron has developed its *swarm* platform. Besides communication, it incorporates location awareness, the ability to measure the distances between individuals in the swarm.

Caption: The nanotron *swarm* platform consists of *swarm* radios controlled by a *swarm* application programming interface (API) as well as *swarm* toolkits.

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About nanotron Technologies
Nanotron Technologies (www.nanotron.com) is a leading provider of wireless products that help to *protect* and *find* people, animals and valuable assets. They create highly accurate location information and energy-efficiently transmit data with a singlelow-cost chip. Nanotron's technology is patent-protected and follows ISO and IEEE standards for global asset tracking. Nanotron's solutions are used in a wide range of applications and industry verticals including child safety in public places, livestock monitoring & management, mine safety, virtual fencing and transit yard management. Nanotron's products are available on two distinct platforms: *protect* and *find*. The *protect* platform monitors proximity. The *find* platform locates people, animals and valuable assets. Both platforms create reliable and efficient visibility. Nanotron supports its customers and channel partners to adapt the *protect* and *find* products to the needs of their vertical markets. (www.nanotron.com)

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