

## PRESS RELEASE

### **Nanotron Technologies granted patent protection of significant wireless IP**

**Innovative wireless solution improves ranging accuracy through antenna diversity.**

**Berlin, May 14, 2013.** – RTLS specialist nanotron Technologies today announces that the company has been granted another patent, which is relevant to the wireless industry including its silicon vendors: WO 2010/069959 A1. The new solution, developed by nanotron, deploys multiple antennas in order to reduce the effects of multipath. Thus, the ranging accuracy could be significantly improved. Nanotron's new patented solution enables applications with changing antenna positions. It is especially important for devices carried by consumers in their pocket or on their wrist.

Nanotron CTO Rainer Hach comments: "Our patented IP covers the need for high ranging performance. By reducing the effects of multipath, our solution can be deployed in precise zoning required in safety systems – as for collision avoidance. It is a significant invention for the wireless industry." And he adds: "Nanotron Technologies has pioneered ranging between low cost wireless sensor devices."

The new patent granted to nanotron Technologies protects the utilization of multiple antennas for reducing effects of multipath - thus improving ranging accuracy. Beyond ranging, the solution is applicable to real time location solutions (RTLS). In addition to patents applicable to ranging in general, nanotron has developed an extremely robust method for very fast ranging and communication called Chirp Spread Spectrum (CSS).

Belonging to the first movers in the RTLS industry, nanotron is holding a leading position and is actively involved in creating awareness for RTLS in global markets. Recently, nanotron CEO Dr. Jens Albers has been elected to the AIM-D executive team. He assumes responsibility for RTLS.



Caption: nanotron Technologies CTO Rainer Hach

### **About nanotron**

Nanotron Technologies ([www.nanotron.com](http://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 single low-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.

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