

PRESS RELEASE

nanotron Technologies *swarm* Platform Set for Further Expansion

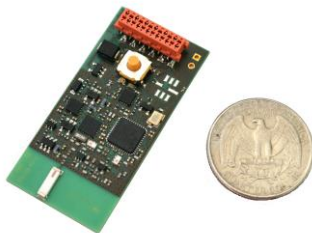
nanotron Technologies expands *swarm* product family for usage in mine safety, robotics, smart machines and workflow management.

Berlin, September 19, 2013 – The leading RTLS developer, nanotron Technologies, has expanded its *swarm* product family, providing additional *swarm* radio modules optimized for new application areas. Mini and maxi modules have been developed to best meet specific industry requirements. *swarm* radio mini, nanotron's smallest *swarm* volume product, has been designed for portable, small-size, low-profile and high-volume applications. *swarm* radio maxi offers higher ranging precision for mobile volume applications and addresses precision portable applications. In addition to its proven functionality in mine safety - collision avoidance, secure access and virtual safety zones - *swarm* is now set to address and target further application areas in robotics, smart machines and workflow management.

Nanotron CEO Dr. Jens Albers comments: "It is the first time, that customers are able to prototype their location-aware applications within only a few weeks. Within only six months, products can be ready for production - this reduces product development costs and minimizes risks. With the addition of our new *swarm* modules, customers have enhanced options to address the new applications appearing in this rapidly growing market."

The different *swarm* radio types are interoperable over the air-interface. The application-programming interface (API) has been expanded and harmonized to enable all *swarm* radios to interact seamlessly. The common API platform across all *swarm* family radios allows easy IP re-use. The flexible and expandable platform supports many different applications and network topologies. The high-level API provides direct implementation of a system-level design approach, thus enabling rapid results and a faster go-to-market strategy.

Nanotron's *swarm* products help to solve several problems wherever distance monitoring and automated communication is crucial. With the extended product portfolio, further market segments open-up in addition to industrial safety. Now, *swarm* can be also deployed for emerging robotic, smart machine and workflow management applications.



Caption: The new *swarm* radio mini (50 x 24 x 6 mm³) with serial host interface



Caption: The *swarm* bug: Signature graphic for nanotron's *swarm* product family.

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. Highly accurate location information and energy-efficient data communication is delivered over a single wireless link in real-time. Nanotron's technology is patent-protected, follows ISO and IEEE standards for global asset tracking and includes the essential IP for precise and robust ranging. Nanotron's solution platforms are used in a wide range of applications including collision avoidance, livestock management and mine safety. Nanotron's portfolio of modules and modular system-level products is available on two distinct solution platforms: *protect* and *find*. The *protect* platform monitors proximity. The *find* platform identifies and locates people, animals and valuable assets. Nanotron supports its customers and partners to utilize *protect* and *find* products for the needs of their vertical markets. For more information, see www.nanotron.com.

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