PRESS RELEASE

Location-aware wireless sensor solutions for I4.0

Taking efficiency and flexibility of production processes to the next level

Berlin, October 10, 2015 – With their new FreiForm initiative Schaeffler Technologies, microTEC, Lust Hybrid, nanotron Technologies, GED, AMIC, Fraunhofer IZM and TU Berlin are targeting Industrie 4.0 (I4.0) efficiency and flexibility gains.

FreiForm is a modular set of hardware and software tools that helps to create small, arbitrarily shaped, autonomous sensor systems for production facilities and workpiece integration.

Harsh industry environments with elevated temperatures, severe mechanical impacts, and a multitude of substances are posing several challenges to both the mechanical and electrical robustness of wireless sensors. To validate FreiForm the partners create and implement a sensor system for a workpiece driven manufacturing process. Candidate products include axels, shafts or bearings.

“Nanotron is proud to work with Schaeffler Technologies, microTEC and a team of highly skilled partners to prove its technology-agnostic approach to location-aware wireless sensor networks under the real conditions of a high volume production process.” explains Dr. Jens Albers, CEO of nanotron Technologies. “We all share the vision of Industrie 4.0 that will take efficiency and flexibility of production processes to the next level.”

The new technology platform enables easy to manufacture and easy to integrate, intelligent wireless location-aware sensors of any shape or form. These sensors help to control production processes and thus form the basis that will make the I4.0 vision a reality.

Caption: Partners in FreiForm: Schaeffler Technologies, microTEC, Lust Hybrid, nanotron Technologies, GED, AMIC, Fraunhofer IZM and TU Berlin

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.

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