

## PRESS RELEASE

# Building Enhanced Location-Awareness For the Internet of Things

## Intelligent Business Results Through Location Data Analytics

**Berlin (Germany), February 2, 2018 – Location-awareness expert nanotron Technologies GmbH, subsidiary of Sensera Limited (ASX: SE1), a leading designer and manufacturer of mission-critical sensor-based solutions for the growing Internet of Things (IoT) market, announces today its focus on providing enhanced Location Awareness for the Internet of Things through Location Data Analytics.**

Nanotron's scalable and modular *location-aware IoT platform* supports various RF technologies such as Chirp Spread Spectrum (Chirp) and Ultra-Wide Band (UWB) with Time-of-Flight (TOF) Ranging and Time-Difference-of-Arrival (TDOA) location capabilities.

As part of the Sensera Group, nanotron is now targeting the integration of its generic location-awareness solutions across industrial and consumer verticals with a new Location Data Analytics software suit.

"Location Analytics fills the gap between location data and the individual business application," says Dr. Jens Albers, CEO of nanotron and continues: "Our customers benefit from having the freedom to pick the best-suited wireless location technology, add sensors, and combine it with a Location Data Analytics based decision system that solves their safety and productivity related business challenges." Location Analytics leverages precise position data augmented by application context information to gain deep insight into complex business processes. Assessment, optimization as well as process restructuring will be possible with nanotron's complete solutions based on its Location-Aware IoT Platform with Location Analytics.

Generic platform solutions still require vertical-specific aspects for solving a particular business problem. In Livestock Health for instance ear tag batteries are required to last more than 6 years to avoid switching tags during the lifetime of a dairy cow. Tags and location infrastructure need to survive in extremely harsh and aggressive environments. With the appropriate equipment farm animals can be continuously tracked. Correlating individual movement pattern with the health condition of a specific animal provides health status information in a seamless and unobtrusive way. The result: Higher quality milk and meat at lower cost – hence increased productivity. Sophisticated real-time tracking technology for location-awareness and location data analytics create a quantum leap in terms of business outcomes for farms. Recently nanotron and its Livestock Health business partner Smartbow of Austria [announced](#) an exclusive Supply Agreement for Location Chips also known as Integration Location Controller.

Precise position data augmented by context information are be the basis for automatically detecting events and business scenarios. In Mining ventilation is a significant cost contributor for running underground operations. Knowing where mine workers are and knowing the positions of vehicles and heavy machinery allows for Ventilation on Demand (VoD) – a smart way to significantly decreasing operational expenses (OPEX) and making mining operations less resource intensive.

In order to obtain real-time results, more of the data intelligence is moving to the edge. Enhanced Location Analytics at the source of the data will drive useful adoption of the Internet

of Things (IoT). IoT requires Location Running. This means reliably offering improved safety and increased productivity, 24 hours a day, 7 days per week. This is true Location-Awareness for the Internet of Things (IoT).

### **About nanotron Technologies GmbH**

If knowing what, where and when is mission-critical to your business, rely on nanotron with *Location Running*. Nanotron's solutions deliver precise position data augmented by context information in real-time. *Location Running* means, reliably offering improved safety and increased productivity, 24 hours a day, 7 days per week: *Location-Awareness for the Internet of Things (IoT)*. More information on [www.nanotron.com](http://www.nanotron.com). Follow nanotron Technologies on [LinkedIn](#).

### **About Sensera Limited (ASX: SE1)**

Sensera is rapidly growing a sensor-based location and situation-awareness organization that provides end-to-end sensor solutions and services in the rapidly growing world of the Internet of Things (IoT). Sensera manufactures a family of proprietary microsensors and sensor systems that serve the Medtech, Industrial, Livestock Health and Mine Safety and Productivity markets. The Company's nanotron division provides Location-Awareness for the IoT. More information on [www.sensera.com](http://www.sensera.com).

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