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decaWave newsletter

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Decawave and Partner Quantitec Featured in Nokia Booth at 2016 Mobile World Congress



Mobile World Congress is an annual event where the newest mobile apps and GPS technologies are the main feature. Nokia is one such company who has taken location technologies to the next degree. The high tech company offered a live demo using Ultra Wide Band (UWB) technology from Decawave and the Real Time Location System (RTLS) indoor positioning company Quantitec. The demo tracked the location in real-time of staff as they walked around their booth. Using this facility, it is now easier when it comes to directing visitors to one of the 70 staff members on the large floor.

[Here is a video showing the full demonstration](#)

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Decawave Featured in Bosch's 2016 Bosch Connected World Keynote Demo

IOT can bring connectivity to many of our everyday items. This was the clear message that came from experts at this year's Bosch Connected World in Berlin. It was also highlighted how technology can bring other forms of very valuable information in the form of micro-location technology.

Bosch highlighted, at its own presentation, how this new micro-location technology is bringing value to many industries using the Track and Trace system as an example. [They provided a demonstration using Decawave's UWB technology and Quantitec's indoor RTLS kit.](#) The demo showed four power tools being tracked in real-time. The tools were walked around the stage and the movement could be clearly seen on the display.

The ability to track intelligent, industrial power tools with precision level accuracy enables manufacturers to make their processes more clear-cut for faster and safer production turnaround.

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Decawave Technology Deployed in Hospitals



In a hospital environment it is crucial that all the patients, equipment and medical staff are fully accounted for. This dilemma can be solved quite easily through the use of modern Real Time Location Systems (RTLS) technology.

[Secure Care](#) is an American company, who is bringing the use of RTLS to healthcare. Using technology from Decawave, they have devised a system to determine the exact location of patients, staff and equipment. Their system monitors patients moving inside of the hospital and has the advantage of notifying exactly when a patient is moving towards the hospital exit.

Special smart cabinets have been designed to monitor precisely which piece of medical equipment has been taken. This ensures that the equipment is fully accounted for and used properly. Secure Care's system monitors the movement of hospital equipment. This means that the staff knows exactly where the nearest piece of required equipment is located. Through the use of geo-fencing, it is possible to define a custom perimeter around the building.



If the patient either leaves or enters the area, depending on the circumstances, an alarm is triggered and the staff member can then deal with the situation.

Deploying Decawave's technology in hospitals is just another example of how many companies are utilizing the technology in day-to-day life.

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Microsoft Indoor Localization Competition

After last year's performance by Decawave, hopes were high that a similar result could be achieved. At this year's competition, 11 out of 20 competitors used technology from Decawave, compared to 3 out of 20 entrants last year. This displayed that there was a developing acknowledgement of Decawave and UWB technology.

The standard for the competition this year was of a much higher standard. The reason for this was, the participants were evaluated on the accuracy of their system in a 3D space. Furthermore, the entrants were only allowed to deploy a limited number of anchors (5) to cover 465m² over 2 levels.

If you discard LiDAR based systems, Decawave based solutions are #1, 2 and 4 with the first 2 achieving an amazing sub 30cm 3D accuracy. Quantitec, who is a partner of Decawave, won with an accuracy of 23cm in 3D. This comes just after an impressive demonstration at Bosch Connected World. Hangzhou Sunsend finished an impressive 2nd position with accuracy of 29cm in 3D.

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One Millionth Chip On its Way!



2 years in production and the 1 Millionth DW1000 chip is already on its way! We can't tell what type of product it will be embedded in, as the need for micro-location is across the board. Our chip is already embedded in industrial and consumer products and automotive will follow soon!

We have also shipped more than 2200 evaluation kits - including 1000 TREK - and more than 40,000 modules. The traction remains incredible with a sustained 60 to 70 new customers per month for a total of more than 1600 customers in 68 countries! Thank you to all our customers!

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Welcome to Our New Partners!

Three new partners - **CDS**, **RTL Service** and **Omnisense** - recently joined the Decawave partnership program expanding the breadth of competency and geographical coverage.

Based in Romania, [CDS](#) specializes in industrial wireless communications (ISA100) and in wireless sensor networks with a portfolio of industrial grade products and services embedding Decawave technology.

Based in Cambridge, UK, [Omnisense](#) provides high accuracy 2D-3D locating and tracking solutions since 2009.

Omnisense's new DW1000-based solution is a scalable and high performance real time location system based on a meshed network architecture.

Based in Russia, [RTL Service](#) specializes since 2008 in the development, engineering and implementation of Real Time Location Systems. RTL Service' RealTrac solution is already successfully applied in underground mines, oil production sites, large warehouses and logistics

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Decawave in the press


[What Made the Intel CES Air Band Demo Work](#)
[One Month Later: The CES Trends That Matter](#)

Full Decawave coverage: <http://flip.it/2zLZO>

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