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decaWave newsletter

Issue 19 Summer 2016

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Decawave is ISO 9001 certified!



At the beginning of 2015, Decawave commenced the formalization of its company-wide QMS (Quality Management System). We are now pleased to announce that Decawave is an ISO 9001:2015 certified company. This is a major milestone for the company. Firstly it demonstrates our ability to design and deliver products that meet our customers' requirements. This also provides them with an even higher level of confidence in the quality of the products they currently purchase. In addition, gaining this certificate also demonstrates a culture of continuous improvement at Decawave which will benefit all future products and services.

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Taoglas, from the shelf UWB antennas for your design

Decawave is proud to announce that [Taoglas](#) is developing a full portfolio of antennas tailored for IR-UWB (Impulse Radio – Ultra Wideband) and the DW1000 chip which covers 3.5GHz to 6.5GHz bands.

Taoglas is a world leader and supplier of embedded and external IoT/M2M antennas. Their product portfolio includes over 450 antennas in Cellular, GNSS, Wi-Fi, ZigBee, DSRC, ISM and NFC for applications including



Telematics, Automotive, Metering, Wearables, Medical Devices, Remote Monitoring, UAV and High-Speed Video Broadcasting.

Our team is working closely with Taoglas on their first two IR-UWB antennas which will be available in Q4 2016 in the form of a flexible patch antenna and a ceramic SMD antenna. These two antennas will cover the 6GHz to 8GHz bands.

More antennas will follow throughout 2017, including band-specific antennas, directional antennas, and antennas for body worn applications ranging from 3.1GHz to 10.3GHz.

Taoglas also offers customization services for customers with specific requirements. For more information contact Taoglas today!

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Pixie: Find your valuables and much more



[Pixie](#) has designed a product and an application that help consumers find their things via Pixie Points, which are tags that are applied to any personal object and then tracked via a mobile app. These Pixie tags allow customers to accurately locate, protect and organize their valuables. You may argue that there are already some products on the market offering the same feature. The difference is all about accuracy and user experience. Where other products give you several meters of accuracy and rely on buzzers to guide you to your lost valuables, Pixie offers 30cm accuracy and an augmented reality interface that allow you to actually visualize 'WHERE' your things are. To provide such precise location measurement, Pixie selected Decawave's UWB chips.

Pixie's vision goes beyond locating your keys, passport or phone charger. It is the Location of Things as the ability to know 'WHERE' the things actually are can be extremely valuable to many applications. As such, Pixie is now opening its API to offer abstraction and simple access to all of their Location of Things platform features. You have an idea for an app? Email Pixie at developers@getpixie.com and get your developer kit, documentation and tools.

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Sewio, launching indoor localization workshops and new RTLS platform

Our partner [Sewio](#) presented its [first interactive workshop on Real Time Location Systems](#) in the Czech Republic on 19 July 2016. This workshop aimed at introducing the role indoor locationing will play in the IoT with a focus on the Industry 4.0 revolution.

Sewio presented to participating companies representatives such as - Bosch, Microsoft, Cisco... -on how the latest location technologies enable real-time monitoring of the workplace leading to improved operational efficiency, reduced costs and improved safety.

With a mix of theory on technology, reviews of real projects from various verticals - logistics, retail, sports... - and live demonstrations, participants had the opportunity to get a practical experience of the latest advances in Real Time Location Systems.

Sewio also recently launched its [TDOA platform](#) targeting applications where



scalability, high-tag density and battery life are #1 priorities. From HW to embedded SW, visualization interface and network manager, the platform is a one-stop shop for system integrators and end customers who want to build their own solution. Sewio can also offer customization and support services for customers who want to even further reduce their time to market.

To let customers experience the performance of their system, Sewio is proposing a TDOA kit made of five anchors and three tags. The kit is a perfect starting point as it offers all the features of the RTLS Studio platform and allows customers to test those features against their application in a real environment.

Want to move to a full-scale deployment?

No problem, the only thing you have to do is to add more anchors and tags to your system!



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The Radar Zone



Website Updates

We have recently introduced a [FAQ](#) section on our website. Let us know how you like it and please do not hesitate to make any suggestions!



Decawave in the press

[Pixie's Unique Approach to Thing-Finding](#)

[Is ultra-wideband the key to indoor location accuracy](#)

[Decawave has shipped 1 million chips!!](#)

[How Precise Location Can Add Security in Smart Homes](#)

[Video Interview with Leantegra About UWB](#)

[Coming Soon: Autonomous Indoor Drones At Your Service](#)

[How Micro-Location Could Boost Healthcare IoT](#)

[Sewio Demonstrates How Decawave's Technology Can Be Used in the Warehouse](#)

[Making Waves: Innovation & The Internet of Things](#)

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

