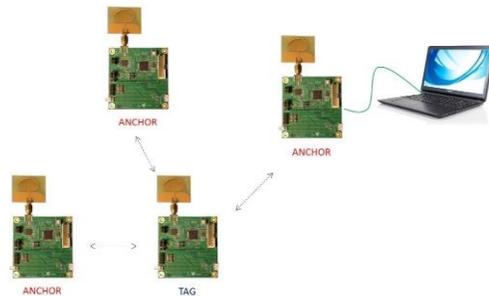# DecaWave Launches TREK1000 Evaluation Kit

DecaWave has launched its TREK1000 evaluation kit, which is designed to to enable customers to evaluate the performance of DecaWave's DW1000 Ultra-Wideband (UWB) integrated circuit in different RTLS topologies

With TREK1000, concepts can be proofed in hours and prototyped in days to bring new and innovative products to the market faster. Based on the two-way ranging scheme, the kit will offer the possibility to test 3 different scenarios:

Tracking mode—using 3 anchors and 1 tag. In this mode, the user will be able to collect the 2D/3D position of the tag relative to the anchor's position.

Geo-Fencing mode—based on 1 anchor and up to 3 tags, this mode enables users to monitor if the tags are within certain pre-defined perimeters around the anchor. This mode will allow users to evaluate use cases like personal safety (collision avoidance, security perimeter around machinery), child monitoring or 'secure-my-valuables' types of applications.

Navigation—also using 3 anchors and 1 tag. Connected directly to the tag, the user will be able to walk around and visualize its current position, allowing to test human and robotics navigation scenarios.

TREK1000 is based on our DW1000 chip, and is available from Digikey or Semiconductorestore.com

Daniel Hoste Joins DecaWave Board

Daniel Hoste has been appointed to the board of DecaWave as non-executive director of the company.

Mr. Hoste has wide experience of leadership roles within the electronics industry. He spent much of his career working with Motorola and Freescale. Most recently he was CEO of Tundra (acquired by IDT) while also serving on the boards of four companies, including Energy Micro. He also acts as mentor to two start ups

"We are honoured that Daniel has agreed to join the DecaWave Board. Daniel's wide ranging experience and expertise in leadership roles in the electronics field will be invaluable to us," said Ciaran Connell, CEO DecaWave.

EETimes Europe DecaWave Promotion!!!

To celebrate the launch of our TREK1000 evaluation kit, DecaWave is offering kits to two lucky winners of the readers competition in April's issue of EETimes Europe.

See EETimes Europe for further details: www.eetimes.eu

DecaWave Launches Partners Program

DecaWave has recently launched its Partnership Program, to help its customers build winning products with the pooled products, resources and expertise of our Partner companies.

It can take the expertise of many companies - hardware vendors, software developers, systems' integrators - to build a great end product. DecaWave's Partnership Program has been created with this in mind – introducing customers to trusted partners to ensure their product's path to successful commercial realisation is smooth.

DecaWave's Partnership Program already has 7 members: Agilion (Ger), Ciholas Inc. (US), Idolink (S. Korea), OpenRTLS (Holland), Red Point Positioning (US), RTLS (Russia), and Woxu Wireless (China), with more to be announced in the next few months.

Companies wishing to participate in our Partners Program should contact Mickael Viot, DecaWave Marketing Manager in the first instance, at mickael.viot@decawave.com. See: www.decawave.com/partners

New Design Resources Online

DecaWave's strategy is to offer more and more design resources online to ease and accelerate our customers' designs, so we have recently launched a number of new design resources on our website.

EVK1000 source code is now freely accessible, while soon printed antenna reference designs - including gerbers and productions files – will also be available for download from www.decawave.com/support.

The first 2 antenna reference design will cover standard anchors and tags use cases.

DecaWave Presents to In-Location Alliance Plenary Session

DecaWave presented at the In-Location Alliance Plenary session in Cambridge on March 25th.

The ILA was founded by the mobile industry to accelerate the adoption of indoor position solutions. Initially focused on Wifi and Bluetooth technologies, the ILA welcomes other technologies like UWB or light as the need for micro-location increases. As a member of the Alliance, DecaWave presented and demonstrated the benefits of its technology to the other members.

For further information, please visit: http://inlocationalliance.org.

DecaWave Presents at WPNC Conference

DecaWave has presented at the WPNC conference, which took place at Dresden in Germany on March 11th and 12th.

This was the 12th IEEE 2015 Positioning, Navigation and Communication, which gave an overview of state-of-the art approaches and systems. WPNC continues to cover ultra-wideband technology as it is becoming of great importance in the area of positioning, navigation and communication. DecaWave presenting on the "Characterisation of the NLOS Performance of an IEEE 802.15.4a Receiver".

DecaWave's presentation was authored by Marcas O'Duinn, and Ciarán McElroy, and was was presented to WPNC by Dries Neirynck,