Press release

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Where Geolocation Powers IoT Innovation
Conference, Exhibition & Testbed – June 11-13, 2018 – Brussels, Belgium
www.geoiotworld.com

Geo IoT Awards 2018 Winners:
ABEEWAY, ENVITIA, NANOTRON TECHNOLOGIES and UBISCALE

Brussels, June 12th, 2018 – Geo IoT World is delighted to announce the winners of the Geo IoT World Awards 2018. Four Awards recognize innovative solutions leveraging precision location technologies in IoT applications:

- The Geo IoT Award for **IoT Solutions Empowered by GNSS** was presented to **Abeeway Low Power Tracking Solution** by Abeeway.

- The Geo IoT Award for **Geo Data Intelligence** was presented to **CAESAR** (Collaborative Autonomy for Emergency Scene Assessment and Response) by Envitia.

- The Geo IoT Award for **Indoor Location & Proximity Services** was presented to **swarm bee Tag-Ready Modules** by Nanotron.

- The Geo IoT Award for **IoT Networks & Asset Tracking** was presented to **Ubi.cloud** by Ubiscale.

The Geo IoT Awards ceremony on June 12, 2018

*More about the technologies awarded:

Abeeway developed a flexible multi-technology location system optimized for low-power LoRaWAN™ communication, using GPS, a breakthrough Low Power GPS (LP-GPS), WiFi Sniffing, and LoRa TDOA, featuring the highest-performance tracking devices available on the market: Micro Tracker and Industrial Tracker. This system allows to obtain geolocation data with very low energy consumption on the one hand, and to make it adaptable to different environments and use scenarios on the other hand, by using the classic GPS, the Low Power GPS (our patented cloud computing technology that is deporting all calculations from the device to the our server, reducing energy consumption up to x10), WiFi Sniffing (highly accurate and low-power consumption positioning using Wifi access point infrastructure) and LoRa TDOA: Actility ("native" geolocation with LoRa, using a triangulation technique to make a time difference of arrival (TDOA) calculation on the received LoRa signal and calculating the position.
https://www.abeeway.com

Invitia's CAESAR (Collaborative Autonomy for Emergency Scene Assessment and Response) provides an autonomous decision-making support system that allows data from multiple sensors and other sources to be continuously analysed, tagged and prioritised to identify the most appropriate courses of action. The aim of collaborative autonomy is to enable intelligent teaming between individual platforms or software agents such that the data collected by each component enables the complete system to learn and adapt. The capability provides support to hazardous scene assessment by autonomously and rapidly characterising a scene as close to the start of an incident as possible. The system rapidly characterises a scene through the use of Deep Learning classification, geospatial analysis and sensor web enablement.
http://www.envitia.com

The nanotron Technologies' swarm product family is the first common platform for chirp and UWB, making it quick and easy to develop location solutions. swarm bee modules offer tag-readiness, 1 common API and 1 common pin-out to cut time-to-market for location-aware products by 12 months compared to in-house RF design. Rapidly construct low power tags with tag-ready swarm modules: they only need an antenna, a battery and housing. Mix & match UWB and/or chirp with proximity and/or real-time tracking in one application. For CAS applications, swarm bee reacts ultra-quickly to any approaching item that reaches a pre-set distance and can be used with a smaller exclusion zone than any other solution. Sophisticated power management tailored for mobile tags supports autonomous applications. For TDOA-based real-time tracking, anchors synchronize wirelessly with sub-nanosecond precision to provide high location accuracy. Tag-driven location blinks received by the location infrastructure guarantees highest throughput.
https://nanotron.com/EN

Ubiscale's Ubi.cloud is a software solution that combines and shifts smartly the processing power of GNSS sensors and Wifi sensors to offer outdoor/indoor geolocation to IoT. It matches with applications that leverage LPWA connectivity where autonomy matters. To delivery ubiquitous location, it hybridizes two very complementary approaches: GNSS and WiFi Ubiscale has engineered Ubi.cloud with the key drivers of IoT in mind: power-consumption and cost. It consists in two software components: An embedded one that drive GNSS and Wifi chipsets for smart and minimum pre-processing of the signals. A cloud-based one that perform the position computation from the pre-processed signals. Thus, it fits all tracking applications, whatever the LPWA standard, where the service side needs to know the position of the tracked device, but not the device itself. In comparison with a traditional processing, Ubi.cloud cuts by up to 10x the power consumption of both GNSS and WiFi chipsets.
http://ubiscale.com