

## **Autotalks and Commsignia lead the deployment of smart highways in Europe**

*Setting the cornerstone for future intelligent highways with top-of-the-line truly secure V2X technology*

Kfar Netter, Israel, Königsbach-Stein, Germany, and Budapest, Hungary ([PRWEB](#)) January 18, 2016 -- Autotalks Ltd. has formed an alliance with Commsignia Ltd. to lead the deployment of “Intelligent Transportation System (ITS)” corridors on smart highways of Europe. The tender for deploying the first cornerstone of the “Cooperative ITS corridor – Rotterdam - Frankfurt - Vienna” has been awarded to Alpha-ES Elektronik-System e.K., Autotalks, AFUSOFT and Commsignia, equipping the Frankfurt Rhine-Main area - one of the areas in Germany with the highest traffic loads - with state-of-the-art V2X (Vehicle-to-X) technology to provide real-time safety for passengers.

A safer and more efficient road transportation could save countries billions of euros each year, which is why Transport Ministries of Austria, Germany and The Netherlands announced the foundation of a cross-border C-ITS corridor enabling the deployment of smart infrastructure communication units to set the keystone of future intelligent highways.

The first stage of deployment and interoperability testing based on the actually deployed communication system from AFUSOFT Kommunikationstechnik GmbH, done with vehicles provided by multiple car makers and led by local highway operator Hessen Mobil – Road- and Traffic Management, has ended with a very high success rate, in which Commsignia supplied its integrated ITS-RS2-M Road-Side-Unit (RSU) solution based on Autotalks secure best-in-class V2X chipset.

Autotalks CRATON (ATK4100) V2X Communication Processor and PLUTON (ATK3100) V2X RF Transceiver, offer a complete Automotive grade solution with the most advanced security, supporting concurrently both NIST and Brainpool curves as required by the BSI, the German Federal Office for Information Security. Autotalks high-performance security, assures integrity and reliability of V2X communication - a necessary condition for trusted safety. Furthermore, Autotalks pre-integrated software solution allowed for expediting the development process.

The V2X infrastructure equipment developed by AFUSOFT and Commsignia not only satisfy the worldwide requirements and standards of deployed RSU equipment, but provide lifesaving decisions utilizing the world’s first automotive, real-time V2X stack. Proprietary enhancements assure low-latency and secure communication between road infrastructure and vehicles supporting all standard V2X messages and facilities to date.

Mr. Onn Haran, Autotalks' CTO explains: "This activity is a very important milestone for the ITS industry towards fulfilling the vision of safe and smart mobility. We are happy to showcase together with our partners, a mature and production-ready V2X solution that meets the rigorous security and performance targets without compromise."

"We are very proud to be part of this successful collaboration" stated József Kovács, Commsignia’s CEO. "We aim to drive the European V2X deployment we are glad that in one of the very first deployments in the European Corridor the Commsignia ITS-RS2-M V2X Roadside Units have been chosen by Hessen Mobil. We believe that with each passed test cycle in Frankfurt we move one step closer to an efficient and accident free highway system in Europe."

"We are very satisfied with the excellent performance of our partners!" states Prof. Erich H. Franke, Managing Director of AFUSOFT. "The cooperation allows us to fulfill all demanding requirements of the German authorities."

#### About Autotalks Ltd.

Autotalks enables the V2X communication revolution by providing an automotive qualified chipset that supports all functions required from a V2X ECU. The unique technology of Autotalks addresses all key V2X challenges: communication reliability, security, positioning accuracy and vehicle installation, while maintaining flexibility for V2X system cost optimization. Autotalks' ready solution is used in series production units reaching the market from 2015 on. Autotalks and STMicroelectronics have formed a strategic partnership for the V2X market, and are working to produce a mass market-optimized second-generation V2X chipset.

#### About Commsignia Ltd.

Commsignia specializes in Connected Car / V2X hardware and software solutions with a mission to increase traffic safety and efficiency on the road. Dedicated to the research and development of car connectivity systems for innovative car makers, the company aims to create the world's first connectivity platform that integrates Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) applications with everyday technologies from tablets and phones to smart homes. The product line of Commsignia includes a V2X Communication Software Stack, Safety Applications, a V2X Simulator, On Board Units (OBU) and Roadside Units (RSU), all developed with flexibility, reliability and security in mind. The founders include respected scientists who have been key contributors to the development of V2X technologies in the past decade, allowing Commsignia to become the fastest growing V2X solution provider on the market.

#### About AFUSOFT Kommunikationstechnik GmbH.

AFUSOFT deploys systems for road safety, transportation security and secure mobile communication systems since the last fifteen years for public organizations and industrial partners. Since 2002 the integrated secure backbone network AFUSOFT Security.WEB provides safety monitoring in vehicular applications worldwide. Construction site safety, road winter service, remote motor monitoring and control are typical applications. As an example, the Hessen DORA system roadside units (RSU) relies completely on AFUSOFT technology. Security.WEB combines direct satellite communication, as well as mobile and line-of-sight radios together with short-range radios like the ETSI V2X communication. Dedicated to highest quality in engineering, AFUSOFT develops and produces a complete family of mobile Supervisor Units.



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