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Augumenta Lends Helping Hand to Auto Mechanics, Highlights Power of Smartglass Gesture Control for Field Maintenance

Munich, Germany – February 2, 2015 – Augumenta, Ltd., the Finland-based provider of user interface tools for wearable computing, is demonstrating a fully gesture controlled application concept for automotive maintenance this week at the Wearable Technologies Conference in Munich (February 2-3). Built using the Augumenta Interaction Platform SDK and demonstrated on Epson Moverio™ BT-200 smartglasses, the application showcases how gestures can be used as the sole control method for a service worker.

"Smartglasses are becoming a part of the industrial and service worker toolbox in many different verticals, and automotive is one of the areas where the technology greatly improves efficiency at workplace," said Tero Aaltonen, Co-Founder and CEO of Augumenta. "The 'Car Mechanic 2.0' concept application shows how a worker can get step-by-step guidance through any documented car maintenance process without using either voice command or a control pad for navigation and interaction. The ability to rely on a single interaction method shortens the learning curve for smartglass adopters."

After a single touch on the Moverio BT-200 control unit to turn on the device, all interaction with the application is executed with hand gestures. A mechanic starts work by looking at the car license plate for vehicle identification, which launches the appropriate menu to access relevant diagnostics and service instructions. Numeric information, such as vehicle mileage, is entered using a virtual keypad visible only on the smartglass display. Field deployed versions of the application also could support access to a vehicle's on-board diagnostics.

The Augumenta Interaction Platform SDK used to build the application provides smart glass developers with a vocabulary of eight dynamic gestures that allows hand signals to be used as commands. The gestures are differentiated from background objects using the single camera used in the readily available smartglass devices.

Released to qualified developers in October 2014, the gesture control SDK is the first component of the Augumenta Interaction Platform. The keypad used in the concept application was built using the interactive virtual surface toolkit that Augumenta will release later this year. Virtual surfaces are privately viewable images that are seen only by the smart glass user and respond to such inputs as data entry on a numbered keypad or moving slider bars to change a machine setting.

About Augumenta

Augumenta develops interaction solutions for wearable electronics. Combining hand gestures and augmented reality, the company's software enables new ways to control applications and devices. Headquartered in Oulu, Finland, with a support hub in Taipei, Taiwan, Augumenta licenses its products to global OEMs, integrators and developers. More information and registration for the company newsletter is here: www.augumenta.com.

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