PRESS RELEASE

Louvain-la-Neuve (BEL), January 4th, 2022

EMBARGOED until 10.00am CET, 4th January 2022

Wideye® by AGC announces its attendance at the Consumer Electronic Show 2022 with a focus on integrated solutions delivering automotive-quality, 360-degree sensors for ADAS and autonomous vehicles.

Wideye® by AGC, a scale-up part of glass group AGC focusing on advanced driver assistance systems as well as autonomous driving, will be in attendance at the most important exhibition dedicated to the innovation of technology and electronics, CES taking place between January 5th and 8th 2022 in Las Vegas. After taking part at the same show for the past three years on partner stands, Wideye is proud to unveil its own display, showcasing the vision and development of 360-degree sensors using its innovative glass solutions.

In the mobility market where needs are continuously evolving towards autonomous vehicles, the necessity to aesthetically integrate high-performance sensors is increasingly important. Since its creation in 2016, Wideye has made solving these challenges its specialty by offering integration solutions based on its unique glass. Transparent to near infra-red and with high optical quality, this unique glass is proving to be indispensable for the seamless installation of optical sensors such as LiDAR and cameras. The benefits of Wideye are multiplied by the support of parent company AGC Group, one of the worldwide market leaders in automotive glass. This support allows Wideye to achieve high volume production responding to the demands of vehicle manufacturers who are already specifying Wideye solutions.

CES 2022: demonstration of strength of innovation with chosen partners on a concept car

The dominant position of Wideye in autonomous vehicle ecosystems allows its team to develop effective partnerships, motivated towards accelerating technological development. These alliances will be demonstrated by using a car incorporating new concepts that visitors will be able to experience live.

- Many publications, in particular from vehicle manufacturers, note that the windshield is location of choice for the integration of LiDAR and cameras. Firstly, it allows greater protection of the sensors mounted behind the glass, better reliability using an existing cleaning system, and a commanding viewpoint because of its high and central position on the car. The positioning of these sensors behind the windshield ensures invisible integration with better aesthetics and reliability than exterior mounting which could become complex and costly. Wideye is developing these solutions with multiple partners and in particular with the Belgian company XenomatiX, a LiDAR manufacturer specializing in True Solid State LiDAR. At CES, Wideye and XenomatiX will demonstrate the ability to combine both LiDAR and camera modules behind the windshield and guarantee performance by using glass transparent to near infra-red signals. This co-integration also addresses the market movement towards a more centralized electronic architecture with fewer processors at the sensor-level. XenomatiX supports this architectural trend and offers customized true solid data X-modules for series integration.

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- Sensors can also be integrated at the side of the vehicle to detect obstacles such as into the B-pillar. This positioning permits other uses such as parking space detection and external environmental mapping around the vehicle. Wideye and Sony Depthsensing Solutions ("SDS") have collaborated to integrate ToF (Time-of-Flight camera) technology. SDS is developing the next generation of smart, 3D-driven applications. The ToF sensor, which is seamlessly integrated can also be used for facial authentication technology for access control applications. This integration will also be shown fully functioning for visitors to try out.

- An alternative side integration will also be demonstrated, using the fender installed on the concept car to show that a sensor can be mounted discreetly and in an aesthetically pleasing way on any vehicle. The glass allows the sensor to become a part of the styling of the vehicle and can be entirely personalized by the manufacturer while maintaining its primary function of detecting frontal objects.

- Wideye will also be taking the opportunity to demonstrate the superior quality of its glass when used in LiDAR housings. Wideye has supplied its unique glass to Israeli company Opsys Technologies where its SP2.5 Pure Solid State Scanning Micro Flash LiDAR will be presented. Opsys has been working on Pure solid state scanning LiDAR for the automotive industry since 2016, specifically on micro flash technology using fully addressable VCSEL array and SPAD array to maximize detection range. The Wideye - Opsys collaboration aims to enable the achievement of automotive specifications while maintaining the highest performance of the sensor using the qualities of Wideye's proprietary glass. As well as the optical protection of the LiDAR sensor, this partnership is working towards entire integration: of support systems like heating, the physical housing, and module electrical connections.

The attendance of Wideye at CES 2022 will also allow the scale-up to show its capability to be a systems integrator. Wideye aims to provide complete system integration, beyond a product supplier. "*It's about time to provide automotive-grade integration options to help the mobility market to embark the most promising sensor technologies and to lift off the ADAS/AD adoption curve*" said Wideye's CEO, Quentin Fraselle.

Visit us at stand #6577 in the West Hall, LVCC.

ToF sensor integrated in a B-pillar

Combination of a camera and LiDAR behind a windshield

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About Wideye® by AGC

Totally focused on autonomous vehicle ecosystems, Wideye® by AGC is a corporate scale-up of the Tokyo-based AGC Group, a world-leading supplier of flat, automotive and display glass, chemicals and other high-tech materials and components. Wideye® by AGC is backed by AGC Automotive Europe, AGC Group's European automotive glass branch, specialized in production of glazing solutions for vehicle manufacturers.

Since 2016, Wideye's vision is to enable ADAS deployment and bring fully autonomous driving to reality.

Through comprehensive R&D and partnership with sensor companies, Wideye has established the know-how to manage 360° sensor integration from the early development stage up through mass production. Wideye targets its innovative services & products to sensor suppliers, automotive tier 1s and OEMs by closely working with them. Wideye uses its large ecosystem, to help its customers design, prototype, and industrialize the perfect integration solutions for their optical sensor modules such as LiDAR and CAMERA.

For more information go to: www.wideye.vision or join us on LinkedIn.

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About XenomatiX

XenomatiX is the first company to offer True-Solid-State LiDAR solutions for on-road and off road automotive, industrial and monitoring (smart city) applications. XenomatiX designs and builds products and software that enable precise real-time 3D + 2D digitization, offering a fast understanding of the real world and empowering applications that lead to safer and more comfortable cities and vehicles. In particular, XenomatiX is known for its flexible and customizable LiDAR modules for series integration.

Besides in-house hardware and software solutions, XenomatiX has built a valuable ecosystem of partnerships with Tier 1 and Tier 2 suppliers and provides this way access to total solutions to automotive and industrial companies.

For more info, check our website www.xenomatix.com or visit XenomatiX at booth #5677 in the West Hall, LVCC.

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About Opsys Tech

Opsys Tech was founded in 2016, with headquarters in Holon, Israel, and US office in San Jose CA. The company has a world class experienced team +20 years in design, packaging and large scale manufacturing of optical components, modules and systems.

Opsys developed a Pure Solid-State Scanning LiDAR using a revolutionary Micro-Flash technology. The unique components are based on addressable VCSEL array and SPAD receiver, which enable true NO moving parts sensor.

Opsys LiDAR not only meets automotive reliability requirements and provides best-in-class performances, but also delivers best cost structure to automotive manufacturers, Tier 1 suppliers and tech companies.

For more info, check our website www.opsys-tech.com or visit Opsys Tech at booth #3761 in the West Hall, LVCC.

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