Press release

OQmented Joins LaSAR Alliance
for Augmented Reality Wearable Devices

Alliance formed to accelerate development of augmented reality eyewear applications

Itzehoe, Germany, May 05, 2021 - OQmented, a deep tech startup developing top-notch MEMS-based laser beam scanning technology, announced today that it has joined the newly established LaSAR Alliance (Laser Scanning for Augmented Reality). The alliance was launched by five founding members as a member program of the IEEE Industry Standards and Technology Organization (ISTO), an international federation promoting industry standards and technologies in the electro-technical sector.

The LaSAR Alliance was established to create an ecosystem to enable the efficient design and manufacture of augmented reality (AR) wearable devices, including smart glasses and head-mounted displays. The alliance aims to facilitate the exchange and sharing of information, to create, build and grow effective and compelling LBS (Laser Beam Scanning) -based solutions and to help drive the growth of the market for AR wearables in general.

"LaSAR welcomes OQmented to the Alliance and looks forward to their contributions to building the solid foundation on which we can all drive the growth of augmented reality wearable devices through laser beam scanning solutions," said Dr. Bharath Rajagopalan, Chair of the LaSAR Alliance and Director, Strategy Marketing at STMicroelectronics. "OQmented offers 25 years of experience in the development of customized, ultracompact, resonant 1D and bi-resonant 2D MEMS scanners, and we expect their participation to further fuel the technology and grow this dynamic market."

The use cases for augmented reality technology are manifold: remote collaboration in the workplace, training situations, education, manufacturing or entertainment are among them. PwC estimates that by 2030, virtual and augmented reality will boost the global GDP by USD 1.5

trillion.[1] OQmented is developing technology that is a key enabler for AR mobile and stationary devices. The company has a strong background in electronics, drive and sync, combined with software expertise. Their unique Lissajous scan pattern and the vacuum encapsulation Bubble MEMS® technology[2] enable highest resolution, lowest energy consumption and smallest chip size, at the same time guaranteeing long-term reliability for the hermetically sealed micro mirrors.

"We are excited about the forum that LaSAR provides to exchange with the other members and potential partners and strongly believe that the creation of a dynamic network is a crucial step for the advancement of AR wearables," said Dr. Ulrich Hofmann, CEO/CTO and co-founder of OQmented. "With our unique Lissajous scan pattern and the Bubble MEMS® technology, OQmented can contribute complementary solutions to the alliance which did not exist this way before, providing new possibilities for the potential customers. Numerous applications can profit from this key enabling technology," he added.

For more information about the LaSAR Alliance visit https://lasaralliance.org/

About OQmented

OQmented is a deep tech company developing and selling high performance MEMS mirrors for ultracompact LBS displays and best in class 3D sensing solutions for mobile and stationary applications. The unique Lissajous scan pattern in combination with the patented vacuum packaging Bubble MEMS® technology and proprietary electronics and software enable new product categories in consumer and various other industries. Further information can be found at www.oqmented.com.

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[1] https://www.pwc.com/seeingisbelieving

[2] Bubble MEMS® is a patented 3D glass-encapsulation approach to hermetic vacuum sealing of the MEMS mirrors.