Navigation and Localization in GNSS-Denied Environments

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For additional Anello solutions:
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For additional Geospatial solutions:
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To set up a meeting:
AnelloPhotonics@carahsoft.com
844-722-8436

To purchase, check out the contract vehicles available for procurement:
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ANELLO

Navigation and Localization in GNSS-Denied Environments

MISSION

Our mission is to disrupt the navigation industry with integrated Silicon Photonics.

TECHNOLOGY

We're the developers of the SIPHOG™, a low-noise and low-drift optical gyroscope smart sensor. We're replacing traditional optical components with our patented photonic integrated circuit technology. The result is the smallest commercially available optical gyroscope worldwide.

APPLICATIONS

Our disruptive technology can be used across multiple applications and we're currently engaged in field trials with market-leading customers in Automotive, Trucking, Industrial, Aerospace, Defense, Aerial/Terrestrial Mapping and Surveying segments.

PIONEERS IN SILICON PHOTONICS AND SENSORS

Mario Paniccia, CEO

Mario has 20+ years of experience in the Silicon Photonics industry working as an Intel Fellow and the former CTO and GM of the Silicon Photonics Data Center Group at Intel Corporation. Mario is a world-renowned pioneer in the field of Integrated Silicon Photonics where he has been driving engagements from conception to high volume commercial delivery.

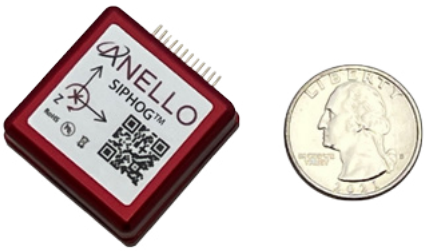
Mike Horton, CTO

Mike has 20+ years of experience in the Gyro and Sensor Industries as well as in MEMS, Aerospace, Defense and Commercial Applications. Mike is a world recognized leader in Sensor Technology. Prior to co-founding ANELLO, Mike was the founder of Crossbow Technologies, a company specializing in MEMS-based Inertial Navigation Systems.

THE ANELLO SIPHOG™

The SIPHOG™ (Silicon Photonics Optical Gyroscope) is a low-noise and low-drift optical gyroscope smart sensor

- Smallest Commercially Available Optical Gyroscope
- Patented Photonic Integrated Circuit Technology
- < 0.5°/Hr Drift (Z-Axis)
- < 0.05°/√Hr Angular Random Walk (Z-Axis)
- 18-bit Measurement Resolution
- SPI/UART Digital Interfaces
- Easy and Accurate Hardware Time Sync
- ASIL-B Ready



ANELLO DIFFERENTIATORS

- Experienced Team with Expertise in Silicon Photonics and Sensors
- 100x Better Vibration and Temperature Drift than MEMS Solutions
- Products from Sensors to Fully Integrated Solutions
- ANELLO Sensor Fusion Engine
- Designed and Built for Extended GNSS-Denied Environments
- Communication Protocols: Ethernet, CAN, UART, SPI

ANELLO INVESTORS

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