

Septentrio and Point One Navigation Expand Partnership to Europe for Industrial Autonomy, Robotic Delivery & Agriculture

Autonomous Developers & Manufacturers now have a US and Europe positioning solution for Industrial Autonomy, Robotic Delivery, and Agriculture

SAN FRANCISCO, CALIFORNIA, USA, June 21, 2023 /EINPresswire.com/ -- Septentrio and [Point One Navigation](#) Expand Partnership to Europe for Industrial Autonomy, Robotic Delivery, and Agriculture
Autonomous Developers & Manufacturers Now Have a Positioning Solution that Can Work in Europe and the US



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San Francisco and Leuven, Belgium – June 21, 2023 - Point One Navigation, a provider of Precise Location as a Service (PLaaS) for autonomous vehicles, and Septentrio, a leader in high-precision GNSS, have expanded their precision location solutions throughout Western Europe.

“

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Gustavo Lopez, Market Access Manager from Septentrio

Point One's Polaris™ is an innovative correction network that enables high-precision GPS and computer vision-based [localization](#), while allowing the customer to choose the performance and price point that best fits their application. Septentrio RTK receivers can be used directly with Polaris™ to provide centimeter-level accuracy in seconds. Polaris has recently extended coverage to now include western Europe, further expanding the reach of the network.

Point One is the first [localization service](#) with a robust API, unlocking the developer to build

applications on top of the service. Septentrio and Point One are bringing this developer compatibility to demanding applications, including Industrial Autonomy, Precision Agriculture, Logistics and Delivery, Robots and Autonomous Vehicles

This technology is complemented by Point One's FusionEngine software, which further integrates cameras and additional sensors to achieve the desired level of precision, even in the complete absence of satellite signals.



point one
septentrio

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"We have chosen to work with Septentrio to power our solutions for both the correction network and our FusionEngine reference design because of the excellent quality, robustness and jamming and spoofing resilience of their GNSS receiver technology", says Aaron Nathan, CEO & Co-founder of Point One Navigation. "We have worked with them extensively in the autonomous vehicle space, and their GNSS technology combined with excellent application support, has been integral to our success."

Gustavo Lopez, Market Access Manager from Septentrio added: "We are very excited to be expanding our agnostic corrections program with Point One Navigation for their autonomous and industrial applications in the EU. Their correction services have proven robustness, accuracy and high availability in the Americas. Their recent expansion into the European Union is key for integrators wanting a transparent RTK service in both continents."

The robust, globally accurate position and orientation obtained by Point One's FusionEngine software is a result of highly advanced algorithms that integrate camera, inertial, and GNSS data at over 200 times per second. FusionEngine has the accuracy and the resilience to inclement weather required by Level 2 applications such as highway lane keeping and V2X, while offering the robustness necessary for mission-critical Level 4 and Level 5 robotaxi and full autonomy applications. What's more, FusionEngine powered by the Polaris Cloud provides convergence to centimeter accuracy in seconds, not minutes. The platform also completely eliminates the combined location/map provider lock-in typical of other solutions based on HD mapping technology, enabling vehicle OEMs to choose the best map provider for a given region. Point One's FusionEngine software and Polaris Cloud is the ultimate combination for safe, cost-effective autonomous driving and robotics applications.

Point One's solution is powered by Septentrio's best-in-class GNSS receivers, including the mosaic™ compact multi-constellation GNSS Receiver. The Septentrio mosaic™, a multi-band, multi-constellation receiver in a low-power surface-mount module with a wide array of

interfaces, is designed for mass market applications like robotic and autonomous vehicle guidance systems. The mosaic™ module integrates the latest GNSS and RF ASIC technology, as well as the robust positioning engine from Septentrio.

All Septentrio GNSS receivers and modules feature AIM+ technology, the most advanced on-board interference mitigation commercially available. Septentrio GNSS receivers can suppress the widest variety of interferers, from simple continuous narrowband signals to the most complex wideband and pulsed jammers.

For more details and purchasing info, please visit: <https://pointonenav.com/septentrio-point-one/>

About Point One Navigation

Point One Navigation, headquartered in San Francisco with offices in Boston, specializes in building precise location services with accuracy down to a few centimeters at a cost 100x less than existing solutions. State of the art sensor fusion techniques and a proprietary network of sensors enable Point One to determine vehicle location with unrivaled precision and cost. To learn more about Point One Navigation and its products, visit: www.pointonenav.com.

About Septentrio

Septentrio is an ISO 9001 certified manufacturer of multi-frequency multi-constellation GPS/GNSS positioning technology for demanding applications. Reliable centimeter-level positioning enables machine automation improving efficiency and safety. Septentrio provides positioning solutions for industrial applications such as robotics, construction, survey and mapping, maritime, logistics and unmanned aerial vehicles (UAVs).

Septentrio has its headquarters in Leuven, Belgium and has a world-wide presence with offices in Los Angeles, Shanghai, Seoul and Yokohama as well as numerous partners around the world. To learn more about Septentrio and its products, visit septentrio.com .

Mark Shapiro

SRS Tech PR

6192497742

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