Future of Enterprise Drone Inspection Arrives With Auterion and Phase One Plug-and-Play Integration

Open ecosystem enables customers to scale high-precision inspections and integrate best-in-class aerial imaging, real-time data into existing apps and workflows

MOORPARK, Calif., and ZURICH — August 18, 2021 — Auterion, the company building an open and software-defined future for enterprise drone fleets, today announced that it has partnered with Phase One, the world-leading developer and manufacturer of medium and large format aerial photography systems. The companies will make the Phase One P3 Payload line up easily accessible, with a plug-and-play integration to Auterion's open drone ecosystem.

Unmatched Inspection Productivity From Cloud-Connected Workflow

Enterprise inspections today are limited to periodic inspections of selected assets in a small geographic area. Enterprises are forced to use either internal drone operators or operators who are trained in the organization's workflow to effectively collect pertinent data. Scaling the inspections from tens of assets to thousands of assets requires a platform-agnostic, end-to-end, streamlined workflow. This enables drone operators to conduct the inspections across a large region, lowering the cost and increasing the coverage.

Well known for unsurpassed image quality in high-precision and time-critical inspections, Phase One's P3 Payload consists of a high-resolution 100MP iXM camera - uniquely designed for UAVs - containing a BSI sensor with the highest dynamic range of 83dB, a rangefinder with smart focus, and a broad array of lenses including 35 mm, 80 mm and 150 mm. The partnership joins the P3 Payload's inspection capabilities with the versatility native to Auterion's ecosystem of software-defined and connected drones — enabling customers to integrate real-time, best-in-class inspection data into their existing applications and workflows. The P3 Payload is Phase One's first payload compatible with the Auterion ecosystem.

"Phase One is dedicated to raising the bar for data quality across all drone applications and types," said Michael Messerschmidt, portfolio director for inspection and drones at Phase One. "Through our partnership with Auterion, we can provide the critical infrastructure required for our customers to scale their high-value drone inspections. By working with leading drone ecosystems like this one and supporting our customers' current and future business regardless of platform, Phase One aims to deliver unmatched, end-to-end productivity in shorter flight times."

Drones leveraging the Phase One P3 Payload and the power and connectivity of Auterion's Skynode and Suite are capable of dramatically scaling high-value, high-risk and time-critical inspections including those of wind turbine fields (on land and offshore), oil refineries and offshore rigs, power masts and utility lines, bridges, dams, nuclear facilities, large infrastructure projects and other use cases. The combination also benefits faster geospatial mapping, bringing world-renowned image quality with very high resolution, dynamic range, color fidelity and geometric accuracy to projects.

"The partnership between Auterion and Phase One makes it possible to scale drone inspection operations," said Thomas Gubler, head of avionics at Auterion. "Customers will benefit from cloud connectivity, which shortens and simplifies workflow and enables faster corrective actions for any problem identified. There's no more pulling from an SD card. A cloud-connected workflow becomes increasingly important when paired with the capabilities of Phase One's high-precision, high-quality P3 Payload."

Open Ecosystem Means Faster Expansion and Diversification of Drone Fleets

A growing open ecosystem for drones provides an increasing level of choice for customers. "More end users can leverage payloads for plug-and-play operation without extensive integration, which means enterprises can expand and diversify their fleets fast," said Gubler. "Auterion's easy, open standards software integration is yielding the most versatile and innovative range of drone solutions for scaled enterprise applications, like this uniquely powerful pairing with Phase One. The Auterion ecosystem future-proofs our offerings, de-risking investments in the eye of our customers."

Auterion is bringing together an ecosystem of partners that work together on open standards to solve customer problems with solutions that are unattainable for proprietary providers. The company is choosing partners with the highest quality products to offer a complete set of components for state-of-the-art drones.

About Phase One
Phase One A/S is a leading researcher, developer, and manufacturer of medium format and large format digital cameras and imaging systems. Founded in 1993, Phase One is a pioneer of digital photography. Phase One has developed core imaging technologies and a range of digital cameras and imaging modules, providing the world's highest image quality in terms of resolution, dynamic range, color fidelity and geometric accuracy. As such, Phase One has grown to become the leading provider of high-end imaging technology across many demanding business segments, such as aerial mapping, industrial inspection, and cultural heritage digitization, as well as serving the world's most demanding photographers.

Based in Copenhagen, Denmark, and with regional offices in New York, Denver, Cologne, Tel Aviv, Tokyo, Beijing, Shanghai and Hong Kong, Phase One nurtures long-term relationships with customers, technology partners and its global network of distributors, often playing the role of digital imaging partner to customers with special requirements. It is with this passion for service that Phase One continually exceeds expectations and drives the imaging industry forward. Learn more at www.phaseone.com.

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About Auterion

Auterion provides enterprise and government with an ecosystem of software-defined drones, payloads, and third-party applications within a single, easy-to-use platform based on open-source standards. The platform gives operators greater choice, flexibility, and assurance, to improve their drone workflows, from mapping to inspection, cargo, and ISR. With 70+ employees across offices in California, Switzerland, and Germany, Auterion's global customer base includes GE Aviation, Quantum Systems, Freefly Systems, Avy, and the U.S. Government. Learn more at www.auterion.com.

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