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Press Release

maxon Partners with Open-Source Champion Auterion to offer avionics that can change the industry.

DC motor specialist maxon - whose precision electric DC motors are aiding the autonomous helicopter Ingenuity and rover Perseverance to explore Mars - announced a partnership with Auterion, the company building an open and software-defined future for enterprise drone fleets.

maxon and Auterion have partnered up to create the most advanced, open ecosystem of avionics and motor integration in the drone industry. This combination and interaction of propulsion systems and flight computer / auto pilot joins maxon's best-in-class brushless DC motors and Auterion's module Skynode.

The implementation uses open-source standardisation that's critical for the drone industry's next phase of enterprise scaling and smooth workflow management. Across every user, open ecosystem integrations support component upgrades and mixed portfolios of small, medium and heavy-lift drones, carrying a wide variety of specialised payloads or cargo. Delivering maximum energy efficiency, flexibility, safety and performance by pursuing an optimal systems interplay between maxon's high-precision DC motors, electronic speed controllers (ESC) and matching propellers connected to the complete Auterion platform.

The partnership will leverage both companies' know-how to make drone operation, development and fleet management easy at dramatically reduced costs. The companies will explore long-term opportunities around propulsion systems and autopilot communication, data sharing and real-time monitoring.

Companies are turning to western-made options that are well-known and reliable for their open-source needs. "The partnership between Auterion and maxon provides access to the very best drone technology that also addresses impending federal legislation in the United States," said Kevin Sartori, co-founder of Auterion. "We're seeing utility companies and others that specifically require drone service providers to offer systems compliant with regulatory executive action. Ultimately, our open-source, software-defined ecosystem - built with outstanding partners like maxon - is what will instill greater trust in drone components and autonomous technologies."

Eugen Elmiger, CEO of maxon Group, said, "With our motors in NASA's Ingenuity helicopter, we flew on Mars. Now we are focusing on drones on Earth, which will play an important role in the automated future. I am very pleased that we are entering into a cooperation with Auterion, sharing our knowledge and experience so that we can better serve customers in the dynamic drone market. Their expertise in drone software coupled with our 60 years of experience as a global motor and drive specialist will generate promising solutions for the future."

With unique capabilities, unmatched expertise and a long, proven history of designing and developing high-precision electric DC motors and motion control modules, maxon is poised to make industry changing contributions to the drone market and the future of autonomous crafts.

Auterion’s expertise in developing complete drone software stacks comes from its unique experience building Pixhawk and shaping the PX4 autopilot software, which has become the most used open-source flight control system for autonomous aircraft in the world. Auterion’s Skynode, made in the U.S. and marking a next-generation advancement for the Pixhawk standard, supports all different types of airframes, versatile payloads controlled via an SDK, LTE cloud connectivity and advanced onboard computation and apps.

Sartori added, “This partnership marks a new phase in software-defined drones and open standardisation. Together with maxon, we’ll offer a complete set of components to build state-of-the-art drones that scale to meet enterprise needs.”

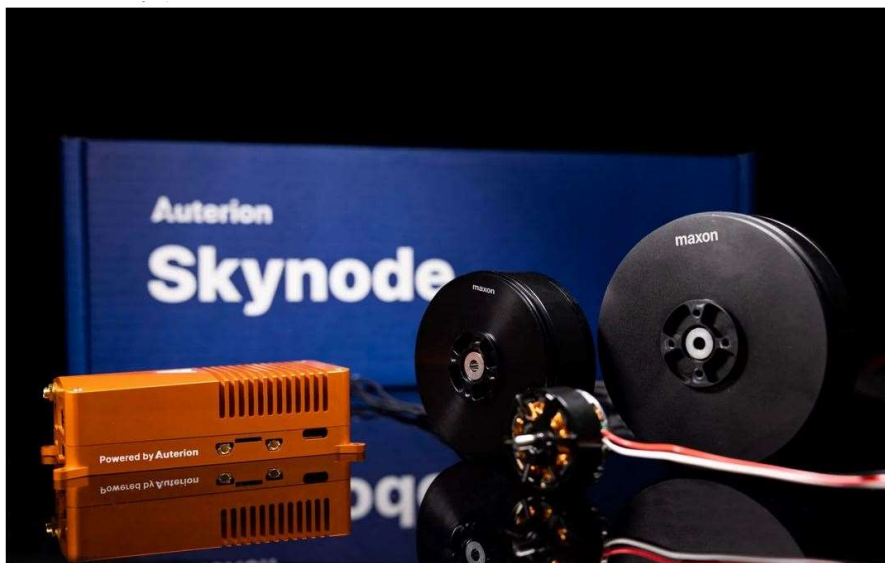
With proper integration, enhanced communication, easy-to-implement and high quality and safe products, drone development and fleet operation can be quicker, more efficient, economically viable and safer.

For more information visit: aerospace.maxongroup.com or [click here](#)

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The press release is available on the internet at: www.maxongroup.net.au



maxon and Auterion have partnered together to galvanise the drone industry
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The Swiss specialist for quality drives

maxon is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 3000 employees at nine production sites and is represented by sales companies in more than 30 countries.