



PRESS RELEASE

Flyability and IQ Motion Control announce partnership to build active collision tolerance into drones.

Swiss leader in indoor commercial applications, Flyability, and IQ Motion Control announce exclusive partnership to build active collision tolerance into drones for indoor commercial applications.

Chicago, IL - AUVSI XPONENTIAL – May 1st, 2019 – Flyability and IQ Motion Control publicly reveal the exclusive partnership they entered as part of the Elios 2 development to bring an active collision tolerant propulsion system to life.

Flyability's new drone, the Elios 2, offers a whole new level of image quality and an intuitive flight experience thanks to a brand-new technology that offers uncompromised collision tolerance even in the most cluttered indoor environments. While a protective frame fixed to the airframe keeps the propulsion system from being damaged by obstacles, IQ Motion Control's technology plays a significant role in quickly recovering a stable position in case of a collision. Coupled with IQ's motors, Flyability's unique patent-pending flight control algorithms provide unparalleled collision tolerance and peace of mind, which ultimately makes Flyability's drones the safest and easiest to use indoors.

IQ's motors have the ability to seamlessly reverse their direction of rotation and respond up to 4 times faster than standard motor/controller combinations. "IQ technology is the only one in the UAV market which allows eliminating zero speed crossing delays when reversing and enables extremely precise and reactive closed loop control of the propeller speed. The addition of significant gains in term of efficiency is also a big plus" says Tim Corti, a lead propulsion engineer at Flyability. In addition to the motor's reversibility and response time, IQ's motors are about 10% more efficient, 5% more powerful, and give access to a wide range of control parameters.

Given Flyability's role in helping to fund the development of the IQ motor module, Flyability has exclusive rights to IQ's technology in indoor commercial applications that involve collision tolerance. "Flyability saw the potential of our technology early on and has been working with us for over a year to get the technology ready for commercial use" says Jon Broome, one of the founders of IQ. "We're excited to see them thrive in this market and we'll continue working with them to push motor control technology forward."

About IQ Motion Control

IQ Motion Control is an American company that makes smart, professional-grade electric motors and controllers. With a unique combination of hardware and software, IQ optimizes motor performance and give users significantly more control over their vehicles.



About Flyability

Flyability is a Swiss company building solutions for the inspection and exploration of indoor, inaccessible, and confined spaces. By allowing drones to be used safely inside buildings, it enables industrial companies and inspection professionals to reduce downtime, inspection costs, and risks to workers. With hundreds of customers in over 50 countries in Power Generation, Oil & Gas, Chemicals, Maritime, Infrastructures & Utilities, and Public Safety, Flyability has pioneered and continues to lead the innovation in the commercial indoor drone space.

More information on www.flyability.com / @fly_ability

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