SKYCHARGE, powered by Green Motion and Pipistrel, is the world’s first OEM-independent electric airplane charger to be approved by the European Union Aviation Safety Agency (EASA).

LE MONT-SUR-LAUSANNE, SWITZERLAND - SKYCHARGE, powered by Green Motion and Pipistrel, has just become the world’s first OEM*-independent electric plane charger to be approved by the European Union Aviation Safety Agency (EASA).

The news comes after Pipistrel's Velis Electro aircraft received the first ever type certificate for an electric plane from EASA in June last year. The SKYCHARGE approval is another important milestone in the quest for environmentally sustainable aviation.
SKYCHARGE is built on Eaton's proprietary DC charging technology, bringing unrivalled conversion efficiency (higher than 96%), footprint, and power density charging infrastructure to electric planes and eVTOL (electric Vertical Takeoff and Landing) aircraft.

The charger is available either as a fixed version on a stand or with wheels for mobility. The SKYCHARGE mobile version powers both electric planes (via GB/T charger plug) and cars (via either CCS or CHAdeMO plug), without installation costs because the charger can easily be connected to an existing CEE socket.

SKYCHARGE is also the first charging station for electric airplanes with smart grid functionalities, being Vehicle-to-Grid (V2G) ready.

François Randin, Founder and CEO of Green Motion, which is now part of Eaton, said: "SKYCHARGE is the result of the partnership between Pipistrel and Green Motion - two companies with revolutionary ideas and cutting-edge solutions. By putting our world-class engineering teams together to shape and define the future of electric planes, we seek to deliver the best flying experience and significantly reduce the cost of flying, as well as air and noise pollution."

Eaton and Pipistrel are members of SAE International's AE-7D Aircraft Energy Storage and Charging Committee, which enables them to participate actively in the setup of an internationally accepted aerospace standard in e-flight charging.

*OEM means Original equipment manufacturer

About Eaton

Eaton’s electrical business is a global leader with expertise in power distribution and circuit protection; power quality, back-up power and energy storage; control and automation; life safety and security; structural solutions; solutions for harsh and hazardous environments; and engineering services. Eaton is positioned through its global solutions to answer customers’ most critical electrical power management challenges.

Eaton’s mission is to improve the quality of life and the environment through the use of power management technologies and services. We provide sustainable solutions that help our customers effectively manage electrical, hydraulic, and mechanical power – more safely,
more efficiently, and more reliably. Eaton’s 2020 revenues were $17.9 billion, and we sell products to customers in more than 175 countries. We have approximately 85,000 employees. For more information, visit www.eaton.com.

About Pipistrel

Pipistrel is a world-leading small aircraft designer and manufacturer, specialized in energy-efficient and affordable high-performance aircraft. With more than 30 years of experience, Pipistrel has produced more than 2,200 aircraft to-date, gaining significant international reputation by delivering unique, innovative products to passionate customers on all continents.

First-to-fly an electric two-seater in 2007, and the winner of the NASA Green Flight Challenge in 2011 with the world’s first electric four-seat aeroplane, Pipistrel has designed nine different experimental and serially produced electric aircraft. It has also developed propulsion systems, including batteries, power controllers and electric motors, for small and general aviation class of aircraft for NASA and Siemens, among others. With involvement in standardisation committees, i.e. ASTM F44.40, F39.05, SAE AE7-D, Pipistrel is helping to enable the future market of hybrid-electric aviation.

Pipistrel is the only company in the world currently selling four different electric aircraft models; the Taurus Electro, Alpha Electro and Alpha Electro LC are now being complemented by the EASA type certified Velis Electro.

Pipistrel Vertical Solutions, the company’s R&D division, holds an EASA Design Organisation Approval and has the capability of bringing a new aircraft design concept from a basic idea into a certified design, ready for production. The division is also developing electric and hybrid-electric eVTOL air taxi and unmanned cargo delivery UAVs, as well as a hydrogen fuel-cell powered 19-seat miniliner/microfeeder, aimed at revolutionising the intra-European transport market.

Learn more: https://www.pipistrel-aircraft.com/
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