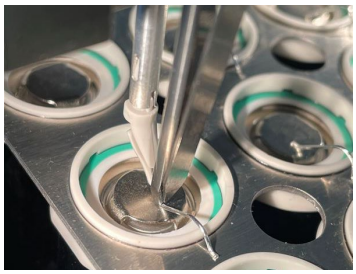
H55, THE FIRST COMPANY TO RECEIVE DESIGN AND PRODUCTION ORGANIZATION CERTIFICATION FOR ELECTRIC PROPULSION SYSTEMS, A HIGHLY CRITICAL MILESTONE IN CERTIFYING THE FULL ELECTRIC PROPULSION SYSTEM


Sion Switzerland, 23 June 2022. **H55 has been awarded its design organization approval (DOA) from the European Union Aviation Safety Agency (EASA). This follows the granting of the company's production organization approval (POA) by the Swiss Federal Office for Civil Aviation in January of this year. With the DOA and POA secured, the company is well-positioned to receive its type certificate for its 100kW electric propulsion system (EPS) targeted for CS23 aircrafts, foreseen for the end of 2023.**

Following the announcement whereby H55 was selected by Pratt and Whitney Canada for a major project in hybrid electric aviation, the company is advancing well with its technological development road map and is once again proving itself as a key enabler in electric aviation. Obtaining the DOA and the POA will allow H55 to design its electric propulsion system within a defined certification framework, as well as permitting the company to produce this system in series, satisfying aviation regulations and production requirements.

H55 is the only company aiming to certify the motor and batteries together as part of a Type Certificate (TC). H55's first EPS type certificate has already secured formal acceptance of its certification basis with EASA, and formal validations with other agencies such as US Federal Aviation Administration and Transport Canada Civil Aviation are underway.

Commenting on this major milestone, H55's Co-Founder and Executive Chairman, Andre Borschberg, "*with 19 years of experience developing 4 flying electric airplanes, and a highly skilled and talented team, the industry is increasingly calling on us, not only as an electric equipment supplier, but also for our expertise and know-how in integrating electric propulsion systems into airplanes. Having received both our DOA and POA is yet a further validation that our technology and track record is recognized by both the industry and regulatory authorities. As part of our strategy when we set up the company, H55 embraced certification as means towards fostering innovation, and clearly this approach paid off*".

H55 is the first and only company to have type certificates for electric propulsion systems as part of its design organization scope. The DO, PO, and the TC need to satisfy stringent requirements for both the electric propulsion unit (EPU) converting electrical energy into power, as well as the energy storage system (ESS), storing and delivering electrical energy to the EPU. H55 successfully demonstrated to the certification authorities that its in-house DO capabilities are applicable to designing, developing, flight testing, and producing electric propulsion systems including key technological components such as batteries, complex mechanical assemblies, software, and airborne electronic hardware.
Additionally, with 4 airplanes having been developed and flown, H55 has already demonstrated that its systems are safe and reliable. The TC will enable H55 to continue to provide its electric propulsion solutions suitable for a

range of existing designs and future aviation concepts. The company's EPS or its stand-alone ESS battery pack solutions which are modular, lightweight, and efficient are increasingly sought after by airframe manufacturers, airline operators, and component suppliers who are offering new electric models or retrofitting existing aircraft with the replacement of a conventional engine with electric propulsion.

About H55

H55 is the leading enabler for electric aviation with the mission of making air transport quiet, clean, and affordable. The core of H55's product offering includes a lightweight, modular, and certifiable energy storage and management system. H55 also offers a full electric propulsion system which encompasses the battery packs together with the motor, motor controller, pilot interface, and power controls. H55 will receive its type certificate by EASA for its 100-kW electric propulsion by the end of 2023.

As the technological spin-off of the Solar Impulse project, H55's proven track record includes having integrated and flown 4 electric airplanes. The company is therefore well-positioned to support its customers in developing and customizing its technology solutions for a wide range of applications suitable for both existing airplane designs and future concepts such as VTOLs and e-commuter aircrafts. To learn more visit www.h55.ch.

For more information:

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