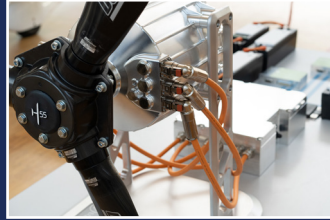


Electric Propulsion System and Battery Solutions for Electric Aircraft

H55



Lightweight



In certification



Modular



Technology mature
and validated in flight

For a wide range of applications*



General aviation



Retrofits



Commuters



New applications

*illustrative

Energy Storage System

Lightweight, safe, modular and certifiable energy storage and battery management system

Battery modules assembled in series and in parallel to meet power, voltage, and capacity requirements

Patented BMS and monitoring system connected to controls and indications

All interfaces to the propulsion system designed by H55

Proprietary packaging solution for the batteries satisfying DO-311C, DO160 certification standards

Designed according to DO178C, DO254 and ARP4754 processes

Sustains voltages up to 1250 V

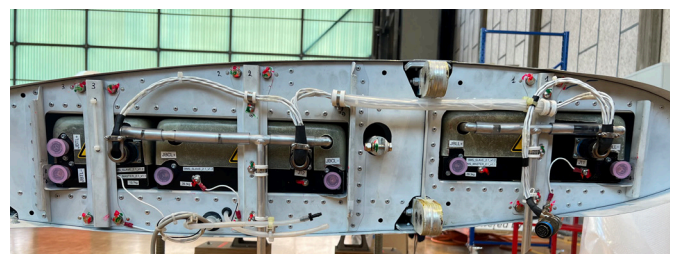
Energy density 200 Wh/Kg*

1500+ flight hours, depending on usage

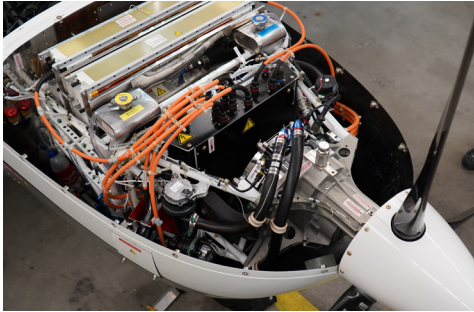
Standardised 21700 cell form factor



- Core, proprietary and patented technology
- Smart architecture to facilitate certification
- Modular and scalable for quick customization
- Automated assembly lines for high quality production
- Strong experience in integration including cockpit HMI interface



Electric Propulsion System



Overall system architecture and Integration knowledge



Highly integrated modular energy storage system



Central BMU with analog and digital aircraft interfaces

Technical Specifications



Certified electric propulsion system which includes the battery systems and the propulsion unit

To be installed on Part-23 normal, utility and commuter airplanes up to 19-seats

1500+ flight hours, depending on usage

Modular H55 EPS architecture up to 800V

Modular H55 ESS architecture up to 1250V

Single electric motor MTOP 104kW, MCP 80kW

EPS supplied on the B23 Energic, 70 minutes of endurance, including reserves with 48 kWh* of battery



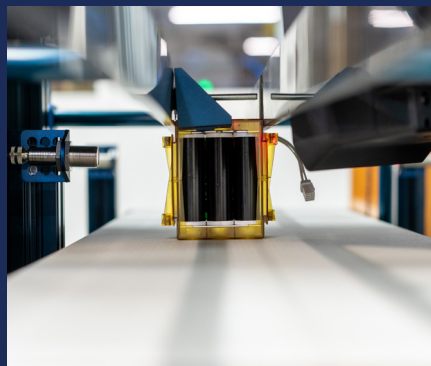
DOA granted and Compliance Checklist validated by EASA



EPS will be granted its Type Certificate (TC) suitable for Part-23 in 2027

Automated Production

POA granted by Federal Office of Civil Aviation



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*considering gen 2 battery modules

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