

Certification Challenges on a CS-25 Electric-Hybrid Aircraft

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Certification Conference

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Cologne

Some Background...



EASA

European Union Aviation Safety Agency

Heart Aerospace and the ES-30



An aerospace start-up in 2019; now 200+ team members from around 30 countries uniting to build our company

More than 460 commitments (orders and LOIs) from airlines and lessors in Europe, North America, Oceania



30 seat, electric-hybrid aircraft designed and built in Sweden, entering commercial service in 2028

350km/h cruise speed, 200km all electric range, 800km Reserve Hybrid™ range.



Our Journey



Reserve rules



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Our Challenges



To name a few:

- Regulatory framework under development, particularly on CS-25
- Means of compliance for novel technologies yet to be developed
- Propulsion battery considerations
- International harmonisation: authorities, regulations, standards

...and all that:

- Being a start-up company
- Building on the legacy of safety already established by consolidated OEMs



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Thank you!