Faster, Quieter, Safer, and Cheaper
Distributed Electric Propulsion and the Coming VTOL Revolution

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Properties of electric propulsion

- Motors are small and light
- Increased reliability and reduced maintenance
- Motors are relatively scale-free
- \( \sim 3 \times \) more efficient powertrain
- Wider useful RPM range
- Major noise reduction potential
S4 mass breakdown

- Battery: 35%
- Propulsion: 19%
- Payload: 21%
- Everything else: 25%
Siemens eAircraft 260 kW electric motor