

eVTOL – electric vertical take-off and landing



eVTOL is the trendsetting and future-oriented technology in the field of regional air mobility. Imagine a world which numerous electric aircrafts in the sky. eVTOL is a safe, quiet and sustainable aircraft solution which will revolutionize the speed and the comfort of regional passenger transport.

In order to bring this technology to acceptance and market maturity, it is necessary to take the appropriate development steps to meet the regulatory standards and to comply with the safety certifications established by the aviation authorities worldwide (EASA, SFAR, GACA, ...). The battery and powertrain technology must be reliable and stress-resistant to ensure safety and efficient operation of eVTOLs and also to increase flight ranges and speed.

Get your eVTOL ready for **certified operation and **serial production**.**



EA Test Systems

Turnkey systems for battery and fuel cell testing



- For testing of batteries on cell, module and pack level
- For testing of fuel cells
- High power level up to 1.92 MW
- High Power density with 180kW in a 42U rack
- Allows various tests to ensure functionality, safety and reliability of the DUT
- Very high efficiency of up to 96.5% saves energy costs
- Regenerative in load mode
- 1 ms communication speed (with EtherCAT)
- Rack Systems equipped with DC contactors and a 2 channel fast stop chain for safety
- Active pre-charge of output capacitors to avoid inrush currents

