

Mobility is becoming electric – on land, at sea and in the air



2015

First run of the SP260D – the world's most lightweight electric ¼ MW aircraft motor

Performance	
P_{cont}	= 260 kW
N_{max}	= 2500 rpm
M_{cont}	= 1000 Nm
η_{260kW}	= 95 %
Mass	= 50 kg
P/m	> 5 kW/kg

On April 7th, 2016, Airbus Group and Siemens AG have Signed a Long-Term Collaboration Agreement in the Field of Hybrid Electric Propulsion Systems

SIEMENS

SIEMENS

AIRBUS GROUP

Siemens is determined to establish hybrid-electric propulsion systems for aircraft as a future business.

“We believe that by 2030 **passenger aircraft** below 100 seats could be propelled by **hybrid propulsion systems...**”

Airbus Group CEO Tom Enders

- Both companies take a significant joint development decision
- Demonstrate the technical **feasibility of various hybrid-electric propulsion systems by 2020**
- Assemble **joint development team** of some 200 employees
- Prototype propulsion systems ranging from a few **100 kW up to 10 MW** and more
- for short, local trips with aircraft below 100 seats, helicopters or UAVs up to classic short and medium-range journeys.
- Target: breakthrough innovation in **aerospace e-mobility**