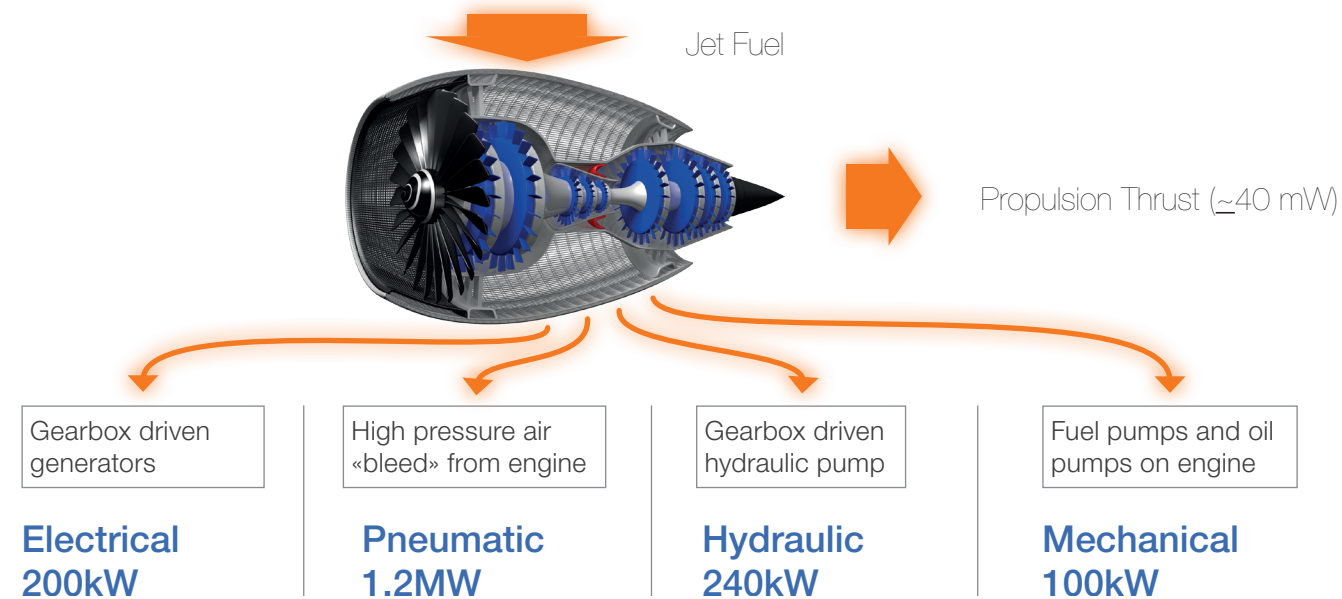


The More Electrical Aircraft



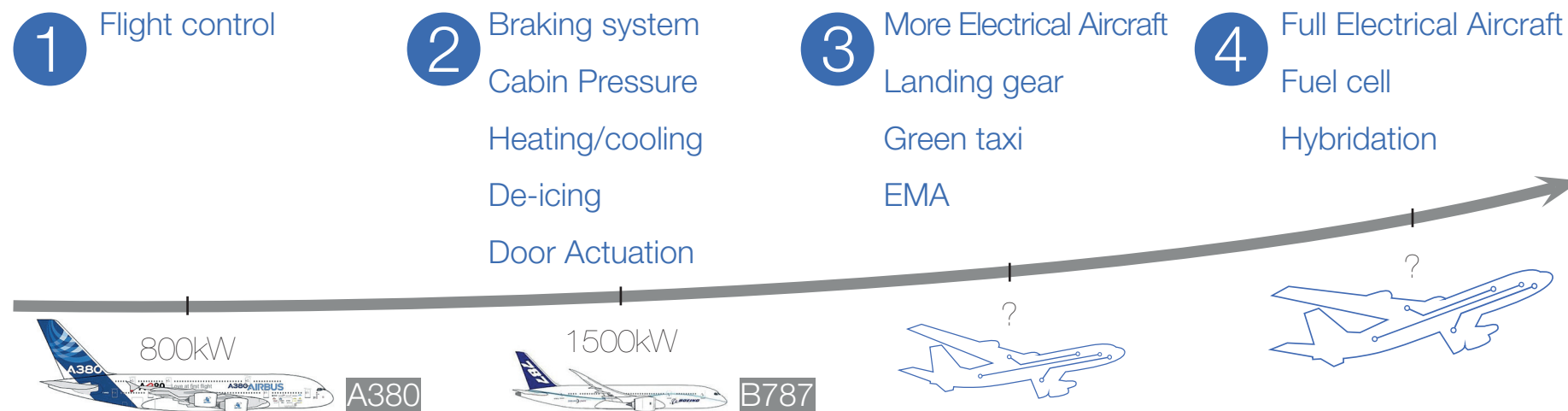
MEA GOALS

- Pneumatic removal
- Hydraulic removal



Figures for A330/B777 size

ELECTRICAL SYSTEM EVOLUTION



TRONICO'S CONTRIBUTION TO MEA

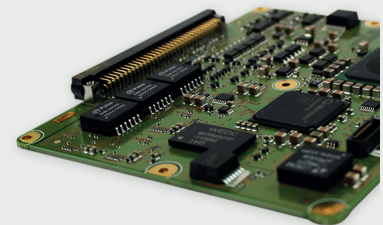
POWER CONVERTERS

- DC/DC converters
- AC/DC converters
- 0.5-500 kW
- Various inputs
- High power density



ACTUATION CONTROL & MONITORING

- Electronics for electro-mechanical actuator (EMA) for flight controls
- Health Monitoring
- Control & communication



BATTERY MANAGEMENT SYSTEM

- Monitoring & balancing
- Control
- Communication
- Lithium-based technology



Aeronautics standards (DO 254, DO 178 and DO 160) - Harsh environment - High range of temperature