

# LINECARD EVTOL AIRCRAFT





# **EVTOL AIRCRAFT AIRCRAFT PROTECTION SYSTEMS** >> Ice Protection & Deicing Systems (IPCU) **EVERYWHERE YOU ARE** >> Lightning Protection Systems YOUR SOLUTION PROVIDER **ENVIRONMENTAL CONTROL & IN-FLIGHT SYSTEMS POWER CONDITIONING SYSTEMS** >> Heating, ventilation, and air conditioning (HVAC) >> Battery Charge & Discharge Management, >> In-Flight Entertainment Systems (IFE) for high storage energy density >> Cabin Management Systems >> Battery Monitoring >> High Power Density & highly efficient >> Starter-Generator AIRCRAFT FLIGHT CONTROL SYSTEM >> Flight Control Computer (autonomy & simplification) >> Sensor & Control Systems >> Electrical Braking Actuation (EBAC) >> Electrical Backup Mechanical Actuator (EBMA) **POWER DISTRIBUTION & CONVERSION SYSTEMS**

### **Heritage Examples**



#### Drive/Actuation MCE -**Engine Control Units**

SSPC, Contactors, SSR

Motor-control electronics for drive units, such as electro actuators systems for flight control and propulsion drive systems.

>> Primary Hi-Voltage DC Bus Regulation to System Bus >> Secondary Lo-Voltage DC Bus Regulation to Payloads



#### **Battery Management**

Charging, discharging and monitoring power control units to manage the battery systems.



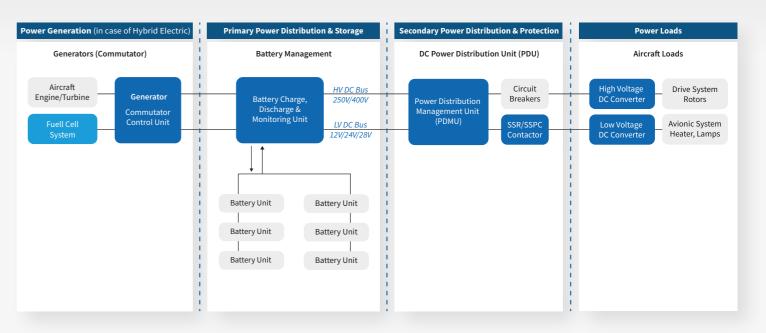
#### PCDU (SSR/SSPC)

Power Conditioning & Distribution Units to manage solid state with SSR/SSPC) the power distribution to the different loads of eVTOL/VTOL urban flight vehicles.



#### CDS

Cockpit Display System present flight and navigation parameters, as well as the communication between the crew and the various software applications.



**ELECTRIC PROPULSION SYSTEMS** 

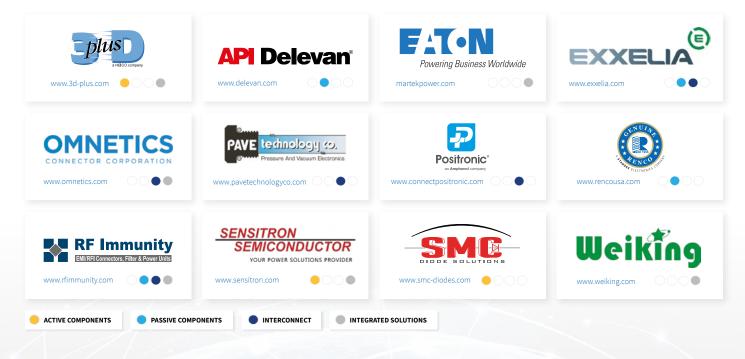
>> Distributed electric propulsion

>> Electrical motors w/wo integrated motor controller units (FADECs)

# **OUR PRODUCTS SUPPORT YOUR DESIGNS**



## **OUR SUPPLIERS**





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