



LINECARD **COMMERCIAL AVIONICS**



COMMERCIAL AVIONICS

EVERYWHERE YOU ARE

AIRCRAFT PROTECTION SYSTEMS

- » Ice Protection & Deicing Systems (*IPCU*)
- » Lightning Protection Systems

POWER GENERATION SYSTEMS

- » Main Electrical Power Generation
- » Starter-Generator
- » Auxiliary Power Units (*APU*)

ENVIRONMENTAL CONTROL & IN-FLIGHT SYSTEMS

- » Heating, ventilation, and air conditioning (*HVAC*)
- » In-Flight Entertainment Systems (*IFE*)
- » Cabin Management Systems

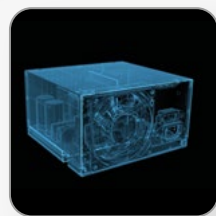
POWER DISTRIBUTION & CONVERSION SYSTEMS

- » Autotransformer Rectifier Units (*ATRU*)
- » Autotransformer Units (*ATU*)
- » Transformer Rectifier Units (*TRU*)
- » SSPC, Contactors, SSR

AIRCRAFT FLIGHTCONTROL SYSTEM

- » Engine Control Units (*EMCU/FADECs*)
- » Flight Control Computer
- » Control Sticks, Joy-Sticks
- » Sensor & Control Systems
- » Electrical Braking Actuation (*EBAC*)
- » Electrical Backup Mechanical Actuator (*EBMA*)
- » Electrical Thrust Reverser Actuation System (*ETRAS*)

Heritage Examples



Rudder/Slat MCE

Motor-control electronics for electrical 4-quadrant drive systems such as electro-hydraulic actuators (EHA), electro-mechanical actuators (EMA) and electrical backup hydraulic actuators (EBHA)



SCSC

Motor-control electronics for electrical cooling systems like SCSC Supplementary Cooling System Controller (SCSC) and air management systems.



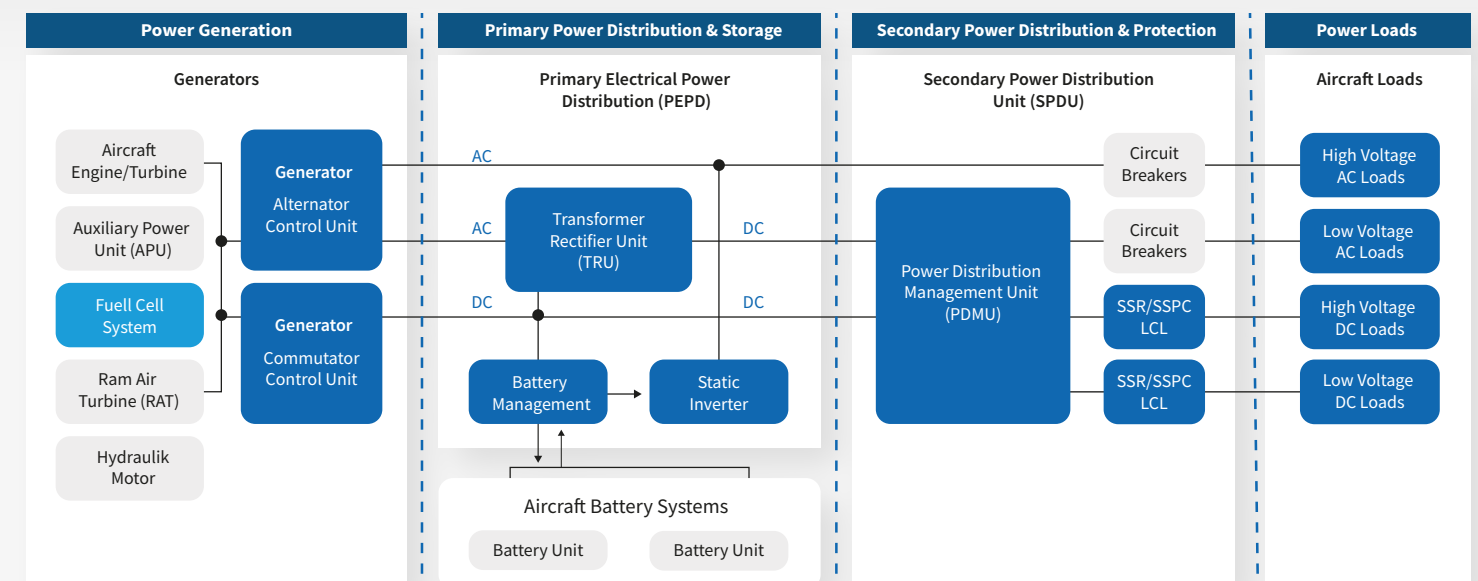
IPCU

Ice Protection Control units keep moisture from aircraft surfaces, such as wings, rotor blades etc. IPCU prevents formation of ice, or enables the aircraft to shed the ice before it becomes dangerous.



CDS

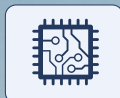
Cockpit Display System present flight and navigation parameters, as well as the communication between the crew and the various software applications.



OUR PRODUCTS SUPPORT YOUR DESIGNS

DATA MANAGEMENT

Data Acquisition, Processing & Handling



On Board
Computer



Mass Memory
(SSMM)



Sensors

MOTION MANAGEMENT

Generation, Motion & Actuation



Power
Generation



Motion
Control(er)



Engine
Control

ACTIVE COMPONENTS

INTERCONNECT

PASSIVE COMPONENTS

INTEGRATED SOLUTIONS

POWER MANAGEMENT

Data Acquisition, Processing & Handling



Power
Conversion



Power
Generation



Power
Distribution

ENERGY MANAGEMENT

Battery Management, Energy Distribution



Energy
Charging



Energy
Discharging



Energy
Distribution

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