GE Aviation's Remote Interface Unit
✔ EDF Emphasis

RIU technology acts as a network node, IO logic machine and data translator for the high integrity controller data network in the Boeing 787 fly by wire CCS system

Ability to define fail safe modes

Very small equipment footprint for amount of inputs/outputs offered

Electrical power distribution and control

Electrical generator control

Sensor and effector control and real time data conversion gateways

Maintenance only required annually for confirmation of performance

Continuous built in testing

Safety critical aviation design DAL A

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EDF emphasis assessment at SIL 3 for nuclear class 2 systems

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25 years' product support model

Through life obsolescence management

Hardware qualification examples for RFI to 136dBuV and vibration/shock to 20g

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DAL A software application design, test, and verification process for safety applications

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GE Aviation developed and owned operating system

EDF and GE Aviation: Solving obsolescence and offering long term support and low cost applications for UK Nuclear Power Stations and a low carbon future