

End User: Radian Inc.

Location: Worldwide use

Integrator/Supplier: SCADAware

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Introduction:

Radian was awarded the 10-year DPGDS (Deployable Power Generation & Distribution System) contract by the U.S. Air Force (USAF) Air Armament Center (AAC) at Eglin AFB, FL, in March of 1998. The purpose of the DPGDS is to provide the USAF and U.S. Army (USA) with an airlift deployable and/or over the road, highly reliable, and logistically affordable electrical power system of minimum size, weight, and fuel usage, thus reducing the size of aircraft and number of sorties necessary to deploy and sustain operations. This system affords U.S. military field commanders unparalleled flexibility in meeting a wide array of operational contingencies. Today, the Radian system design meets or exceeds every threshold of the DPGDS program requirements

Scope of Project:

The DPGDS adapts and integrates industry-proven, commercially available hardware components into a power generation and distribution system suitable for worldwide deployment as the USAF's next generation, air transportable, lightweight, electrical power system. The DPGDS components are also designed to be interoperable with existing equipment that will eventually be phased out of the defense inventory as the new DPGDS components are fielded.

Solution:

SCADAware, a certified SIXNET integrator, worked to create a unique product which they now sell as their own. Without any alteration to SIXNET's standard specifications, our products met and exceeded the military's temperature & vibration specifications for this deployable, rugged, distribution system.



Resulting Benefits:

The DPGDS has successfully completed all required contractor demonstration, verification, and characterization testing, and USAF conducted Qualification, Operation, Test, and Evaluation (QOT&E). System performance far exceeds the mission capability threshold of 90 percent specified in the USAF Operational Requirements Document. The USAF has placed production orders for DPGDS components with Radian and the Radian team is delivering this equipment ahead of schedule.