RADSTONE DIGITAL PROCESSING

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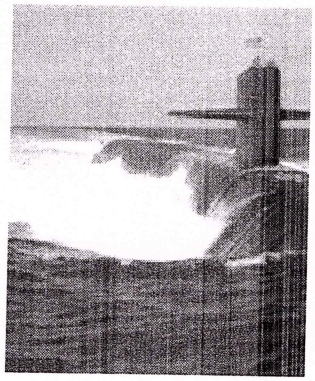
Program: Fire Control System (FCS) - TRIDENT Submarine

Customer: General Dynamics

Product: Fiber Distributed Data Interface (FDDI)



Radstone has worked closely with General Dynamics, Electric Boat division, to integrate our rugged COTS products into the prestigious TRIDENT submarine FCS program.

Radstone's high-speed Fiber Distributed Data Interface (FDDI) provides the ideal technical solution for satisfying rugged high-performance communication requirements. FDDI provides a robust, secure network topology with high bandwidth and powerful networking facilities, including fault tolerant features, which automatically ensures continuous operation.

The FDDI controller forms an integral part of the submarines upgraded computerized FCS, which is capable of launching up to 24 intercontinental ballistic missiles. Radstone' FDDI interface controller manages the primary transfer of information between the hardware and s designed to control and sequence the missile launch functions.

The SSBN-726 Ohio class submarines are specifically designed for extended deterrent patrols can carry 24 ballistic missiles fitted with MIRV warheads that can be accurately targeted an virtually anywhere in the world's oceans. The pressure hull provides an enclosure large enou crew and equipment with sufficient strength for deep-sea operation, enough to avoid easy det

Recent developments in the operational requirements of the modern battlespace have in modification program for the conversion of four Trident submarines to enable the delivery of attack cruise missiles.

For more information concerning this program:
http://www.gdeb.com/programs/
http://www.fas.org/nuke/guide/usa/slbm/ssbn-726.htm