



U.S. Army Corps
of Engineers®
Huntsville Center

FACT SHEET

May 2001



Ground Based Radar Facility at
Kwajalein Atoll

Missile Defense Support

Ballistic Missile Defense Program

Huntsville Center supports the Ballistic Missile Defense Organization (BMDO) (Director, LTG Ronald T. Kadish), on the National Missile Defense (NMD) and Theater Missile Defense (TMD) Programs. NMD is managed by the Program Executive Office for NMD (Program Executive Officer (PEO) MG Willie B. Nance) and TMD is managed by the Program Executive Office for Air and Missile Defense (PEO, BG John M. Urias). Efforts include conducting special studies and siting surveys, developing facilities requirements and criteria, preparation of facility designs and cost estimates, and managing engineering and design during construction for test and deployment facilities.

The Center is currently focusing on the NMD Program as it supports the BMDO NMD Joint Program Office (JPO). Huntsville Center was designated the Corps of Engineers' NMD Deputy Worldwide Program Manager for the NMD test and deployment facilities. On Dec. 15, 1998, the NMD JPO and USACE signed a charter formally linking the two offices as partners working to achieve system deployment. The Center is responsible for preparation of the detailed designs for all tactical and tactical support facilities for NMD deployment and Robust Test Facilities. Facilities included are the X-Band Radar and support facilities, ground based interceptor launch and support facilities, tactical operations and headquarters facilities.

The Corps of Engineers' NMD Team combines the talents and expertise of the Huntsville Center, the Alaska District, the Cold Regions Research and Engineering Laboratory, the Honolulu District and the Omaha District. This team will expand as necessary to use the Corps' full depth and capabilities.

In July 2000, the Honolulu District successfully completed construction of missile test facilities at the U.S. Army Kwajalein Atoll (USAKA). The Huntsville Center has completed 60% design for the Ground Based Interceptor Facility, 90% design is nearing completion for the X-Band Radar Facility, and the Antenna Mount Facility design is near 90% complete. Design for the In-Flight Interceptor Communication System Data Terminal Test Facility on USAKA was completed in May 2001 and Honolulu District is currently contracting for construction.

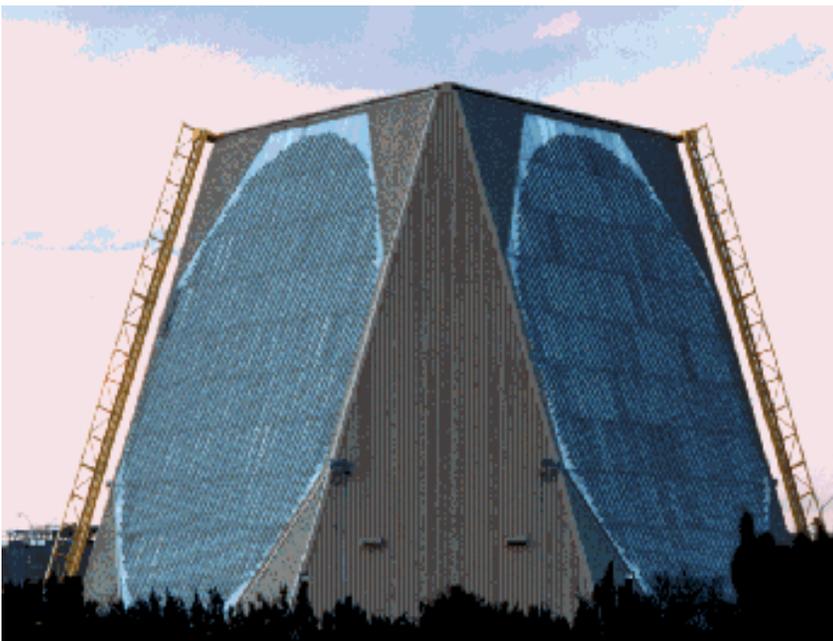
U.S. Army Space and Missile Defense Command (SMDC) Program

Huntsville Center continues its heritage of supporting ballistic missile defense by working with the Army's Space and Missile Defense Command. Present efforts center on support of advanced technology concepts, program planning and design of test facilities, and support for general planning for deployment.

Several projects are ongoing in the advanced technology area dealing with Nuclear Vulnerability and Hardening; Electromagnetic Pulse Support; Ground Motion; Hydrodynamics Calculation; Nuclear Weapons Effect Support; Hardened Silo Support; Command, Control and Communications; System Survivability Analysis; and support nuclear underground tests.

Background

In 1967, the Huntsville Center was established and assigned the mission of designing and constructing the SENTINEL/SAFE-GUARD missile defense system. After the cancellation of the SAFEGUARD Program in the early 1970s and until 1980, the Corps' involvement in the Ballistic Missile Defense Program consisted of keeping abreast of and advancing ballistic missile technology.



Early Warning Radar Facility



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