



POWER

Air Force asks Diversified Technologies to upgrade power electronics of Cobra Dane missile defense radar

Cobra Dane is a ground-based, 3-D, phased-array radar that provides mid-course coverage for U.S. Strategic Command's Ballistic Missile Defense System.

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... U.S. Air Force missile defense experts are continuing a long-term project to keep a 1970s-vintage strategic radar systems up and running with additional advanced power electronics technologies.

ARRANGED A \$18.7 MILLION CONTRACT TO UPGRADE THE SUPRA-PANE IN THE 1980S. THE SUPRA-PANE IS A PASSIVE ELECTRONICALLY SCANNED ARRAY INSTALLATION AT PETERSON AIR FORCE BASE, COLORADO, FOR MISSILE DEFENSE EARLY WARNING, MISSILE TREATY VERIFICATION, AND SPACE SURVEILLANCE. THE RADAR, WHICH STANDS 150 FEET TALL AND HAS A 25-FOOT DIAMETER FACE, BECAME OPERATIONAL IN 1977.

Related: Northrop Grumman to upgrade RF and microwave components in F-16 APG-83 AESA radar in \$18.7 million deal

DIVTECS TECHNOLOGIES WILL BUILD AND FACTORY-TEST AS MANY AS 11 NEW TRANSMITTER GROUPS FOR THE SUPRA-PANE RADAR, AS WELL AS INSTALL AND CHECK OUT THE FIRST THREE PRODUCTION TRANSMITTER GROUPS.

SUPRA-PANE IS A PASSIVE ELECTRONICALLY SCANNED ARRAY radar that provides mid-course coverage for U.S. Strategic Command's Ballistic Missile Defense System. The radar can detect sea-launched and intercontinental ballistic missiles, classify re-entry vehicles and other missile objects and track threats with enough accuracy to commit to launching interceptors and update in-flight targeting data.

THE CONTRACT TO DIVTECS TECHNOLOGIES ALSO CALLS FOR INSTALLATION AND TESTING INSTRUCTION AND OVERSIGHT OF THE SUPRA-PANE'S RECENT AND UPDATING PRODUCTION GROUPS AND TECHNICAL SUPPORT OF THE SYSTEM'S FIRST-STEP PRODUCTION TRANSMITTER GROUPS.

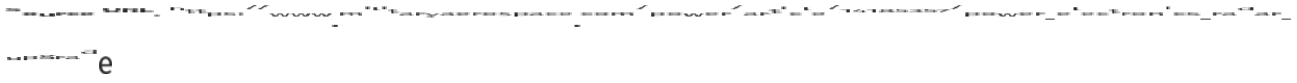
Related: Northrop Grumman to upgrade U.S. early warning military radar to help prevent ballistic missile attack

THE SUPRA-PANE RADAR, WHICH FACES WEST TOWARD THE RUSSIAN BALTIC STATES, FINLAND AND EUROPEAN RARE, OPERATES IN THE 1515-TO-1490-MHz FREQUENCY BAND. IT SENDS DATA TO THE NORTH AMERICAN AEROSPACE DEFENSE COMMAND (NORAD) AT PETERSON AIR FORCE BASE. IT CAN DETECT OBJECTS AS FAR AWAY AS 2,000 MILES.

IN RECENT YEARS SUPRA-PANE HAS TAKEN ON THE ROLE OF TRACKING DEEP-SPACE OBJECTS AS PART OF THE LARGER SPACE SURVEILLANCE NETWORK AND PROVIDES OBSERVATION DATA TO AGENCY COMMAND AND CONTROL NETWORKS.

ON THE CONTRACT DIVTECS TECHNOLOGIES WILL DO THE WORK IN BEVERLY HILLS AND STOWELLVILLE, OHIO BY SEPTEMBER OF 2025. FOR MORE INFORMATION CONTACT DIVTECS TECHNOLOGIES ONLINE

www.divtecs.com OR THE AIR FORCE LIFE CYCLE MANAGEMENT CENTER AT www.afcmc.af.mil.



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