

Diversified Technologies, Inc. Upgrades the Air Force Cobra Dane Missile-Defense Radar System

Diversified Technologies, Inc. (DTI) developer of PowerMod™ high voltage, high power pulse modulators, DC power supplies, and process control systems has delivered the first of 12 transmitters to the Air Force to upgrade Cobra Dane Missile-Defense Radar Systems. Cobra Dane is a ground-based, L-band, phased-array radar that provides midcourse coverage for the U.S. Strategic Command's Ballistic Missile Defense System.

BEDFORD, Mass. ([PRWEB](#)) June 07, 2022 -- Diversified Technologies, Inc. (DTI) developer of PowerMod™ high voltage, high power pulse modulators, DC power supplies, and process control systems has delivered the first of 12 transmitters to the Air Force to upgrade Cobra Dane Missile-Defense Radar Systems. Cobra Dane is a ground-based, L-band, phased-array radar that provides midcourse coverage for the U.S. Strategic Command's Ballistic Missile Defense System.

DTI's Transmitter Group Replacement for the Cobra Dane ground-based radar facility took place at Eareckson Air Station, Shemya Island, Alaska. Each transmitter group energizes, controls, and protects eight high-power, ring-bar type traveling wave tubes (TWTs). Individual RF outputs from each tube are input to a space-fed phased array antenna. The radar can detect sea-launched intercontinental ballistic missiles, classify re-entry vehicles, and track threats accurately.

According to Michael Kempkes, VP of Marketing at DTI, "The Cobra Dane contract was awarded after an initial prototype contract in 2019. The total contract for the 11 transmitters was \$71.1 million with deliveries taking place from June, 2022 through 2025."

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