

The logo features the word "delta" in a bold, lowercase, sans-serif font, with a white triangle pointing to the left behind the letter 'd'. To the right of the triangle, the word "RADAR" is written vertically in a bold, uppercase, sans-serif font, with each letter stacked on top of the other.

R  
A  
D  
A  
R

## NEXT LEVEL SUSTAINMENT

Duotech Services designs and manufactures fire control radar upgrades, offering **AFFORDABLE** and **LONG-TERM** alternatives to aging OEM systems.

FIRE CONTROL

WEATHER

ELECTRONIC COUNTER-  
COUNTERMEASURE (ECCM)

GMTI & SAR

AUTOMATED SEA MODES

TRACK: LAND, SEA, AND AIR

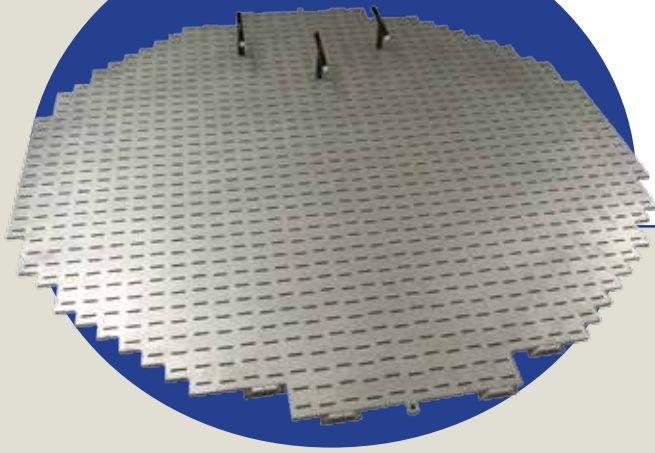
- ★ Retains basic system-level configuration of current APG-66 and APG-68s
- ★ Consolidates LPRF and Processor into one LRU
- ★ Retains all core radar modes
- ★ Does not require physical or electrical modifications for F-16 and many other platforms
- ★ Applications with minimum modification



REQUEST MORE INFORMATION BY CALLING **828-369-5411** OR BY VISITING OUR WEBSITE AT

**DELTARADAR.DUOTECHSERVICES.COM**

**ANTENNA**



- ★ Updated control electronics to mitigate current component obsolescence
- ★ Duotech manufactured slotted arrays and waveguides
- ★ Overall MTBF greater than current systems

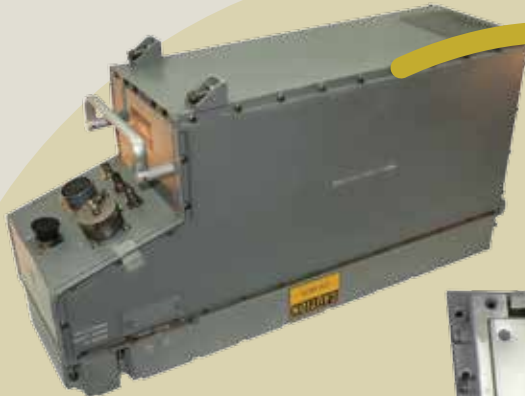
**Delta Radar Transmitter**

- ★ Solid State Transmitter provides graceful degradation. No single point of failure so radar can continue to operate.
- ★ High reliability (MTBCF up to 10X). Mean Time Between Critical Failure increases by magnitudes over tube based transmitter.
- ★ Lower sustainment cost due to less frequent failures and modular design. Up to 90% Reduction in Operation & Sustainment costs
- ★ High reliability, high efficiency transmitter leads to greater operational readiness. Lower phase noise and higher CIF
- ★ Lower Out-of-Band Emission to reduce interference from adjacent radar and other transmitters.

**Current Transmitter**

- Single point of failure tube based technology
- Low Mean Time Between Critical Failure
- Expensive to remove, repair and replace
- Operational readiness is decreased

**TRANSMITTER**



**SDP** → **LPRF**



**LPRF and Processor**

- ★ Consolidate functions into one LRU
- ★ Replace all RF SRUs with state-of-the-art technology (excluding LNA)
- ★ Replace all digital SRUs with Duotech designed modules
- ★ Calculated MTBF >10,000 hours



**RECEIVER/PROCESSOR**

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