ELECTROMATIC INCORPORATED

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ETM Capabilities Update

ETM RADAR/Modulator Upgrades





What It Is

Many of the high-power RADAR systems developed in the ‘50s, ‘60s, and ‘70s are showing their age. ETM offers both Fit-Form-Function replacement and subsystem upgrades that allow these RADARs to continue their mission for many years to come.

- Power
- Fidelity
- Indoor/Outdoorx
- FFF Replacements
- Subsystem Upgrade

Notable Specs & Features

Tailored to meet each customer’s specifications

- Up to 15MW Pulsed Power
- Exceptional Pulse-to-Pulse Fidelity
- Short Rise/Fall and Excellent Flatness
- Legacy Performance Match or Better
- Legacy System Size or Smaller
- Solid State or VED as needed
- Ground, vehicle, naval, or airborne

Why It’s Important

Smaller defense budgets are keeping RADAR systems in service many years past their original retirement dates.

- Far less expensive than new system development
- Increased performance and capability
- Redundant pair can often fit in same space
- Upgrades reduce obsolescence concerns
- New designs emphasize LRU architecture, simplifying maintenance and providing better up time.

Potential Markets/Customers

Companies/Countries with a legacy of high-power systems not yet replaced with AESA:

- “Primes” and governxment organizations tasked with long-term operation of RADARs
- Ground and naval systems in kW and MW range
- High altitude and LEO threat detection and tracking
- Systems in operation beyond their original lifespan

Additional RADAR Subsystems Available

In addition to complete systems, ETM offers upgrades to subsystems that can significantly improve performance:

- Power Supplies
- High Voltage Modulators
- Cooling Systems
- Control and Performance Data Systems
- Obsolescence Replacement

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