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## AN/TPS-43/70/75 Transmitter Modernization Kits

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Diversified Technologies, Inc. has introduced a new series of AN/TPS-43/70/75 transportable radar transmitter upgrade kits that replace all outdated components with solid-state components.

DTI PowerMod™ transmitter upgrade kits deliver a complete solid-state modulator to replace the thyristor, trigger amplifier, regulator, pulse forming networks (PFN), pulse transformer, SF6 tank, and oil tank used in the AN/TPS-43, 70 and 75 family of air surveillance radars. The radar upgrade kits replicate the original transmitter functions and feature enhanced pulse agility from 0-8  $\mu$ s. These radar upgrade kits provide reliability measured in decades.

Incorporating a modulator with a solid-state series-switch design, benefits of the DTI PowerMod™ AN/TPS-43/70/75 upgrade kits include retention of existing interfaces, potential for future interface expansion through Ethernet, PLC control with circuit board high-speed fault detection, built-in self-diagnostics, touch-screen interface, simplified turn-on procedure, and control board access from outside of the transmitter cabinet.

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