

Specialized Arrays Inc

adaptive arrays solutions

First and only proven widely-spaced coherent transmit & calibrated receive arraying technology; Self-Controlled, No need for external sources

Provides strategic advantages for DoD, Intel and DHS missions

- Global GEO-monitoring Radar
- Resilient Comm
- Space Situational Awareness Radar
- Directed RF Energy
- On-the-Move, quick deployable, Over-The-Horizon
- Deep Space Comm

Platforms: Ground, Air, Space, Sea

CORE COMPETENCIES

- Domain experts: widely-spaced transmit & calibrated receive arraying
- Superior signal intelligence methods (SIGINT)
- Hi-fidelity Mathematical Modeling & Simulation
- Co-channel interference mitigation, environment characterization

PAST PERFORMANCE

- The principals, Dr. G. P. Martin and Ms. K Minear have 40+ years hands-on, end-to-end system experience; over 40 patents
- 1970s - 2005: Adaptive receive arraying & advanced signal processing
- 2005 - present: Adaptive widely-spaced transmit arraying
- 2008: Demonstrated conformal body spacecraft arraying technology
- 2010: Demonstrated widely-spaced transmit and receive arraying
- 2011: NASA Exceptional Engineering Achievement Medals
- 2015: Patented SDA radar array (9,989,634, 2018)
- 2015 - present: Various arraying studies for COMM, radar, EW, SSA
- 2016: Patented resilient COMM array (10,270,506, 2019)
- 2019: Patent-pending GEO monitoring radar (2019)
- 2019: Patent-pending ECM, EW, Radar Tetrahedral array (2020)

Cage Code: **6N0E1**

DUNS Number: **078355857**

NAICS Codes: **541715**

Socio-Economic Status: **WOSB**

Arraying
2011



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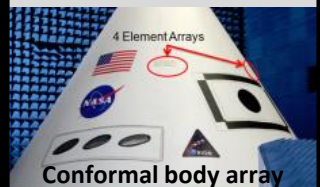
Coherent transmit/receive



Space Domain Awareness



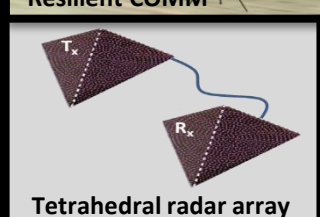
Over-The-Horizon



Conformal body array



Resilient COMM



Tetrahedral radar array