

## BUSINESS SNAPSHOT

- Federal RF & wireless telecommunications integrator
- SBA 8(a) certified small business
- EDWOSB · WOSB
- Top Secret facility clearance (FCL)
- Established 2012 · Washington, DC metro

## CODES

UEI CGSVRXLGLNL5

CAGE 6ZZ17

NAICS 541330 (primary), 541512, 517111, 517112, 334220, 237130, 238210

## CERTIFICATIONS

- SBA 8(a) · EDWOSB · WOSB
- Top Secret Facility Clearance
- MDOT MBE/DBE/SBE #14-383
- MD SBR #SB12-26676
- VA SBSD DBE #713201
- PG County MBE/CBSB #14-10005

## CONTACT

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## Who We Are

TechSentials, Inc. is a federal wireless telecommunications and RF engineering integrator. Established in 2012 and headquartered in the Washington, DC metro area, we design, deploy, and sustain the mission-critical communications systems defense and civilian agencies depend on — from RF design through implementation, cut-over, and 24/7 operations. Our engineers bring 32+ years of wireless leadership and a decade of continuous, competitively re-won performance on some of the government's most secure campuses.

## Core Competencies

### RF Design Engineering

Wireless systems engineering, needs assessment & strategic planning, solutions design, interoperability, coverage planning & testing, microwave path analysis, PIM mitigation, FCC licensing & spectrum services.

### Technology Integration & Optimization

Installation, upgrades & modifications, wireless site & tower services, line & antenna sweep testing, low-voltage wiring & fiber, testing & commissioning, R56 standards.

### Cyber Supply Chain Risk Management

ICT supply-chain security aligned to NIST SP 800-161 & 800-171 — vendor/OEM vetting, controlled data access, and secure sourcing shipped direct to the requiring organization.

## Why TechSentials

- **32+ years** of RF/wireless engineering leadership
- **Zero cost overruns** across \$10M+ in federal contracts
- **Top Secret** facility clearance & cleared personnel
- **10+ years** at DHS St. Elizabeths — 3 competitive re-selections
- **99.9%+ uptime** on mission-critical public-safety systems
- **8(a) direct award** — fast, low-risk sole-source procurement

### In-Building Wireless / DAS & P25 LMR

iDAS/oDAS design & lifecycle replacement, multi-carrier cellular + FirstNet + LMR integration, P25 trunked simulcast networks, IFC/NFPA (ERRCS) fire-code in-building wireless.

### Project / Program Management

Program planning & management consulting, scheduling & scope, governance & stakeholder management, risk & issue management, cost estimating & procurement, QC, deployment management.

### Technical Training

Radio codeplug design/programming/key encryption, wireless systems design, LMR & broadband technologies, cabling preparation & installation.

## TRUSTED ACROSS FEDERAL MISSIONS



## Past Performance

### DHS St. Elizabeths — Consolidated Headquarters

RF Engineering & Wireless Systems Technical Lead · subcontractor to GDIT · 2016–present

A decade of continuous support across three competitively re-won programs (TIP → SETS I → SETS II) for ~18,500 employees across 23 sub-agencies: campus-wide P25 UHF simulcast LMR, a multi-position dispatch operations center, 200+ subscribers, and multi-phase in-building DAS across 15+ buildings integrating multi-carrier cellular with FirstNet. Results: 99.95% LMR availability, zero Corrective Action Requests, zero security breaches, 100% on-time milestones, zero cost overruns.

### DISA JSP J6 — Pentagon & Mark Center

RF Engineering & Implementation · core team, subcontractor to 3Links Technologies

Lead RF engineering to replace aging analog DAS with modern IP-based digital DAS for public-safety LMR across DoD's most complex facilities — the Pentagon, Mark Center, Defense Health HQ, and National Guard Bureau. Scope: RF propagation modeling over millions of square feet, PIM mitigation, fiber-backbone reconfiguration, phased deployment, and 24/7 O&M targeting 99.99% uptime in full DoD/NFPA/IFC compliance.

### National War College / NDU — Fort McNair

Wireless Modernization · subcontractor to prime OSC Edge

RF surveys, wireless design, deployment support, and documentation for the National Defense University / National War College wireless modernization at Fort Lesley J. McNair.

## Service Offering

### Wireless Design Engineering

End-to-end design and technical leadership using world-class network-design models and tools, considering migration and future-expansion for flexible, scalable solutions.

### Project / Program Management

Accurate coordination and resource management so each project fits its enterprise-wide program and delivers on schedule and on budget.

### Procurement & 3rd-Party Coordination

Vendor evaluation and RFP development, helping clients select the right equipment and staying engaged as liaison after purchase.

### Technology Integration & Optimization

Install, power, load, and test each subsystem into a functional network, then optimize through continuous testing and monitoring before delivery.

### Construction Management / Deployment

Ensuring the build matches design and client specifications — completed on schedule, safely, and within budget.

### Operations & Managed Services

24/7 monitoring, remote diagnostics, preventative maintenance, and rapid emergency response sustaining mission-ready systems.

## How to Work With Us

As an SBA-certified 8(a) firm, agencies can award TechSentials sole-source contracts directly — quickly and without a competitive-protest window (non-protestable, up to \$4.5M). We support Firm-Fixed-Price, Time-&-Materials, Labor-Hour, and Cost-Reimbursement task orders.

## Technologies

- 5G & 6G Cellular
- CBRS & Private LTE
- In-Building DAS
- Wi-Fi (WLAN)
- Broadband Data
- Public-Safety LMR (P25)
- Wireless IP Telephony
- Microwave
- Satellite