



Past Performance Contracts

RADAR | DEPOT | SATCOM



Past Performance Contracts

TSS Solutions has decades of experience built on our three core lines of business:

Radar Solutions

Depot Repair Solutions

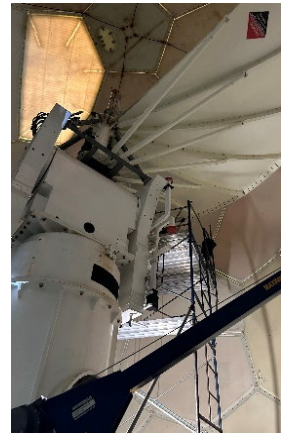
SATCOM Solutions

Radar Solutions

NOAA WSR-88D Radar Antenna Pedestal Refurbishment

The Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Weather Service (NWS), and Radar Operations Center (ROC) contracted with TSS Solutions to provide a Service Life Extension Program (SLEP) for WSR-88D Radar Antenna Pedestal Refurbishment (WRAPR).

The WSR-88D pedestal is located within the radome and provides support for the antenna dish that supports the transmission and reception of radio frequency (RF) radiation, which is further processed into weather data. The towers range in height from 5 meters to 30 meters. The antenna pedestal is a 22,000-pound assembly of mechanical gearing and electrical drive motors that move the antenna in both azimuth and elevation to execute volume coverage patterns commanded by the system user.



TSS Solutions services more than 160 Weather Radars around the world.

TSS Solutions provides management, labor, material, logistics, transportation, manufacturing, field engineering, and operations for 166 Weather Radars around the world.

PAST PERFORMANCE INFORMATION SHEET			
Contractor	TSS Solutions	DUNS Number	628023418
CAGE Code	OSKB3	Contract Number	RA133W18CQ0019
Contract Type	FFP	Program Title	Weather Radar Antenna Pedestal Refurbishment
Contracting Agency / Customer	Department of Commerce, NOAA	Contractor's Role	Prime
Original Value	\$39,282,401.00	Current Value	\$38,574,500.00
Original PoP	3/22/2018 to 01/01/2022	Current PoP	3/22/2018 to 01/01/2022
Place of Performance	166 WSR-88D Radar sites around the world		
Program Manager	Name: Gary T. Harper Address: 1200 Westheimer DR. Norman, OK. 73069 Phone: 405-573-3309 Gary.T.Harper@noaa.gov	Contracting Officer	Name: Sue Bratton Office: PK Address: Western ACQ Div 7600 Sand Point Way NE, BLDG 1, Seattle , WA 98115 Phone: 303-497-6155 Sue.Bratton@noaa.gov

Canada Department of National Defence Contract

TSS Solutions performed repair, overhaul, and depot-level maintenance of the TPS-70 Tactical Control Radars and shelters located in Canada, keeping them in serviceable condition.

Our team performed on-site evaluations, recommendations, repairs, and upgrades on the TPS-70 systems at Cold Lake and Bagotville, Canada. Both units were upgraded/overhauled at the TSS Solutions facilities in Melbourne, FL. The systems were reassembled, tested, and put back into operation in Canada.

TSS Solutions designed, developed, procured, integrated, and delivered a modern solution to the legacy Plan Position Indicator Scope (Radar Display Consoles) for the TPS-70 Radar systems in Canada. This was a Form-Fit-Function (FFF) replacement for the legacy TPS-70 display consoles. This work also required receipt, inventory, handling, packaging, kitting, distribution, transport, material, spares, supplies, and repair items. In addition, TSS Solutions shipped two TPS-70 Radar systems from Canada to our Florida facilities, and then back to Canada. We developed supply chain management concepts, a maintainability assessment, and a logistics plan, including sustainment, life-cycle support, and inventory management. Additionally, TSS Solutions provided logistics engineering services, including engineering, integration, testing, and evaluation of the TPS-70 Radar systems. TSS Solutions provided new equipment and operator training in Canada to the Canadian Radar Squadron.

PAST PERFORMANCE INFORMATION SHEET			
Contractor	TSS Solutions	DUNS Number	628023418
CAGE Code	OSKB3	Contract Number	W8485-184503/001/BQ
Contract Type	T&M/FFP	Program Title	Repair and Overhaul of TPS-70 Radar Systems
Contracting Agency / Customer	DEPARTMENT OF NATIONAL DEFENCE	Contractor's Role	Prime
Original Value	\$4,904,320.00	Current Value	\$1,804,320.00
Original PoP	11/22/2016 to 12/04/2018	Current PoP	12/05/2018 to 01/21/2024
Place of Performance	TSS Solutions, Melbourne, FL Cold Lake, Canada Bagotville, Canada		

Mobile Air Surveillance System (MASS) Contract

TSS Solutions has provided TPS-70 long-range Radar system operations, supervision, mission support, logistics, transportation, warehousing, site support, refurbished/remanufactured spare parts, and fully refurbished Radar systems, technical upgrades, and comprehensive, complete depot maintenance and repair services. TSS was on contract for operations and maintenance of the prime mission and support equipment, consisting of the TPS-70 Radar system, communication infrastructure, facilities maintenance, and satellite Earth terminals. TSS Solutions maintained an Operational Reliability Rating of 99.5% or above for each MASS circuit. TSS Solutions repaired, refurbished, modified, upgraded, overhauled, and installed components on the TPS-75 Radar systems and mission support systems to keep them in serviceable condition and fully mission-capable.

TSS Solutions managed the movement of Radar systems, personnel, equipment, material, and supplies between CONUS and OCONUS locations. These movements were meticulously coordinated with AMIC and customer personnel. In addition, we employ qualified personnel who manage U.S. Customs Export Licenses. We provided engineering support for purchasing, transporting, storing, distributing, and warehousing materials and equipment. TSS

Solutions provided training associated with the equipment on the MASS contract, including new equipment training, operator training, and maintainer training. This training, including documentation, was provided in the language of the host nation personnel. We provided mission management services that contributed to DoD strategic, operational, and tactical support to Combatant Commands, DoD organizations, and law enforcement agencies, supporting their mission

The contractor's superior audit performance significantly reduced program risk.

– CPAR, Sept. 2018

to disrupt and degrade adversary networks linked to transnational criminal and terrorist organizations.

TSS Solutions provided a Program Manager (PM) who was the single point of contact and assumed total performance responsibility for all matters under this contract. We delivered all required MASS contract deliverables on schedule. During the PoP of the MASS contract, TSS managed and responded to short-notice tasks or suspension, operational constraints, and other potential impacts to maintain operational and schedule requirements. We maintained a secure web-based Management Information System for accessing program management information, management reports, maintenance tracking, program data, and document repository.

TSS Solutions utilized our ISO 9001-2015 certified QMS integrated into every aspect of our management approach to providing and ensuring that products and services met contract specifications and requirements and were delivered and accepted by the Government.

We developed and implemented a data management program with controls to address the quality of data preparation, compliance with specifications, timely submittal, maintenance, and tracking of all data deliverables, data products, and related correspondence. We employ a Quality Manager and an ASQ Certified Quality Auditor (CQA). Based on the importance of ITAR, our M.L.M. has established mandatory training for all parties involved in export compliance twice a year and annually for all other personnel in the company.

The contractor's customer service was exceptional.

– CPAR, Sept. 2018

PAST PERFORMANCE INFORMATION SHEET

Contractor	TSS Solutions	DUNS Number	628023418
CAGE Code	OSKB3	Contract Number	FA4890-14-C-0013
Contract Type	FFP	Program Title	Mobile Air Surveillance System (MASS)
Contracting Agency / Customer	Counternarcotics and Global Threats (CN>), USAF ACC AMIC/ PMTA	Contractor's Role	Prime
Original Value	\$71,844,591.00 (Awarded)	Current Value	\$46,758,717.00 (Funded)
Original PoP	10/01/2014 to 9/31/2019	Current PoP	10/01/2014 to 3/31/2020
Places of Performance	<div> <div> TSS Solutions, Melbourne, FL Belize, GBR Orange Walk (Radar/SATCOM) Colombia, Bogotá (SATCOM) Colombia, Tres Esquinas (TADIL) Costa Rica, Cerro Azul, (SATCOM/TADIL) Costa Rica, GBR Liberia (Radar/SATCOM) Curacao (LG / Tech Support) Dominican Republic (IP) El Salvador (IP) </div> <div> Guatemala, GBR San Jose (Radar/SATCOM) Guatemala, Guatemala City (IP) Jamaica (IP) Mexico, GBR Hermosillo (Radar/SATCOM) Panama (IP) US, Davis-Monthan AFB (SATCOM) US, Dobbins ARB (LG/Tech Support) US, JIATF-South Key West (SATCOM) </div> </div>		

***Operations and Maintenance of the TPS-70 Radar Site
at Liberia, Costa Rica Contract***

TSS Solutions provided program management, supervision, personnel, site improvements, operations and maintenance, mission support, and Measurement, Analysis and Improvement (MA&I) required to achieve Operational Availability (Ao), Equipment Reliability (E.R.), Radar coverage, and data integrity required by users of a TPS-70 Radar site in Costa Rica. Our personnel repaired, refurbished, modified, upgraded, overhauled, and installed components on the TPS-70 Radar system, keeping it in serviceable condition. TSS Solutions implemented a Maintenance Control Plan (MCP) for the TPS-70 Radar system and all Government equipment, support equipment, communications-electronics (C-E) equipment, and real property similar equipment (RPSE). We performed all scheduled and unscheduled maintenance on all equipment IAW Technical Orders and manuals. TSS provided engineers and technicians at the operational site in Costa Rica with reach-back support to our Florida facility. We provided new equipment, operator training, Radar operations, and Engineering Subject Matter Experts (SME's) to facilitate and oversee training and equipment orientation for the Costa Rica Host Nation personnel.

PAST PERFORMANCE INFORMATION SHEET			
Contractor	TSS Solutions	DUNS Number	628023418
CAGE Code	OSKB3	Contract Number	OASIS Prime Contract #GS00Q14OADU313; SOUTHCOM C4ISR TO #47QFCA19F0003, TO #47QFCA18F0118 Subcontract to Smartronix 18AR34S, TDL 03 Subtask L
Contract Type	T&M/FFP/CR	Program Title	Operations and Maintenance of the TPS-70 Radar Site at Liberia, Costa Rica
Contracting Agency / Customer	OASIS Prime Contract #GS00Q14OADU313, SOUTHCOM	Contractor's Role	Subcontract to Smartronix
Original Value	\$1,114,000.00	Current Value	\$1,114,000.00
Original PoP	09/14/2019 to 2/17/2020	Current PoP	09/14/2019 to 2/17/2020
Place of Performance	TSS Solutions, Melbourne, FL. Liberia, Costa Rica.		

TPS-75 Technical Refresh Contract

The scope of this effort included design, development, acquisition, procurement, integration, refurbishment, modification, upgrade, overhaul, installation, documentation, capability verification, validation, and delivery of operational and maintenance component replacements to meet the form, fit, and function for five subsystems in the TPS-75 Radar system. TSS Solutions' work was designed to meet the modern operational demand of the TPS-75 Radar system while ensuring reliability and maintainability and decreasing overall obsolescence, such as Diminishing Manufacturing Sources and Material Shortages (DMSMS). The specifically targeted subsystems for this effort were the Situation Display Console (SDC), Signal Processor/Post Processor (Signal and Post Processor), Transmitter and associated High Voltage (H.V.) operational and maintenance subsystems (Transmitter Room), Selective Identification Feature/Identify Friend or Foe (SIF/IFF) Interrogator Set (Interrogator), High Power Radio Frequency (RF) Rotary Joint. All five subsystems were complete "plug and play," Form-Fit-Function upgrades. TSS is on contract to provide new equipment and operator training to the USAF Test organization at TSS facilities in Melbourne and other deployed sites around the globe. TSS will provide Radar operations and engineering SME's to facilitate and oversee training and equipment orientation.

PAST PERFORMANCE INFORMATION SHEET			
Contractor	TSS Solutions	DUNS Number	638023418
CAGE Code	OSKB3	Contract Number	Contract # NNG15SC81B Order# FA8217-20-F-0380
Contract Type	FFP	Program Title	TPS-75 Technical Refresh
Contracting Agency / Customer	NASA Solutions for Enterprise-Wide Procurement (SEWP) / AFLCMC/HBZID	Contractor's Role	Subcontract to M2 Technology
Original Value	\$4,300,000.00	Current Value	\$4,300,000.00
Original PoP	08/01/2020 to 08/01/2021	Current PoP	08/01/2020 to 08/01/2022
Place of Performance	TSS Solutions, Melbourne, FL		

Ecuador TIGAR Contract

TSS Solutions was awarded a contract in June 2023 through the Defense Logistics Agency with U.S. Navy's Program Executive Office Command, Control, Communications, Computers, and Intelligence (C4I) Program Management Warfare Office (PMW 740). This contract will deliver a completely modernized (new) Radar system for the Ecuadorian Air Force, Fuerza Aérea Ecuatoriana (FAE).

TSS Solutions is providing a fully upgraded and modernized AN/TPS-43 Radar system, labeled the TSS Integrated Ground-Based Air Radar (TIGAR). The TIGAR is equipped with TSS Solutions-designed and integrated, state-of-the-art subsystems, including a new processor, delivering significantly improved performance, reliability, and operability over the current AN/TPS series of Radar systems.

With TIGAR, TSS Solutions has added a significant number of emerging technology upgrades to the TPS-43 Radar system that greatly improves the air surveillance detection, tracking and classification for our partner nations. Our Radar Depot enables cost-effective technology insertions that greatly extend the service life of air surveillance Radar systems. Our field service teams conduct installation and training required to assist our defense partners. Having completed upgrades of the TPS-70 and TPS-75 for the U.S. Air Force, this award further reinforces TSS Solutions as the leader in technically refreshing legacy Radar systems, delivering a powerful new system to the FAE that will provide a long-range air picture that detects, tracks, and automatically classifies the full threat spectrum.

PAST PERFORMANCE INFORMATION SHEET			
Contractor	TSS Solutions	DUNS Number	638023418
CAGE Code	OSKB3	Contract Number	SPE8EJ-21-D-1020
Contract Type	FFP	Program Title	FMS Case NV-P-LGD
Contracting Agency / Customer	DLA/US Naval Information Warfare Systems Command	Contractor's Role	Subcontract to ADS
Original Value	\$11.6 million	Current Value	\$11.6 million
Original PoP	June 2023-September 2025	Current PoP	June 2023-September 2025
Place of Performance	TSS Solutions, Melbourne, FL Lumbaqui, Sucumbios, Ecuador		

Depot Repair Solutions

TPS-75 Repair Contracts

TSS Solutions has been contracted by the AFMC 415 SCMS/GUMAB Supply Chain Management Squadron located at Hill AFB and received 22 contracts to repair failed components of the TPS-75 Radar System. TSS Solutions has repaired more than 25 different NSN's and more than 190 failed components.

TPS-70 Repair Contracts

TSS Solutions has repaired components for ACC/AMIC, the Colombian Air Force FAC (Fuerza Aérea Colombiana) and the Canada Department of National Defence on the TPS-70 Radar System. TSS Solutions has repaired 114 different NSN's and 417 failed components.

SATCOM Solutions

We have installed more than 1,200 satellite Earth terminals in more than 120 countries since 1991. Below is a small sample of those contracts.

ViaSat Apex Contract

TSS Solutions was on contract for the assembly, installation, and commissioning of four 13-meter satellite antennas and associated equipment on military installations in Guam and Blossom Point, MD. This contract included the mechanical assembly and alignment of the main satellite reflector, and installation and leveling of the 35,000-pound pedestal mount. The project also included the mechanical installation of four 25-meter radomes placed over the satellite antenna systems. Installation included all cabling, azimuth and elevation gear drives, radomes, and integration and qualification testing.

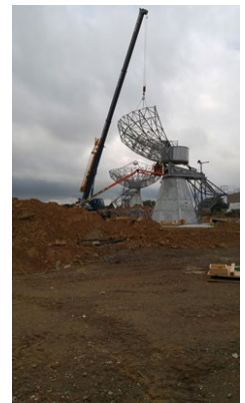
We strictly adhere to all OSHA and customer safety requirements, including the donning of safety harnesses, hard hats, steel-toed boots, and other gear required for the safe installation and operations at the Radar site.

ViaSat Selex Bearcat Contract

TSS Solutions was on contract for the assembly, installation, and commissioning of two 16-meter satellite antennas and associated equipment at a NATO facility in Belgium, and one 11-meter satellite antenna and two 16-meter satellite antennas in Italy. All antennas for both sites required radome installations.

Multiple, simultaneously fielded crews were deployed at both locations to ensure timely project completion. Installation included mechanical assembly and leveling of the pedestal mount; assembly, installation, mounting and alignment of the main reflector; installation of all waveguide components, electrical wiring, and cabling; and installation of azimuth and elevation gear drives to ensure proper operation. At the end of the installation, the TSS Solutions team conducted complete acceptance testing before turning the system over to the customer.

During the installations, TSS Solutions personnel performed all logistics functions, which included documentation, procurement, shipping, and return of all tools and material utilized at the sites. Our in-house travel office scheduled all personnel travel to the installation sites, including air travel, ground transportation, and lodging.



The installation by TSS Solutions included mechanical assembly and leveling of the pedestal mount.



Viasat SLRSC (Spacelift Range System Contract)

TSS Solutions was responsible for the installation of one 13-meter satellite antenna on a 100-foot concrete riser at Oak Mountain, CA. Oak Mountain is located at Vandenberg AFB. The antenna provides tracking and telemetry data to the Air Force's Western Launch and Test Range. TSS Solutions simultaneously fielded multiple crews to transport the antenna from Cape Canaveral Air Force Station (CCAFS), where it had been kept in storage for two years, to the TSS facility in Melbourne, FL. To mitigate any issues during the final installation, the main reflector was assembled at our Florida facility, and then disassembled, crated, and shipped to Viasat Inc. in Duluth, GA, for final shipment to California. During this process, we determined that several antenna spars and intercostals were faulty. TSS Solutions had replacement parts fabricated by local suppliers and shipped with the complete antenna assembly.

Upon the antenna's arrival at Vandenberg AFB, we performed mechanical assembly and completed leveling of the pedestal mount, which weighs more than 35,000 lbs. This required rigging for assembly and lifting of large/heavy objects and working with heavy cranes. We also assembled, installed, mounted, aligned, and commissioned the main sub-reflector and the radome. The antenna pedestal mount, main reflector, and sub-reflector were rigged and mounted by 100-ton sky cranes located on the antenna riser. Our team disassembled and reassembled azimuth and elevation gear drives for movement of antennas in both directions. As this installation was performed at heights of more than 100 feet, all personnel required certifications for working at heights, fall protection, and operational certifications on heavy equipment operation to include forklifts, man lifts, scissor lifts, and other lifting equipment.

Upon completion of the project, TSS Solutions received a Letter of Commendation written by the Viasat Installation Manager, which reads in part:

"Most recently we (Viasat and TSS Solutions) completed the rollout of 20 Gateways. The TSS teams internal and external played a huge part in our success. These installs were completed ahead of schedule and under budget. The team worked literally day and night for almost 18 months to make this happen. TSS continues to work with Viasat on a daily basis to help reduce costs by recommending lower-cost solutions and options. This makes our jobs at Viasat much easier."



The fully assembled antenna at Vandenberg AFB in California.

TSS continues to work with Viasat on a daily basis to help reduce costs by recommending lower-cost solutions and options. This makes our jobs at Viasat much easier.

**– Viasat
Installation Manager**

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TSSsolutions.com



RADAR Solutions



DEPOT Solutions



SATCOM Solutions

TSS Solutions has been integral to national defense, homeland security, and counter-drug and counter-terrorism initiatives for more than 30 years.

We have established a reputation as a proven and capable business partner, integrating our engineering, manufacturing, service, and operational expertise to benefit the customers we serve.

We are at the cutting edge of Radar and SATCOM modernization technology, sharing and leveraging our expertise with customers across the globe.

Contact Our Team

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Other Offices

Washington, DC
Oklahoma City, OK
Bogotá Colombia

We've Got Your Track™

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