



# Capabilities Statement

RADAR | DEPOT | SATCOM

# TSS Solutions Capabilities Statement

## COMPANY INFORMATION:

TSS Solutions  
7800 Technology Drive, Melbourne, FL 32904  
(321) 242-0000  
Cage Code: 0SKB3  
Unique Entity ID: UC3YRB75NUK4  
Small Business NAICS Code: 334511  
[TSSolutions.com](http://TSSolutions.com)

**T**SS Solutions was launched as a small business in 1991 to provide the Telecommunications and Radar industries with high quality technical support services. For more than 30 years, TSS Solutions has provided a full line of technical support services in the Satellite, Radar, and Government Services markets. A distinguished list of Fortune 500 and Government customers have recognized the professional operations, maintenance, and engineering services offered by TSS Solutions, and our teams are performing these services in many areas of the world today.

**We have provided our services in every U.S. state and in more than 120 foreign countries,** many of which are categorized as hazardous duty and/or warzone areas. As a result, TSS Solutions has acquired considerable expertise in the safe movement of personnel and materials in challenging circumstances.

We provide total service packages from program management to integration, design, installation, test, commissioning, product qualification testing, field engineering, operations and maintenance, depot-level maintenance, Service Life Extension Programs (SLEP) and warehousing/logistical



*TSS Solutions has a global footprint; we have provided our services in all 50 U.S. states and in more than 120 countries.*

support. We have installed, integrated, and commissioned more than 1,200 satellite Earth antennas and electronics. Our expertise encompasses antennas from VSAT to 24.0M in size, C/Ku/Ka/X/S bands for both full- and limited-motion mounts, gateways, and full Telemetry Tracking and Control (TT&C) teleports.

TSS Solutions has a rich history of supporting the ACC/AMIC, United States (U.S.) Southern Command (SOUTHCOM) and U.S. Northern Command (NORTHCOM) in its vital national security role conducting counterdrug aerial surveillance in the Caribbean, Central/South America, and North America Areas of Responsibility (AOR's). Our support dates to the Caribbean Basin Radar Network (CBRN) and includes follow-on programs such as Counterdrug Surveillance and Control System (CSCS-ICS/CSCS), Hemispheric Radar System (HRS), and Mobile Air Surveillance System (MASS). In addition, we supported the U.S. Embassy operations in Bogotá, Colombia, and the FOL BOS program in Curacao.

TSS Solutions has fulfilled contracts with the U.S. Air Force (USAF) to upgrade, modernize, and perform Service Life Extension Programs (SLEP) on its Ground-Based Tactical Radar systems (TPS-75, TPS-70, and TPS-43) to increase performance and reliability and reduce obsolescence issues on these older systems.

We currently employ 100 professionals (roughly half have a Secret clearance, and some have a TS/SCI clearance). Although a small company, TSS Solutions enjoys the financial stability of a larger corporation.



*TSS Solutions' Corporate Headquarters is on Florida's Space Coast.*

TSS Solutions moved into our expanded Corporate Headquarters in April 2022. This 55,000-square-foot industrial building houses our Radar Depot, High Bay, and offices. The facility is a Secret-cleared, climate-controlled, ISO 9001:2015 certified location at 7800 Technology Drive, Melbourne, FL. The facility is equipped with the latest security systems and measures available; it is monitored and maintained 24/7/365 with an advanced video surveillance system.

The facility has been specifically designed, organized, and equipped to provide a full range of technical support services to the Communications, Radar, and Sensor industries, including the ability to fully construct and test systems in our climate-controlled High Bay shelter integration area, which includes offices, training stations, a self-contained laboratory, rack integration area, depot-level maintenance area, warehouse, and headend lab.

TSS Solutions has a global reach; we are near two major airports, three major seaports, and one major military base to support logistical activities.

## Radar Repair Depot



*TSS Solutions is equipped to fully construct and test systems in our climate-controlled High Bay shelter integration area.*

**The TSS Solutions Radar Depot is an industry leader** in addressing Diminishing Manufacturing Source and Material Shortages (DMSMS) issues, obsolescence engineering, repair, and sustainment of defense electronics legacy Radar systems that the OEM no longer supports. TSS Solutions is considered an industry leader on performing SLEP in legacy Radar systems to both the U.S. Government and foreign governments.

Our depot maintenance support of legacy Radar systems such as the L-88A, TPS-43, TPS-70, TPS-75, and TPS-78 has allowed us to develop, implement, and manage a comprehensive SLEP that is integrated into the life-cycle management of the systems. TSS Solutions owns two TPS-43 tactical radar systems, which are leasable and available for immediate deployment, complete with full operation and maintenance teams. These systems also serve as hot testbeds for all components newly built or repaired by our teams, assuring the highest quality and functionality. No other company of our size has these capabilities.

TSS Solutions was selected by Air Combat Command (ACC) to be the Prime Contractor for the USAF Mobile Air Surveillance System (MASS) Program. MASS is a network of Radar systems throughout South America and the Caribbean basin. As a part of our MASS Program, we were required to provide depot-level maintenance on all Radar systems throughout the network. Our SLEP addresses issues such as part obsolescence, material shortages, diminishing manufacturing sources, and low MTBF rates of assemblies, subassemblies, and components.

TSS Solutions has provided Radar system operator and maintenance training, both classroom and OJT, to many USG organizations and foreign governments. We provide training up to level 7 USAF certification. Training can be provided in the language of the host nation.

TSS Solutions supported the TARS Program from 2012 to 2013, performing depot-level repairs on the TARS L-88A Radar Systems. We also support the AFMC 415 SCMS/GUMAB Supply Chain Management Squadron at Hill Air Force Base, the Defense Logistics Agency, and Tobyhanna Army Depot in the repair, reengineering, upgrade, and implementation of SLEP programs for the U.S. Government's legacy Radar systems. TSS Solutions is also a certified Northrop Grumman representative for TPS-70 and TPS-78 Radar systems.

TSS Solutions was contracted by the USAF/AFLCMC to Technical Refresh subsystems on the legacy OEM TPS-75 Radar Systems to greatly improve the performance, reliability, maintainability, and operability over the systems currently in operation providing Air Defense.

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) on 166 systems globally.



**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.

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TSS SOLUTIONS  
BROCHURES  
AND WHITE PAPERS



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