

PARSONS



SPACE SUPPORT SERVICES

A Leading Space Support Provider



PARSONS' SPACE SUPPORT PROGRAM

COMPANY OVERVIEW

Founded in 1944, Parsons is an engineering, construction, technical, and professional services firm with revenues of \$3.1 billion in 2014.

Parsons is a leader in many diversified markets with a focus on defense/security, industrial, and infrastructure. Parsons delivers design/design-build, program/construction management, and other professional services packaged in innovative alternative delivery methods to federal, regional, and local government agencies, as well as to private industrial customers worldwide.

We conquer the toughest logistical and technical challenges and deliver landmark projects worldwide. Today, more than 15,000 Parsons employees are engaged in executing nearly 5,000 projects in all 50 states, and in 28 countries across the globe. For more information about Parsons, please visit www.parsons.com.

SUPPORT TO SERVICE COMPONENT LEADS

Our space and operations support programs provide support to service component leads in space and the warfighter combatant commands to include United States Strategic Command (USSTRATCOM), Joint Functional Component Command – Space (JFCC-Space), Air Force Space Command (AFSPC), Air Force Space and Missile Systems Center (SMC), Army Strategic Command (ARSTRAT), and the Secretary of Defense Operationally Responsive Space Office (ORSO). Parsons provides technical expertise in concept and architecture development, design engineering, acquisition strategy support, systems engineering and integration (SE&I), modeling and simulation (M&S), software development, test, and evaluation (T&E), logistics life-cycle management, reliability and maintainability, system safety, information assurance, and force modernization. Also provide training support to the Army Space Staff Officer program.

SATELLITE SYSTEMS (COMMUNICATION, NAVIGATION, SURVEILLANCE, AND WEATHER)

Parsons provides systems engineering, advisory, and technical services for space satellite systems to include Military Satellite Command (MILSATCOM), Defense Satellite Communications Systems (DSCS), Global Positioning Systems (GPS), Space Based Infrared System (SBIRS), Third Generation Infrared Sensor (3GIRS), and Defense Meteorological Support Program (DMSP). As prime contractor for SMC Technical Services (STS) Systems Engineering contract, we review, improve, and update all SMC systems engineering standards and policies in order to ensure SMC policies, processes, and standards align with AF/HQ and Defense agencies' directives. In addition, Parsons provides support for Space Superiority and subject matter expertise for the 3GIRS and Developmental Planning/Space Flight Test (XRF) Office. Parsons led the advisory services team responsible for the recent Commercially Hosted IR Payload (CHIRP) launch on September 21, 2011; this tech maturation and risk reduction experiment provides key insight



into Wide Field of View (WFOV) IR space and ground processing technologies and is in full operation. Parsons is the prime contractor for the Missile Defense Agency (MDA) Engineering and Support Services (MiDAESS) Space Task Order supporting the Precision Tracking Space System (PTSS), Space Tracking and Surveillance System (STSS), and External Sensors Laboratory (ESL). As Operationally Responsive Space (ORS) Prime contractor, Parsons provided operational launch planning support for the ORS-1 satellite and the TAC-SAT 4 satellite.

ENTERPRISE SPACE SYSTEMS ENGINEERING

Parsons provides enterprise systems engineering (SE) and mission assurance to the Space and Missile Center (SMC). Our key capabilities include: systems engineering, specifications and standards development, training, tools development, mission assurance, mission support, test and evaluation, modernization, critical technology and industrial base assessment, physical security, and program protection.

SPACE LAUNCH RANGE SYSTEMS

Provide planning, support, and information assurance (IA) advisory subject matter expertise and services to space launch operations at the Western Range at Vandenberg AFB, CA; the Eastern Range at Cape Canaveral AFS, FL; the Pacific Missile Range Facility, HI; the Ronald Reagan Ballistic

Missile Defense Test Site in the Kwajalein Atoll of the Marshall Islands; and the Wallops Island Flight Test Facility, VA.

SPACE CRYPTO AND INFORMATION SECURITY ENGINEERING

Parsons provides expert services in the area of Cybersecurity and the underlying disciplines of information systems security (INFOSEC) and communications security (COMSEC) implementation for space systems. We perform Information Systems Security Engineering as a specialty systems engineering discipline to a variety of space systems while maintaining a unique relationship with the National Security Agency (NSA) and National Reconnaissance Office (NRO). This enables our employees to serve as NSA security advocates trained in the disciplines of security guidance and cryptographic certified module embedment.

OPERATIONALLY RESPONSIVE SPACE

Prime contractor providing systems engineering and technical assistance (SETA) support for the development of low-cost, rapid-reaction payloads, busses, spacelift, and launch control capabilities in order to fulfill joint military operational requirements for on-demand space support and reconstitution and to coordinate and execute operationally responsive space efforts across the DoD with respect to planning, acquisition, and operations.

SPACE VEHICLE SYSTEMS

Parsons provides engineering support to SMC, Missile Defense Agency (MDA), and Operationally Responsive Space (ORS) systems. Our unique expertise gained in the development of Integrated Space Architectures is a keystone for all our space-related initiatives. Our trusted role supporting SMC, MDA, and ORS space systems advancing sensitive architecture and concept initiatives for more than 10 years has always resulted in high-quality products such as technical assessments, roadmaps, prototype specifications, technical reviews, and decision briefings.

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