PARSONS

Defense Services

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 across the globe. Today, more than 15,000 employees are engaged in executing more than 3,000 projects in 50 states and 28 countries around the world.

Parsons Government Services is a $1+ billion revenue global business unit delivering defense, environment, infrastructure, intelligence, and security services to U.S. federal government and international government customers. Our diverse portfolio includes infrastructure and environmental support to more than 300 DoD installations worldwide, destruction of more than 4,500 tons of chemical weapons agents, design and construction of a mock village in a California desert the U.S. Army uses to test/evaluate new sensing equipment to detect improvised explosive devices, and serving as the government's integration contractor for a $3 billion military construction program.

BACKGROUND

Parsons provides technology, engineering, integration, training, and advisory services to the U.S. and international defense market. We have been instrumental in the design, development, fielding, and sustainment of effective weapons systems for more than 30 years. We distinguish ourselves by offering sophisticated and differentiated solutions and programmatic capabilities to support the Department of Defense (DoD). As a result of our proven domain expertise, we have developed and maintained prime positions on many long-life programs for customers such as the Missile Defense Agency (MDA), U.S. Army Space and Missile Defense Command (SMDC), U.S. Air Force Space and Missile Systems Center (SMC), Navy Space and Naval Warfare Systems Command, and Defense Intelligence Agency Missile and Space Intelligence Center (MSIC).

MISSILE DEFENSE

Our missile defense expertise is based on 35 years of providing key technical leadership in the design, development, fielding, and sustainment of an effective and integrated Ballistic Missile Defense System. Our analysts and engineers support the MDA to defend the homeland against existing and emerging threats as well as integrate efforts with other DoD stakeholders and international coalition partners. We play a leading role supporting MDA in engineering, facilities, test and evaluation (T&E), warfighter operations, logistics, security, intelligence, and international missions. Additional customers include SMDC and MSIC.

SPACE AND OPERATIONS SUPPORT

We provide support to service component leads in space and the warfighter combatant commands to include U.S. Strategic Command, Joint Functional Component Command – Space, Air Force Space Command, Air Force SMC, Army Strategic Command, and the Secretary of Defense Operationally Responsive Space Office. Parsons provides technical expertise in concept and architecture development, design engineering, acquisition strategy support, systems engineering and integration, modeling and simulation (M&S), software development, T&E, logistics life-cycle management, reliability and maintainability, system safety, information assurance, and force modernization.

CORE COMPETENCIES

- Systems engineering and analysis
- Modeling and simulation
- Technology development and transition
- Test and evaluation
- Operations and sustainment planning
- Life-cycle maintenance support
- Battle management
- Information assurance
- Systems, supportability analysis, and training

Photos: Courtesy of Missile Defense Agency and U.S. Air Force.

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Parsons' support to the defense market spans the full spectrum of services offerings:

Research & Development | **Planning & Oversight** | **Engineering Integration & Simulation** | **Test & Evaluation** | **Sustainment & Training**

RESEARCH & DEVELOPMENT

Parsons routinely conducts research and development (R&D) of mission-critical, next-generation technologies to support the warfighter on urgent issues. Examples include: development of the ZEUS laser neutralization system, which has neutralized 2000+ ordnance items in theatre to date; an automated human detection sensor with spectral imaging developed for the Office of Naval Research; and serving as prime contractor on the Defense Research Engineering Network, which operates a nationwide distributed R&D network for cybersecurity and computer network defense capabilities nationwide for the DoD.

PLANNING AND OVERSIGHT OF LARGE, COMPLEX PROGRAMS

Parsons is very successful in leading large, prime contracts involving mission-critical operations supported by highly technical teams comprising our own experts and small businesses with niche capabilities. Leveraging our demonstrated management expertise and proven program tools, we consistently earn exceptional ratings by our customers. For example, we are the largest provider of support services on the Missile Defense Agency Engineering and Support Services contract, and we lead support of the US Air Force SMC Engineering Directorate. These efforts both involve synchronization of effort on behalf of our client with a wide range of internal and external stakeholders to ensure the warfighter's mission needs are successfully met.

ENGINEERING, INTEGRATION, & SIMULATION

We are a leader in missile defense and space engineering services for both the DoD and international customers such as North Atlantic Treaty Organization (NATO). As an example, we are the prime contractor for the Joint Research Analysis and Assessment Center (JRAAC), a state-of-the-art simulation integration facility supporting multifidelity scientific and technical analysis of integrated weapons systems in complex theater environments in order to determine capabilities, vulnerabilities, and limitations. JRAAC integrates more than 80 weapons systems models, including radars; missiles; command and control systems; and command, control, communications, computers, intelligence, surveillance and reconnaissance. Additionally, we have developed M&S tools to support operator planning and architecture development and to simulate various threat models and defense system element representations.

TEST & EVALUATION

We have expertise in all aspects of testing, from pretest planning and analysis to test resource planning, test planning and execution, and post-test analysis. For MDA, we lead a 40-company, test and evaluation team; we have played a lead role in supporting the majority of test events performed by MDA or its predecessors over the past 20 years. In support of multiple Army tactical network programs and the Joint Battle Command-Platform Program, we applied our advanced systems simulations to the problem of planning test scenarios and test-data-gathering approaches, in addition to analyzing test results, in a model-test-model paradigm.

SUSTAINMENT AND TRAINING

We provide sustainment services for a wide range of tactical systems, with a specialization on Army platforms and various classes of unmanned autonomous systems. Our services include systems engineering, logistics, M&S related to operational availability as well as live and virtual training, testing, and evolution in support of U.S. tactical weapons programs. Examples include obsolescence avoidance support (reverse engineering obsolete parts and developing prototypes with the same form, fit and function) to Aviation and Missile Command, and Aviation and Missile Research, Development, and Engineering Center, and training foreign troops and warehousing/maintaining foreign military sales equipment in support of U.S. Army Assistance Command.