

PARSONS

Full-Spectrum Planning Services

Parsons PLUS creating a safer world



Secure, sustainable solutions from one of the most experienced, successful planning firms in the world.

Company Overview

Founded in 1944, Parsons is an engineering, construction, technical, and professional services firm with revenues of \$3.2 billion in 2015.

Parsons is a leader in many diversified markets with a focus on infrastructure, industrial, federal, and construction. Parsons delivers planning and programming, 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, Parsons employees are engaged in projects in 29 countries around the world.

Capabilities

For more than 70 years, Parsons has successfully met the needs of our federal customers for planning and design of complex infrastructure systems, regulatory compliance, and the management of information databases. With more than 14,000 employees in 150 U.S. offices and 50 international offices, we have the resources to access and support projects worldwide. Over the past 5 years, Parsons has completed more than 200 planning assignments for federal customers, facilitating thorough analyses of existing conditions and requirements at installations around the globe.

Comprehensive Planning

The Department of Defense (DoD) is one of the world's largest builders, owners, and operators of infrastructure, responsible for managing millions of acres of land and billions of dollars worth of facilities and infrastructure. Effective, long-term development and management of these resources requires thoughtful and thorough master planning. Parsons has provided effective and innovative solutions to support the successful growth and development of our nation's military installations for more than seven decades.

Recently, Parsons worked with DoD customers to develop numerous master plans that align with sustainable and energy-efficient installation development, as outlined in Unified Facilities Criteria 2-100-01, Installation Master Planning. Our experience over the last 5 years includes more than 200 plans for installations throughout the United States, Europe, Saudi Arabia, Korea,



Japan, Panama, and Puerto Rico. We have undertaken master planning projects, including classified assignments, for all branches of the DoD and other agencies and departments within the federal government. This joint-service, multinational experience has given Parsons an unequal staff capability and level of experience in the area of planning.

Stationing Plans and Beddown Studies

The recent closure and realignment of DoD installations necessitated rapid adjustment to changing scenarios. Parsons assisted the DoD in numerous stationing studies for military organizations relocating throughout the world. In almost all cases, the planning included the requirement to use facilities designed for other uses. We identified alternative methods of meeting the requirements of organizational moves and prepared cost estimates to assist the services in the decision-making process. We examined various stationing plans and tested against the constraints.

Program Support

Parsons' knowledgeable staff of planners, engineers, and cost estimators provides comprehensive project programming and DD Form 1391 development services. We have extensive experience conducting facility requirements analysis workshops. Also, we have

developed detailed force structure analysis for military customers and translated this into facility requirements and detailed concept plans for integrating standard designs into the smallest possible footprint. Parsons has conducted detailed requirements interviews with a broad set of stakeholders to determine operational needs and facility space requirements and developed concept facility designs to meet all unit requirements.

Information Management and Spatial Data Analysis

Information management and spatial data analysis systems provide our customers with the tools needed to maximize situational awareness training in battle space, enhance installation security, and support mission operations and facility management. Our geospatial solutions range from single-seat desktop configurations to enterprise geospatial information system (GIS) deployments. We have designed, installed, and managed GIS, database, remote sensing, and web development programs. We are actively applying 4D modeling to demonstrate the sequential time impact to the design-build process.

Resilience Planning

The sustainment of our nation's military relies on secure and resilient critical infrastructure—including the assets, systems, and networks that



form the foundation of the infrastructure that supports operations. Parsons has worked with DoD entities to manage risks and achieve security and resilience outcomes for critical infrastructure. We implement an integrated and collaborative approach to ensure that physical and cyber critical infrastructure remain secure and resilient, with vulnerabilities reduced, consequences minimized, threats identified, and response and recovery adequately planned. Parsons works with our DoD customers to conduct vulnerability assessments that include evaluation of the utility systems' susceptibility to threats or intentional attacks and determine susceptibility to weather-related emergencies, threat conditions, disruptions, or attacks on the health and integrity of the systems. The assessments are followed by the identification of measures to protect the systems and reduce risks, to include possible security enhancements, infrastructure upgrades, and changes to operational policies and procedures.

To counter the increased vulnerability of our nation's critical assets to terrorist attacks, Parsons has developed a converged security offering that combines cybersecurity, integrated network solutions, and critical infrastructure protection. Parsons is uniquely qualified to address the threat to our nation's critical assets. We have delivered, protected, and sustained critical infrastructure for U.S. government customers for more than 70 years. In addition, we have provided cybersecurity risk assessment and mitigation planning services to protect those assets, as well as our nation's most sensitive information, for more than 30 years. No other company has more critical infrastructure, and industrial control systems and supervisory control and data acquisition (ICS/SCADA) experience. Our acquisition of SPARTA, Inc., in 2011 and Secure Mission Solutions in 2014 greatly enhanced our capabilities in cybersecurity and critical asset protection.

In 2014/2015 Parsons emerged as an industry leader by developing facility requirements for the newly formed military cyber organizations and the Cyber Center of Excellence at Fort Gordon, GA. Our planners have worked with industry thought leaders and are defining the enduring capabilities for this mission. We are working with prototype force structure and mission analysis within the constraints of highly sensitive information, and providing the government with concrete plans and programming documentation for capital investment decision-making.

Energy and Net Zero Planning

Parsons has provided many U.S. government customers with the information to meet energy reduction mandates, which include EISA 2007, EO 13693, and EPA 2005. We take a unique approach to net zero planning by combining energy assessments with a sustainable master planning component, creating a comprehensive net zero master plan. The goal is to assess the feasibility of achieving net zero through integrated energy management, generating as much energy on site per year as is consumed within an area's buildings, utilities, and real property assets. As part of the planning process, Parsons draws on a team of energy experts to assess potential renewable technologies and provides project recommendations for clean, self-generated renewables that yield a simple payback of less than 20 years. These recommended renewable solutions also integrate with the installation master plans to ensure compatibility with land use patterns and mission operations.

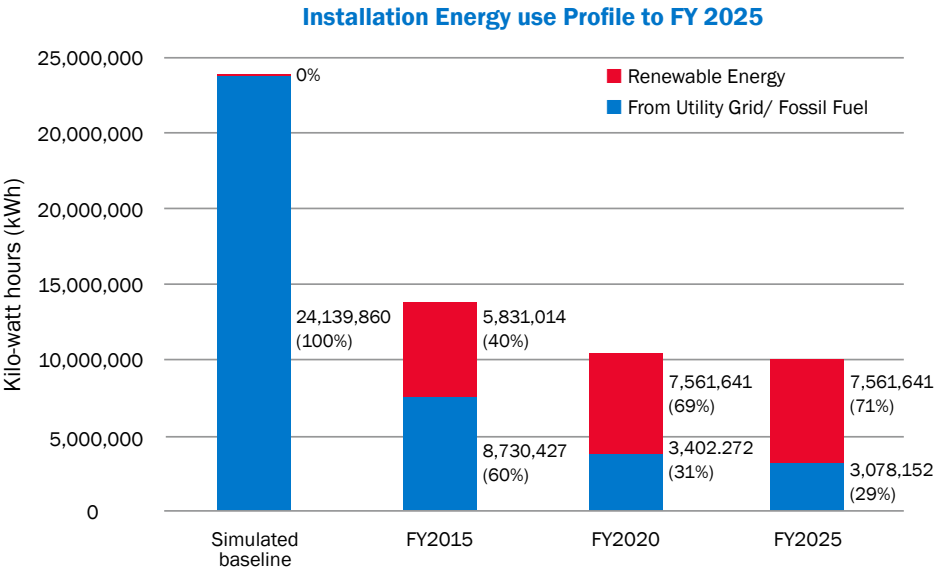
Business Case Analysis

Parsons offers a wide range of special studies and analyses of economic factors and conditions in support of real estate, capital facility investment, and business decisions. We have broad experience completing this work, both independently and by partnering with small businesses with specialized experience with particular markets, regions, or other fiscal and

resource aspects. For example, in 2015 Parsons completed a comprehensive feasibility study for the 88th Reserve Support Command evaluating alternatives for providing base operations support to more than 700 facilities and 4,000 other infrastructure assets at 200 sites located in a 19-state region extending from Ohio to Washington State. Our analysis included the evaluation of a wide variety of support contracting and procurement alternatives and the completion of economic analysis methods to evaluate the optimal alternatives for the organization to meet its expanding mission with diminishing resources.

Explosive Safety Planning

Special considerations must be given to the planning and siting of facilities that involve the handling, manufacture, storage, and transportation of hazardous materials, such as ammunition, explosives, chemicals, and liquid propellants. Our staff has experience in explosive safety planning for all DoD services in full compliance with DDESB regulations and guidance. We have developed facility requirements for ammunition storage, prepared Explosive Quantity-Distance site plans and constraints maps, performed asset evaluations and GIS mapping of ordnance storage areas, and developed installation master plans for weapons stations and depots.



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