

Design. Construct. Protect.

Facility Condition Assessments and Energy Audits

Meeting the Department of Defense's 5-year mandate
to adopt the Sustainment Management System developed
by the Construction Engineering Research Laboratory





More than 100 Parsons employees have experience providing BUILDER condition assessments. Some highly qualified users are allowed in the back end of the database to perform advanced procedures. Over the years, Parsons has developed procedures to train not only our own employees but also government employees and customers.

Full-Spectrum Planning Services

Company Overview

Parsons is a technology-driven engineering services firm with more than 70 years of experience in the engineering, construction, technical, and professional services industries. The corporation is a leader in many diversified markets with a focus on infrastructure, defense, security, and construction. Parsons delivers design/design-build, program/construction management, systems design/engineering, cyber/converged security, 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.

All across the world, at every time of day, Parsons is keeping people moving toward a brighter, safer world. For more about Parsons, please visit www.parsons.com.

Capabilities

Our ability to plan and design complex infrastructure systems, ensure regulatory compliance, and gather and manage information databases has satisfied our clients' needs since 1944. Our 14,000+ employees in 150 US offices and 50 international offices provide us with the resources to access and support projects worldwide. Parsons' approach to planning integrates facility condition assessment and energy and water audits to develop optimum solutions. Our ability to offer combined facility condition and energy assessment services translates to 15% to 20% savings over the cost of separate services for our customers.

Requirements

On September 10, 2013, the Under Secretary of Defense issued a memorandum establishing a standard process for all Department of Defense (DoD) facility condition assessments requiring DoD components to adopt the BUILDER Sustainment Management System (SMS) within 5 years. Parsons was using the application well before this standard was issued: We like to think we played at least a small role in promoting BUILDER. One of our first efforts was developing a quality control process and an updated user manual, which is still used by the Marines today.

Parsons Knows BUILDER SMS



Over the last 10 years, Parsons has executed more than 100 million square feet of BUILDER SMS assessments around the world. The BUILDER SMS is a web-based software application developed by US Army Engineer Research and Development Center's Construction Engineering Research Laboratory (CERL) to help civil engineers, technicians, and managers decide when, where, and how to best maintain building infrastructure. We have developed field data collection procedures to collect data in the most efficient manner possible. In addition to efficient data collection, we have honed our quality control procedures to ensure the most accurate and consistent data possible.

Our clients include the US Marines, US Air Force, US Army, Defense Commissary Agency, Defense Logistics Agency, and the US Navy.

Energy Assessments and Compliance Planning

Beyond the Under Secretary of Defense BUILDER mandate, Parsons has provided many US government clients with the information to meet energy reduction mandates, which include EISA 2007, EO 13423, EO 13514, and EPAAct 2005.

Many customers find that when the teams are in the field collecting data to be input to BUILDER SMS, collecting a few more data elements will yield enough information to meet the energy mandates also. This saves both time and money.

Parsons has provided simultaneous condition assessments and energy audits on about 50% of all projects executed in the last 5 years.

Security Assessments

Parsons, a full-spectrum security provider, also offers assessments of customers' security vulnerabilities and recommended solutions. Our cybersecurity and information assurance (IA) capabilities employ the Federal Plan for Cybersecurity and Information Assurance Research and Development as a basis for organization.

- Information Integrity
- Cryptography
- Multi-Level Security
- Fault-Tolerant and Resilient Systems
- Integrated, Enterprise-Wide Security Monitoring
- Authentication, Authorization, and Trust Management
- Access Control and Privilege Management
- Attack Protection, Prevention, and Preemption
- Large-Scale Cybersecurity Situational Awareness

Critical Infrastructure Cybersecurity Services

When it comes to cybersecurity, Parsons recognizes that our customers are driven by the growing cyber threat and need to navigate the critical infrastructure regulatory compliance maze.

Parsons' Cyber Infrastructure Protection offering provides protection through the life cycle. It incorporates systems engineering, vulnerability assessments, and penetration testing, and compliance, and is targeted to meet your needs.

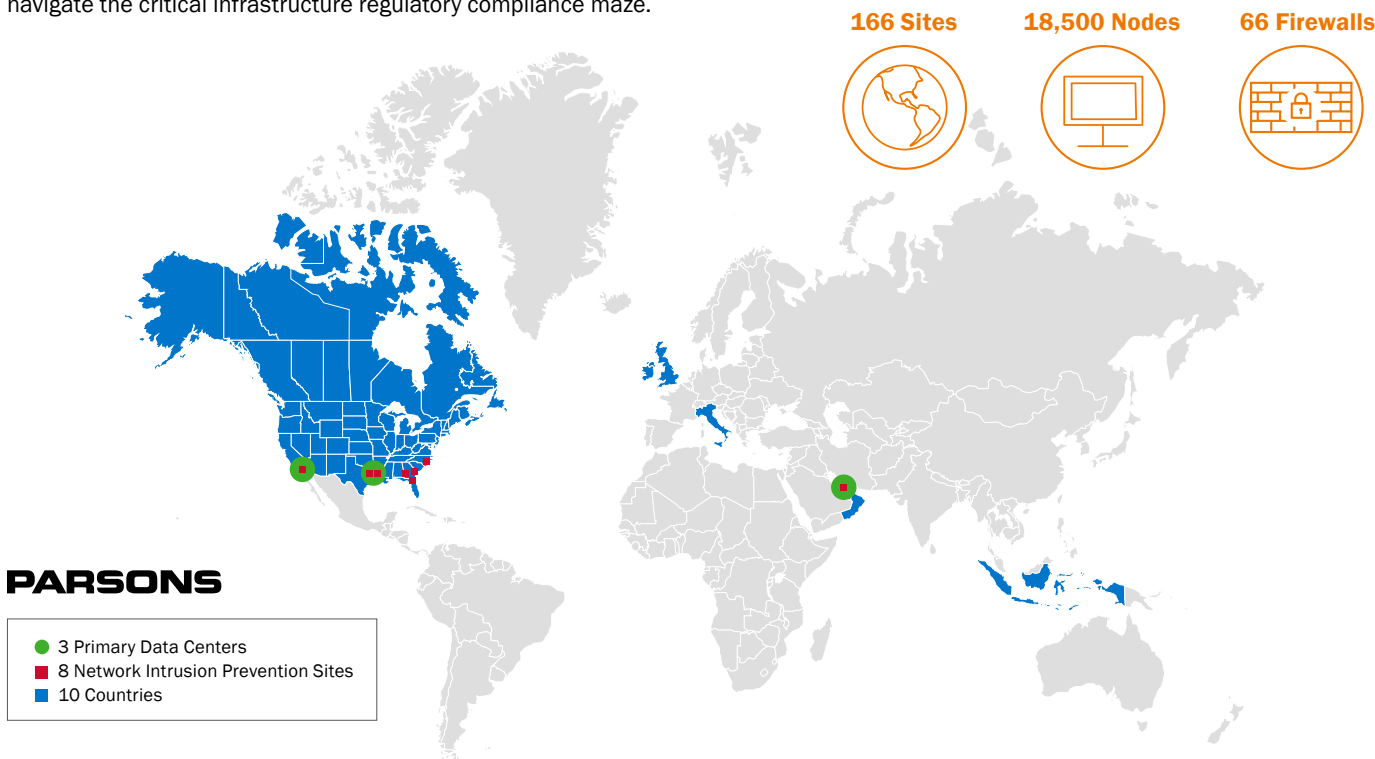
Net Zero Planning

Parsons takes 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 onsite per year as is consumed within an area's buildings, utilities, and real property assets.

Master Planning

Collecting and analyzing condition and energy data are just the first steps of developing and executing an investment plan. As part of our assessment services, Parsons can also provide planning expertise in the form of future development plans that direct modernization and recapitalization investments while incorporating energy efficiency and life-cycle cost analysis. Our plans have proven to be invaluable tools to our federal customers and generally include:

- A Sustainable Infrastructure Assessment consisting of facility condition assessments, energy and water audits, and facility utilization studies.
- A Facility Condition Assessment, consisting of building condition surveys to document existing building components and their condition, with all data entered into the BUILDER SMS.
- A detailed requirements analysis.
- Proposed facility projects intended to meet mission requirements, implement sound urban planning principles, and reduce long-term facility operations and maintenance costs.



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Approved for public release KJ.02.2015 8/16
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