

# Design. Build. Protect.

## Cyber Solutions Center



creating a safer world

In March 2015, Parsons — a technology-driven engineering services firm with expertise in defense, intelligence, and cybersecurity — opened its Cyber Solutions Center, a key component of the company's Cyber Critical Infrastructure Protection Initiative. This unique facility emulates customer control systems and architectures, security vulnerabilities, and risk posture, and then enables tailoring, testing, and implementation of technical options to enhance and protect the security of customer operating environments.

### The Challenge

#### The Federal Government

- The US Navy is the target of an estimated 96 billion cyber attacks per year.
- US defense companies' networks are breached more than 20 times per year.
- The networks of the US Transportation Command were breached 20 times in a single year.
- Between 2012 and 2015, cyber attacks were launched against multiple US Government agencies, including the Nuclear Regulatory Commission, Army Corps of Engineers, Army Materiel Command, Navy Marine Corps, Missile Defense Agency, Department of Energy, National Aeronautics and Space Administration, and the Central Intelligence Agency.

#### Critical Infrastructure

- Two hundred brute-force cyber attacks on US critical infrastructure were reported between October 2012 and May 2013, surpassing the total number for 2012.
- Cyber attacks against critical infrastructure increased more than 380% in a single year (2010–2011).

#### Commercial Enterprises

- The average annual cost of cyber crime to US retail stores is \$8.6 million per company.
- In the past 12 months, major cyber attacks were launched on Anthem Insurance, Sony Pictures, Home Depot, and JP Morgan Chase.

**These are the known attacks.**

### Parsons' Solution

Parsons' Cyber Solutions Center, a hands-on laboratory located in Centreville, VA, enables the Parsons team to demonstrate and analyze the operational technology networks, supervisory control and data acquisition (SCADA) systems, and industrial control systems (ICSs) that control all critical infrastructure, building systems, manufacturing systems, medical treatment facilities, water and wastewater, transportation, and more.

The Center offers a technology-agnostic view that focuses on our customers' cybersecurity



### 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.

requirements and the solutions they need – not on the sale of a particular product.

The Center also provides a means to visualize an attack without threatening or interrupting operations.

### **A Trusted Advisor**

Parsons has been delivering, protecting, and sustaining critical assets for more than 70 years. Parsons has delivered cybersecurity services to protect our nation's most sensitive information and critical infrastructure for more than 30 years.

Parsons is the industry leader – no other company has more critical infrastructure, ICS, and SCADA expertise. Our customers include the Department of Defense, Department of Homeland Security, and the Intelligence Community.

With the Cyber Solutions Center and the Cyber Critical Infrastructure Protection Initiative, Parsons extends these services to customers in state and local government and in the commercial marketplace.

### **Services Offered**

Security assessments, operational and information technology security engineering, NOC/SOC security engineering and operations, SCADA/ICS security design and engineering, advanced protocols, and secure routing deployment.



### **For more information, please contact**

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