

Safety. Security. Assurance.

Cybersecurity Solutions



creating a safer world

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Parsons is a full-spectrum security provider, delivering cyber and physical security services to customers around the globe. Our security offering is based on a unique set of qualifications: For 30+ years, Parsons has worked behind the scenes, delivering cybersecurity services to US government customers to protect our nation's most sensitive information and critical infrastructure. In addition, for 70+ years, we have designed, built, and sustained critical assets worldwide. This combined experience in the development and protection of critical assets sets us apart and qualifies us to address the toughest security/cybersecurity challenges facing government and commercial customers today.

Engineering and Integrating Cyber Solutions

- Cyber collection and monitoring solutions underpinned by big data architecture components built on cloud platforms
- Real-time and actionable data through a “collect-once and reuse-many” framework
- Network intelligence engineering including collection/capture and visualization using high-value deep packet inspection tools
- Endpoint, network, and boundary protection architectures for enterprises



Mission Enablement

- Communications and systems engineering
- High-speed, real-time network traffic collection and processing solutions
- Wired and wireless collection and signal processing
- Software development
- Code-based technology and tools development for large-volume data analytics
- Life-cycle support to Communications Security (COMSEC) and encryption technologies



Assessment and Operational Assurance

- Comprehensive security and risk assessments
- Penetration testing
- Incident response and remediation
- Information system security engineering
- Advanced threat detection - HUNT
- Information system accreditation
- Independent verification and validation
- Cyber training/education and exercises



Cyber Research and Development

- Basic and applied research
- Rapid prototype development
- Internet infrastructure (DNS, SNMP and routing) security
- Cyber test bed engineering and support
- Micro cloud computing

Full Life-Cycle Support Services



The Challenge

Transportation Targeted:

Perpetrators hacked into a construction company's computer system and changed a road-side message in Colchester, VT, from road work ahead to a warning about zombies and swine flu. The hackers password protected the message so police were unable to turn it off.

Transportation systems are increasingly dependent on the digital infrastructure. Examples include NexGen air traffic control systems, positive train control, intermodal ports, and other intelligent transportation systems.



Oil & Gas Industry Targeted:

In August 2008, hackers caused the explosion of the 3.5-foot diameter Baku-Tbilisi-Cayhan pipeline in Turkey. A central element of the attack was the hackers' ability to access the pipeline's operational controls and increase pressure without triggering alarms.

The energy industry globally has become a target of sustained cyber attacks. Major US companies such as Marathon Oil, ExxonMobil, and ConocoPhillips, for example, have all experienced various levels of infiltration and attempted infiltration involving their control networks.



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.

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