CHALLENGE — BIG DATA/SOLUTIONS

The amount of data being generated on today's networks is daunting. Our anomaly-detection algorithms turn your massive flow of data from a burden into an advantage. You can quickly detect and visualize anomalies in your data over time - allowing you to take swift action. **Applications include**: Cybersecurity, Fraud Detection, Pharmaceutical Compliance, Improper Payments, Financial Services

APPROACH

- **Collect More Data**: Almost every device on your network is constantly generating data that is relevant to your business: from the security of your network to potential user fraud. Most of that data is never being looked at. Our tool allows you to collect vast amounts of data in one location from multiple sources and conduct centralized analyses.
- **Store Data Longer**: Data on your network is constantly growing and the pressure to reduce the amount of data on the network means shorter timeframes for data storage. Yet, it's often the case that the bad guys have been on your network for weeks, months, or longer. Our big data architecture allows you to store data longer so that you can analyze larger data sets for data trends and anomalies.
- **Perform More Advanced Analytics**: Our open, scaleable architecture allows for a multitude of processing and analytic techniques to be used with the data including visualization, SQL queries, and custom programming. You're free to apply the analytic techniques that make sense in your environment. Your only limitation is your imagination.

RESULTS — UNDERSTAND THE DIFFERENCE BETWEEN EXPECTED BEHAVIOR VERSUS BAD ACTORS

- Learn and know the normal operations and flows in your network better than your adversaries
- Collect information about what is going on in your network to a greater level of detail across a longer time
- Lay traps using an aggregate method whereby multiple suspicious activities are detected from multiple sources before the operator is alerted

CHALLENGE — CYBER SOLUTIONS

Worldwide spending on cybersecurity is predicted to top $1 trillion over the next 5 years (2017 to 2021). And, one of the major trends requires the agile blending of human security expertise with purely technology-based solutions. Today agencies need agnostic Cyber consultants/engineers who can configure end-to-end security solutions to tackle both insider and external threats to your organization.

APPROACH

- SOC (build-out and CND services)
  - Cybersecurity-as-a-Service (CSaaS)
  - Security Tool Integration and Automation
  - Platform-agnostic, fully integrated resilient architecture
- Insider threat, cyber analytics tool implementation (hub integration): custom analytics; patent-pending anomaly detection algorithm
- Risk management and information assurance: continuous diagnostics and monitoring capabilities for security assessments and accreditations
- Proactive Security: Red-Teaming and Penetration Test Services
  - IoT security assessments, configuration and hardening
  - Cyber Range (hosted bug hunting services)
  - Fileless Malware Detection and Containment
- Securing the cloud
- Secure software defined networking
- Expert Network and System Administration

TOOLS

- **SIEM tools**: Splunk, AlienWare, McAfee/ArcSight ESM, SourceFire
- **Insider threat (UAM + Analytics)**: DG, ForcePoint/Raytheon; RedOwl; HayStax; Novetta; Netwitness; ActiveDefense; Guardium
- **Vulnerability scanning configuration/expertise**: Nessus; Rapid7
- **Security Research Penetration Testing**: R/E; "BugHunting"
- **Dataloss Prevention**: DigitalGuardian; BigFix

AlphaSix Corporation, a Service-Disabled Veteran-Owned Small Business (SDVOSB) and certified Virginia SWaM, is an IT services and products contractor registered to ISO 9001:2015 that specializes in big data solutions, cyber security, virtualization, infrastructure, and managed print. Located within the Dulles Technology Corridor in Sterling, VA, we cater to the unique needs of government and education organizations. More than just a Value-Added Reseller (VAR), we provide end-to-end solutions to better enable our customers to achieve their missions.

Targeted Solutions

Big Data/Solutions

Today our clients are collecting and sifting through more data than ever. AlphaSix is able to harnesses the power of your data to pinpoint anomalies and suspicious activities and to help focus efforts in the right direction. We leverage our expertise in database design using tools based on open standards like Hadoop to allow our customers to extract, transform, and load their information so it can be quickly accessed and leveraged.

Cyber Security

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Infrastructure/Virtualization

The cost of managing and maintaining sprawling data centers continues to rise. AlphaSix's experts in data center server and storage, client solutions, and networking offer a suite of virtualization solutions and services that decrease cost and increase efficiency. AlphaSix has a range of secure VDI offerings ranging from traditional VDI to Desktop-As-A-Service (DAAS) capable of being on and off premise.

Print Management

The costs of managing individual printers continue to rise exponentially. As a result, our clients are looking for ways to reduce costs but improve flexibility. AlphaSix offers a secure print solution that allows customers to remove printers from the desktop, reduce the amount of toner per page, and retrieve print jobs from any device on the network. The results are increased flexibility for the user and decreased costs to your organization.

Key Customers

Primary Vehicles:	Primary NAICS Codes:	
• GSA Schedule 70: GS-35F-307AA • SEWP V: NNG15SD28B (SDVOSB/Grp B)	• 541519: Other Computer Related Svcs/IT VARs • 334111: Electronic Computer Manufacturing • 334118: Computer Terminal and Other Computer Peripheral Equipment Manufacturer • 423430: Computer and Computer Peripheral Equipment/Software Merchant Wholesalers	• 517911: Telecommunications Resellers • 541330: Engineering Services • 541511: Custom Computer Programming Svcs • 541512: Computer Systems Design Svcs • 541513: Computer Facilities Management Svcs

SDVOSB; ISO 9001:2015; Top Secret Facility Clearance; DUNS: 968969514; CAGE Code: 6HX49