



# Quality Innovative Solutions, Inc.<sup>SM</sup>

*“A Service Disabled – Veteran Owned Business”*

## **Information Technology Capabilities**

### **Information Systems Security**

QI-Solutions<sup>®</sup> employees are knowledgeable and experienced in Computer, Information and Physical Security. A high percentage of our employees hold, or have held, Department of Defense (DoD) security clearances and have been personally responsible for the safeguard of information and material in the routine execution of their daily tasks. In addition, our Information Technology (IT) Specialists are experienced in development, securing and test of network capabilities, including configuration and maintenance of Command Line Instruction (CLI) and Graphic User Interface (GUI) Firewalls, Domain Name Service, and others. We conduct vulnerability scans and system evaluation, effecting remediation, when required. Within the Information Assurance Vulnerability Management (IAVM) program, we have interpreted and acted upon Information Assurance Vulnerability Alerts/Communications Tasking Orders (IAVA/CTO) and performed duties as Network Information Security Officer for Wide Area Networks (WAN), Local Area Networks, and Virtual Private Networks (VPNs). Our personnel have managed and monitored network operations and information assurance vulnerability assessment security practices for an enterprise network comprised of over 4400 routers, 150 server farms, 4 Network Operation Centers (NOCs) and 3 helpdesks, operated by over 1500 personnel.

### **Information Technology Services**

QI-Solutions<sup>®</sup> personnel are well versed in the requirements, methods and issues related to configuration management and Integrated Logistics Support. Our employees have maintained Combat Systems configurations for 12 aircraft carriers, tracking thousands of line items and providing ready and accurate reference for any and all inquiries; performed as System Administrators; designed or analyzed different sized networks; developed internet and web applications; and, developed data management software to support a variety of tasks. QI-Solutions<sup>®</sup> has an extensive background in Independent Verification & Validation for a wide range of systems including shipboard Combat Systems, Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) and information management systems. A high percentage of our work involves planning and executing Developmental and Operational Test and Evaluation (DT&E/OT&E) plans. This work involves thorough analysis of system requirements to ensure all specifications are met, as well as the creation and use of Verification, Validation and Accreditation of Modeling & Simulation tools which permit use of simulations to minimize DT&E/OT&E costs. We currently support the Naval Sea Systems Command (NAVSEA) test activities on both the east and west coasts and have been recognized for the high quality of our work. In addition, Modernization activities and Performance Evaluation and Analysis are routine activities for our employees. We have Modeling & Simulation (M&S) experts with years of experience in the engineering and implementation of a variety of M&S tools. Our computer language experts have developed or supported web applications and network computing in support of both internal company and customer requirements. Our Software/Programming capabilities include:

- |                |                |        |
|----------------|----------------|--------|
| ▪ C            | ▪ XML          | ▪ HTML |
| ▪ C++          | ▪ Pascal       | ▪ Perl |
| ▪ FORTRAN      | ▪ COBOL        | ▪ JAVA |
| ▪ Oracle Tools | ▪ Visual Basic | ▪      |

### **Enterprise Design, Integration, and Consolidation**

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[www.qi-solutions.com](http://www.qi-solutions.com)



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During development of new systems and software, understanding and resolving interoperability requirements and issues is considered critical to meeting minimum system requirements. QI-Solutions<sup>®</sup> personnel support stringent interoperability standards and work with our customers to help them meet all requirements. Our programmers understand the requirement for full integration of new systems and work closely with our customers to gain a full understanding of existing systems which is critical to successful integration. QI-Solutions<sup>®</sup> fully understands the need for in-depth requirements analysis and strives to obtain this knowledge in the most expeditious manner. When necessary, outdated systems can be reverse engineered to identify integration issues and to ensure existing functionality can be retained or improved upon. Our personnel fully understand the need to effectively manage the software lifecycle and routinely document software development and enhancement. Thorough tracking and documentation of software as it is developed is critical to understanding program performance and aids in resolution of performance problems. Such documentation is especially valuable during test and evaluation processes to not only validate proper system performance, but to identify weaknesses in the software. Our capabilities in test and evaluation are well known with NAVSEA and in great demand for software and hardware integration and performance tests.

### **Education/Training**

QI-Solutions<sup>®</sup> personnel are formally trained and certified instructors, in both military and civilian education systems. This expertise and instructor experience brings a depth of resources from which to draw when developing customer-specific training. Whether providing informal training on basic operator functions in the field, or formal classroom instruction on technical or management topics, our personnel have the knowledge, aptitude and education to provide the most effective training. From syllabus development to creation of advanced training aids, such as modeling and simulation of hazardous environments, and multi-media, web-based instruction, QI-Solutions<sup>®</sup> provides quality training that meets customer needs and exceeds their expectations.

### **Program/Project Management**

Our Computer Scientists and Engineers are fully capable and readily available to conduct program and process assessments. Our personnel have vast experience in management and oversight of programs ranging in size from Small Business Innovative Research (SBIR) programs to programs as large as multi-billion dollar ACAT programs. Additionally, major IT project experience includes the strategic assessment and optimization of incompatible local networks into a highly effective world-wide IT enterprise. This redesign of network architectures resulted in significant operational improvements as well as cost efficiencies in system operation and maintenance.

### **Systems Operation and Maintenance**

Our personnel have successfully executed the responsibilities as property manager for \$69M in assets. We are experienced in developing/modifying software to facilitate inventory management and inventory control processes, and have a logistics manager with experience in management of over 2,300 line items.

### **Network Support**

With years of local network support, QI-Solutions<sup>®</sup> personnel have the requisite experience to support customer networks and users.

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