

Network Engineering



Today's government agencies are faced with the critical challenge of managing, protecting, and upgrading the computer networks that day-to-day business operations depend on. They often call on outside software vendors for help. The problem is that outside software vendors typically use a toolkit approach to meet already defined functional specifications. This approach gets the technology up and running, but doesn't always fully meet the business needs of the agency.

CSSI, Inc. uses a different approach. Nearly fifteen years of providing the full spectrum of network engineering services to government clients has resulted in CSSI's proven business-focused model for delivering network technology solutions. The CSSI model begins with a clear understanding of your business requirements and ends with a network technology solution that answers these requirements without disrupting existing work processes.

The Proven CSSI Model

For over 15 years, government organizations such as the United States Navy and the National Science Foundation have used the CSSI network technology model to help them:

- ✦ Manage and administer their enterprise-wide networks and systems
- ✦ Secure their technology infrastructure
- ✦ Protect and deliver the data employees need to successfully perform their jobs

The CSSI network technology model brings a proven and predictable process to customized software development, engineering services, and on-site support. The model can be tailored to provide the breadth of development, services, and support your organization needs.

Technology Experts/Domain Expertise

CSSI technologists are experts in the use of leading tools, languages, and databases while staying current in new technologies and DoD directives. CSSI staff members have over 400 staff-years of technical education and experience developing, installing, and supporting system administration, network management, and network security technology.

Nearly a half million staff-hours of direct network engineering support to government clients has given CSSI intimate knowledge of the government and agency environments. CSSI is a technology partner who knows your business and understands the importance of focusing on the requirements of your business rather than on the technology alone.

97% of CSSI customers have rated CSSI's engineering services and technology support as excellent.



For Space and Naval Warfare Systems Command's (SPAWAR) Aviation Command & Control (C2) Engineering Division and The National Science Foundation (NSF) Operation Deep Freeze project in Antarctica, CSSI deploys support personnel, constructs supply operations, and coordinates air and surface operations for logistical and scientific support missions to McMurdo Station. CSSI Network Engineers installed, configured, and tested the new Aviation Technical Services (ATS) Meteorology System in McMurdo Station, Antarctica; Christchurch, New Zealand; and Charleston, South Carolina. This system upgrade included installing new client and server hardware and new imaging software for weather data collection, processing, and distribution. CSSI is also developing, testing, and implementing the Antarctic Weather Web site for public display of continental weather. SPAWAR's Aviation Command & Control (C2) Engineering Division has rewarded CSSI's unparalleled engineering services and technology support with contract renewals and extensions that guarantee CSSI will be a technology partner for at least the next five years.

CSSI's Breadth of Service

CSSI uses technology that adheres to current Federal standards to provide customized software, engineering services, and on-site support in the following areas:

- ✧ Network Management
- ✧ Network Security and Information Assurance
- ✧ Hardware/Software Configuration
- ✧ Network Administration
- ✧ System Management
- ✧ Infrastructure Security
- ✧ Desktop Support

The CSSI Business-Focused Network Technology Model

1. Understand and analyze your business environment, requirements, challenges, and short and long-term goals
2. Review and refine the functional specification so that it fully meets your business objectives without disrupting your day-to-day operations
3. Use an incremental software development cycle and screen and product prototypes to easily obtain user feedback
4. Test the software and write the required documentation
5. Install the software or work with in-house personnel to install the software
6. Train users so that the network software solution is leveraged to the fullest extent
7. Maintain the software or instruct in-house personnel on software maintenance

CSSI Technology Expertise Aids NAVRESFOR Web Portal

CSSI provided technology expertise to aid the Navy's SPAWAR in consolidating over 650 Navy Reserve web sites into a central, full function web site based on Microsoft's Content Management Server (CMS). While the feat of consolidating so many disparate web sites is impressive enough, imagine accomplishing it in just four months! That's exactly what the CSSI SPAWAR team did. The new Commander Navy Reserve Force web site is a two-tiered public and private network that logs over six million page views every six months. The site uses Microsoft's .NET Framework so future applications can easily be integrated into the CMS system.

For over 15 years, organizations such as the FAA and US Navy have turned to CSSI to design, develop, and implement Web portals.