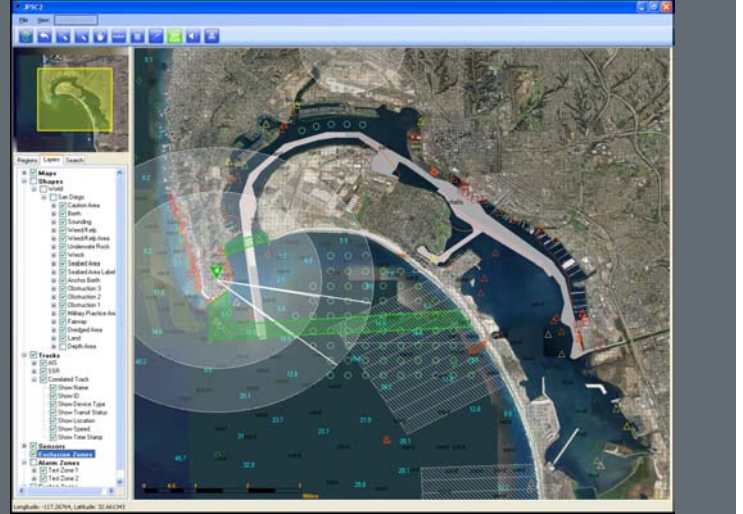


Bringing service to life



Port Security Design and Deployment

- 28 years experience in military engineering and technical services
- Practical knowledge of port operating environments
- Broad expertise in integrated surveillance and intelligence systems
- Exclusive provider of port security system engineering, installation, and life cycle support for SPAWAR's Special Technology Program
- Track record of operational success in several port security and intelligence systems at U.S. Navy ports

For more than 28 years, Serco has been providing trusted engineering and technical services to military and commercial customers around the world. In more than 17 years working with the US Navy, we have earned a track record of performance in engineering, testing, and installing ship and shore communications, intelligence, and surveillance systems. During this time, we have acquired a keen appreciation for the physical characteristics of port operations.

This unique combination equips us to bring an unparalleled blend of expertise in designing and deploying the most advanced systems to protect vessels and port infrastructure.

Serco has been supporting SPAWAR integrated surveillance and intelligence systems as a prime contractor since 1997. We currently hold four single award prime contracts for engineering and technical services.

Serco has been the sole provider of port security engineering services on the Special Technology Program since 2002.

This expertise is backed by the worldwide experience of Serco, recognized as a leader in managing public infrastructure and systems, military assets, and port operations.

Joint Protection and Surveillance Command and Control (JPSC2) System

Case Study

Situation

San Diego is a mega-center for the U.S. military including the U.S. Navy, the U. S. Marine Corps and the U. S. Coast Guard. It also contains a large commercial sea port, an international airport, and other critical state and local infrastructure.

An analysis of threat levels and security needs following the 9/11 terrorist attacks in New York and Washington, D.C. dictated the need to significantly upgrade anti-terrorism force protection measures in the San Diego region. Review of existing stove pipe systems and procedures clearly indicated that adding more people and more of the same technology would not increase security to an acceptable level.

Objective

The Navy, through its Space and Naval Warfare (SPAWAR) Systems Center San Diego (SSC SD), and the Coast Guard recognized the need to create a regional protection and security system for the San Diego region called the Joint Harbor Operations Center (JHOC). The JHOC requires a system that maximizes limited human resources to provide 24 x 7, all weather surveillance of the critical by-ways and installations in the San Diego area. The JHOC requires advanced technology, a high degree of systems integration, close coordination and communication between the two service branches, and a private sector partner to help integrate and regionalize the system to include state and local organizations.

Opportunity

Create regional centers with local, state, federal, and private organizations that provide greater security for the area by identifying intruders before they breach the perimeter; deploying new technology created for this particular mission; and relieving personnel from routine patrol and surveillance responsibilities, freeing them to be where they are needed when they are needed.

Approach

SSC SD selected Serco as a prime contractor to create a regional protection and security system for the San Diego harbor. The system is known as the Joint Protection and Surveillance Command and Control (JPSC2) System. The JPSC2 System, using advanced technology, incorporates perimeter intrusion protection, domain awareness, and data correlation processes to create the most advanced anti-terrorism force protection available.

Serco, working with the Navy and Coast Guard, helped design the system and then set about identifying sources for the equipment and software. When existing hardware or software was not available, Serco and the Navy either modified existing components or designed and developed new hardware and/or software. Serco then installed the hardware and software, verified its capabilities to certify the system met SPAWAR's requirements, and trained system operators.

Results

The JPSC2 System gives the San Diego maritime domain a regional protection and security capability that provides the highest level of assurance against a potential terrorist act. The JPSC2 gives its operators the ability to look further off shore to identify friendly vessels quickly and accurately, allowing intelligence assets to focus on those who may be potential threats.

The JPSC2 equipment and software is already providing a verifiable rate of return on the investment. The efforts of the Navy and the Coast Guard in creating this regional protection and surveillance capability have resulted in closer coordination and communication, thereby meeting a Department of Defense objective of greater mission integration within the service branches.

JPSC2 is presently deployed in two regions, San Diego and Jacksonville. A third region (Seattle) will go on-line in the summer of 2007. The Navy anticipates this system will be fully deployed in all Navy regions over the next three years.

Serco, the Navy through SPAWAR, the Coast Guard and the JPSC2---protecting ports and harbors worldwide.

For more information

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