



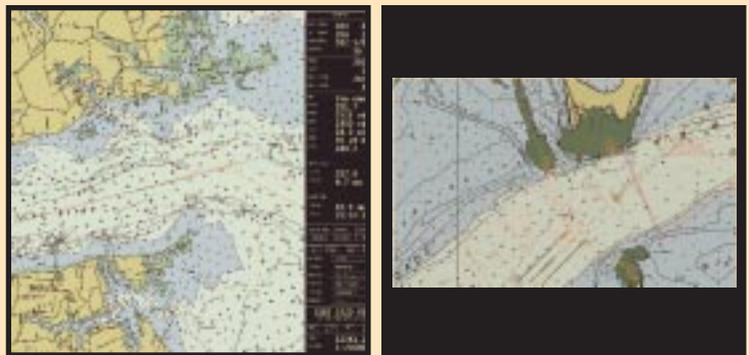
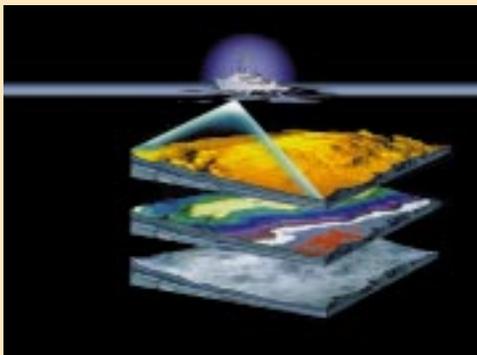
# Marine Navigation Division Services and Capabilities

The Marine Navigation Division of SSC San Diego is leading the way in the development of state-of-the-art bathymetric surveying and integrated shipboard navigation systems.

Our Ocean Survey Systems (OSS) program consists of the design, development, integration, fielding, and through-life support of systems needed for surveying, collecting, and processing ocean-bottom information. Our experience and our expertise in this technology area have resulted in a very successful 40-year history of providing cost-effective, highly reliable, and extremely accurate ocean survey systems that support the submarine fleets of the United States and the United Kingdom.

Our Navigation Sensor System Interface (NAVSSI) program consists of the design, development, integration, and through-life support of systems that provide warfighters with the navigation data they require. Our multi-disciplined technical staff of highly skilled, experienced engineers and scientists has been successful in providing proven state-of-the-art, cost-effective, and highly reliable integrated navigation systems to the Fleet.

We continue to stay abreast of the rapid pace of new technologies and developments in all areas of bathymetric surveying and navigation, thereby maintaining our expertise and leadership in these fields and, at the same time, ensuring that satisfying our customers' needs remains our top priority.



## OSS FACILITIES

- System Integration Laboratories (SIL)
- Navigation and Sonar Development
- Computer-Aided Design (CAD) Laboratory

## NAVSSI FACILITIES

- Production and Development System Laboratories

## AREAS OF EXPERTISE

- Integrated inertial-radio-satellite navigation
- System design, development, and integration
- Wide-swath multi-beam sonar
- Sonar signal simulator design and development
- Sonar signal processing and algorithm development
- Survey data rational database management
- Sophisticated post-processing data refinement
- Electronic Chart Display and Information Systems-Navy (ECDIS-N)
- Survey planning and track-keeping systems
- Software Engineering Institute (SEI) capability maturity model standards

For additional information, contact:

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