Improve safety and security at sea

Maximize Maritime Safety
Automatic Identification System (AIS) service is thought to be the most significant development in maritime navigation safety and security since the introduction of radar. AIS is a shipboard broadcast system that transmits a vessel's identification, position and other critical data to provide the most complete and timely situational picture of vessel activity worldwide.

The benefits of AIS in helping maritime authorities enhance maritime domain awareness and surveillance through detection, identification and analysis have been revolutionary.

Support National Security Programs
ORBCOMM is a leading provider of satellite AIS data service for maritime agencies around the world. In May 2004, the U.S. Coast Guard awarded ORBCOMM a contract to develop and supply AIS service to meet their national security requirements. ORBCOMM's AIS service collects vessel data globally using its low-Earth orbit (LEO) satellite network, including vessel identification, cargo status and notice of arrival for port authorities.

By utilizing ORBCOMM's AIS service, security and intelligence departments around the world can know where nearly every vessel is located, where it is going and when it will get there. These agencies can use this valuable data to quickly react to anomalies at sea such as suspicious movements, route deviation and other unusual behavior.

ORBCOMM AIS in Action
The use of data fusion by merging ORBCOMM's satellite AIS data with sensors such as electro optical imaging and Synthetic Aperture Radar (SAR) enables the rapid and reliable identification of AIS-emitting vessels and highlights non-AIS-emitting vessels. This data has proven to be beneficial for government authorities responsible for security, fisheries, exclusive economic zones, and environmental monitoring in improving security and safety efforts.

From more efficient management of port traffic, to support of national surveillance initiatives, to collision avoidance, ORBCOMM's leading satellite AIS service is helping to keep global waterways safe and secure.