The VSS solution provides detailed information about all sea-going vessels over 100 Gross Tons and tracks all vessels regardless of size that have an onboard AIS transponder. VSS continuously monitors maritime data to alert you to matters related to your interests.

**VSS delivers key maritime data from IHS Maritime & Trade and the official Lloyd’s Register of Ships:**

**SHIPS**
Detailed information about all propelled seagoing merchant vessels of 100 GT and above. This includes ships on order and under construction, the current trading fleet, ships in casualty, lost or broken up status. VSS provides current and historical information about each ship, including vessel characteristics, shipbuilders, ship types, machinery, owners, managers, Port State Control, inspections and casualties.

**OWNERS AND OPERATORS**
Seven levels of ownership, management and operators with full address and communication details.

**MOVEMENTS**
Current and historical vessel movements of each vessel. Typically, the VSS daily coverage includes movement information from 3,500 ports and terminals and positional reports from over 75,000 ships, which represents the majority of all commercial vessels that are actively trading.

**PORTS AND FACILITIES**
Detailed information covering over 3,500 ports world-wide encompassing all ports with significant traffic. Data available includes location, physical layout (berth maps), services available, capabilities, and owner and operator contact information.

**VSS delivers key vessel location and navigation data from multiple AIS sensor networks:**

**AUTOMATIC IDENTIFICATION SYSTEM (AIS)**
Comprehensive AIS coverage provided by multiple terrestrial and satellite-based sensor networks is fused into a cohesive picture of world-wide maritime activity. VSS accurately provides current ship position and navigation information reported by vessels with AIS transponders.
RISK ANALYSIS FRAMEWORK
The Risk Analysis Framework supports a customizable, rule-based scoring system. VSS provides a default rule set that enables your organization to use the risk analysis functionality immediately, and Global Vigilance continuously refines the default risk assessment to adapt to changing behaviors in the maritime world. In addition, your organization can employ a risk assessment tailored to your mission and your specific areas of concern.

SEARCH AND MONITORING
VSS provides powerful search and monitoring capabilities to enable your organization to identify vessels with behaviors and characteristics that match your threat profiles. Use saved searches to identify and locate vessels based on identifiers, characteristics, ownership, movement, location, and history. Monitor areas of interest. Configure VSS to monitor and to alert based on your search criteria.

VSS FUSES AN IMMENSE AMOUNT OF MARITIME DATA FROM VARIOUS SOURCE INTO A COHERENT PICTURE FOR MARINE SECURITY AND SAFETY ANALYSTS.

DASHBOARD
The interactive VSS Dashboard is designed to provide convenient access to the results of your queries and analysis. Automated analysis information is available through the Dashboard where vessel risk is indicated through visual indicators on the map. Vessel risk score is explained in detail with the vessel details on a separate page. The dashboard screen is composed of three areas that work together to facilitate analysis: map, grid and adaptive navigation tabs. From the dashboard, conduct simple searches. Navigate to information about vessels, ports, and companies organized and linked to assist with analysis. Configure VSS to monitor and alert based on search criteria tailored to your organizational mission and goals.