Introduction
Indra designs, builds and integrates state-of-the-art border surveillance systems for coastal supervision.

These systems can be integrated with legacy systems and networks to improve detection and to coordinate functionality.

The CSS System
The CSS is a sophisticated border surveillance system providing command and control capabilities and integrating state-of-the-art technologies in radar, electro optical systems and AIS as well as other sensors.

The CSS system consists of one or multiple Command & Control Centers (CCC) and a set of Sensor Stations (SS) forming a hierarchical architecture.

The sensor stations are deployed across the surveillance area and can be fixed or mobile stations.

Applications
The CSS system is specialized in:
- Detection of small boats.
- Coordination of interception units.
- 24h/365d operation (day and night).

Therefore, it is the ideal solution for:
- Protecting the country’s borders against:
  - Terrorism / Piracy.
  - Illegal immigration.
  - Drug Trafficking / smuggling.
  - Illegal Fishing.
- Guarantee sea traffic safety within national waters, coasts and ports.
- Protect strategic off-shore installations–oil platforms especially.
- Control its waters to prevent environmental disasters and act accordingly in case these take place.

The control over the maritime scenario is closely related to the borders protection, territorial integrity (EEZ), as well as to the safety and security at Seas. Coastal Surveillance Systems (CSS) cover these needs with integrated sensors and functionality to protect borders, lives, the environment and off shore critical assets.
Main references

Indra provides Coastal Surveillance System solutions based on our experience protecting over 4,500 km of borders around the world.

The SIVE project, developed for the Spanish Border Police, is a world pioneer maritime traffic control & monitoring & surveillance project. The system integrates state-of-the-art technologies in monitoring vessels, radar and electro-optical systems. This system has been installed in several locations of the coast of Spain and in different islands of the Country.

The types of Systems installed and operated are the following:

- Control Centre.
- Monitoring vessels in the responsible area of Centre.
- Integrates state-of-the-art technologies in radar and electro-optical systems.
- System can be adapted for ground or coastal surveillance.

Besides the SIVE Project, Indra’s CSS have been deployed at:
- Hong Kong SAR CSS.
- Latvia CSS.
- Romania CSS. (SCOMAR Project).
- Portugal CSS (SIVICC Project).

All the said references share most of the technology with Vessel Traffic Services (VTS). In this field, Indra’s systems can be found at:
- Port of Southampton (UK).
- Polish Port Authority (Poland).
- Port of Mohammeda (Morocco).
- Port of Cadiz (Spain).
- Port of Valencia (Spain).

Indra reserves the right to modify these specifications without prior notice.