



Press Release

INDRA WILL IMPLEMENT ITS MARITIME TRAFFIC MANAGEMENT SYSTEM IN TWO BRAZILIAN PORTS FOR 18 MILLION EUROS

- **Indra will deploy its smart vessel traffic control system in the ports of Santos and Vitória**
- **These will be the first ports in Brazil with this type of system, which will increase security and efficiency**
- **With this contract, Indra strengthens its international leading position in port and maritime systems**

Indra has won two contracts to implement its Vessel Traffic Management Information System (VTMIS), in the Brazilian ports of Vitoria and Santos, for 54 million reais (around 18 million euros) in total.

The first contract was granted by Companhia Docas do Espírito Santo (Codesa), state organization responsible for administering the port of Vitoria (Espírito Santo). Indra has been contracted to implement the maritime traffic monitoring and management system in this port, for 22.9 million reais. This solution will begin operating in 2015.

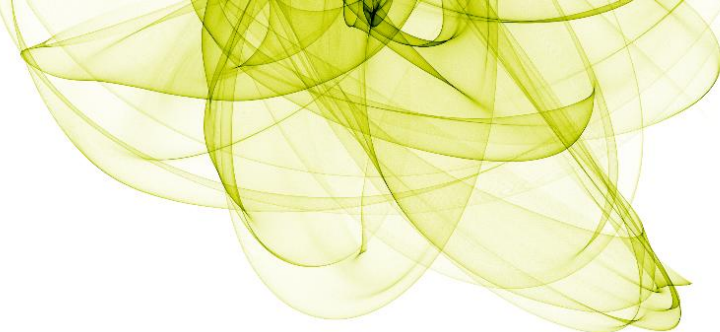
The second contract was granted by Companhia Docas do Estado de São Paulo (CODESP), managing company of the port of Santos (São Paulo), the biggest port in South America in terms of cargo volume. For 31 million reais, the contract must be completed by 2016.

Indra's solution will help to improve navigation security and increase port activity and operational efficiency: it will be possible to monitor and manage vessel traffic, scale operations, and to obtain information about the area's environmental conditions, in real time and within an integration operational environment.

This system is able to efficiently manage complex situations derived from heavy maritime traffic or dangerous cargo. It also strengthens security in adverse environmental conditions and environmental risk situations, as well as control of navigation restricted areas.

Complete port overview

Indra's VTMIS iMare system will be deployed in the ports of Santos and Vitoria, and port operators will benefit from an integrated maritime overview based on digital and standardized



nautical charts. The system comprises tools for safe management and ordering of sea traffic, and integrates with other port operation management systems under the umbrella of the "paperless port" program. Each vessel will be clearly identified on the operator's screen, with information about its exact position, cargo and route. The operator will also have access to the maritime communications system, and will be able to contact and exchange instructions with the vessels.

The system is controlled, operated and managed from a coordination center, where data from a series of sensors is gathered. In the specific case of Santos and Vitória, it is based on radar systems that monitor vessel movements in the port and nearby waters.

The system is complemented by a group of base stations, repeaters and Automatic vessel Identification System (AIS) receivers that collect identification information sent by the vessels. This information is checked by electro-optic systems that detect vessels under daytime and nighttime conditions.

Additionally, the system integrates environmental sensors for data about weather and climate conditions, and hydrographic sensors for information about tides and currents – data necessary for secure maritime traffic management.

The iMare system will merge information from the radar systems with data from the automatic vessel positioning system (AIS system), the digital SOS call system (DSC system), and weather and tide stations. It will also have access to and the ability to control the cameras providing visual confirmation of all information.

Ocean safety

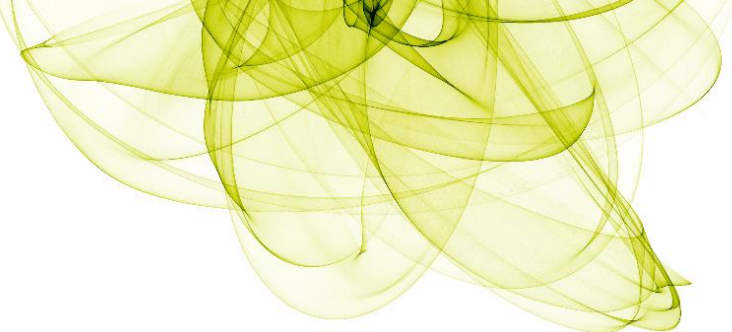
Indra is a pioneer in deploying maritime surveillance systems. The company leads the European R&D project Perseus aimed at ensuring security on all Mediterranean coasts. And countries such as Spain, Portugal, Latvia, Romania and Hong Kong use Indra's systems to control vessel movement in their domestic waters.

Indra has also implemented its maritime traffic management systems (VTMIS) in Cádiz, Valencia, Morocco, United Kingdom and Poland. In Poland, Indra's system manages traffic in the Polish waters of the Baltic Sea, covering the 11 biggest ports in the country (with more than 80 million tons of cargo per year) and the mouth of the Oder river.

In Latin America, the multinational company is one of the main technological providers for the Panama Canal expansion project, and is expanding and modernizing the global technological platform of the port of Valparaíso in Chile (PCS SILOGPORT). Recently, Indra has also been awarded the contract to install the automation system for cargo access and customs control in the port of Montevideo (Uruguay).

About Indra

Indra began operating in Brazil in 1996 and is one of the main IT (Information Technology) companies in the country. Its team currently includes more than 7,500 professionals, and the



company serves a wide area with offices in the main Brazilian states and five software labs. The multinational company offers diverse high added value solutions and services for the Financial, Energy and Utilities, Telecommunications, Public Sector and Healthcare, Industry, Transport and Traffic and Defense and Security sectors.

Indra, chaired by Javier Monzón, is one of the world's largest consultancy and technology multinationals, a leader in Europe and Latin America and is expanding in other emerging economies. Innovation is the cornerstone of its business, which is highly focussed on the customer and on sustainability. The multinational is one of the leaders in its sector in Europe in terms of investment in R&D and innovation, having invested more than €570M in the last three years. With sales approaching €3,000 million, it employs 43,000 professional and has customers in 138 countries.