



indra

Press Release

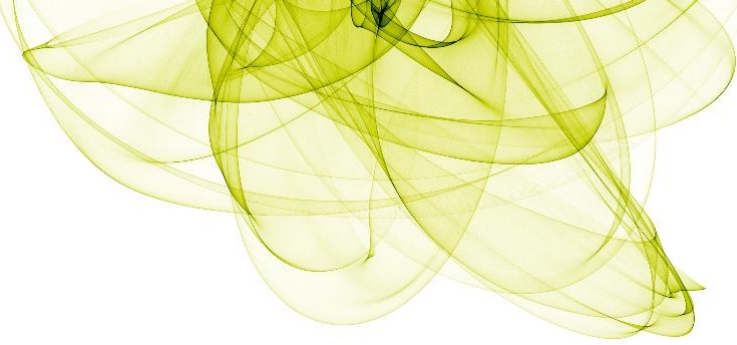
INDRA TO DEPLOY ITS LEADING RAILROAD CONTROL AND SIGNALING TECHNOLOGY ON HIGH-SPEED RAIL LINKS TO BURGOS AND LEON FOR MORE THAN €35MN

- **Indra, alongside Alstom and Bombardier, is part of a consortium awarded the contract to supply ERTMS level 2 signaling systems to the Valladolid-León and Venta de Baños-Burgos high-speed rail lines**
- **The multinational will provide the software that controls the full signaling system (CTC), as well as national automatic train protection systems and security sensor concentrators based on Indra's innovative *safety* platform, as well as the associated sensors**
- **Indra will also install the entire fixed telecommunications network, security systems and DaVinci system, which was developed in partnership with Adif, to control rail traffic on the new lines**
- **The contract further reinforces Indra's position in the rail signaling business and consolidates its leading role in railroad system management**

Indra is to deploy its proprietary and cutting-edge railroad control, security and signaling technology to the high-speed rail lines between Valladolid and Leon and Venta de Baños and Burgos for more than €35mn. The company will additionally receive sums for facility maintenance. Along with Alstom and Bombardier, Indra is part of the Adif consortium that won the contract to install ERTMS level 2 signaling systems on the new lines and perform maintenance on the same for 20 years, for a total in excess of €410mn.

The project confirms Indra's standout position in rail signaling, with the multinational responsible for deploying the Centralized Traffic Control system on the new line. This is the software that centralizes and controls all signaling systems required for the line to operate properly. The company will also supply auxiliary detection systems and security sensor concentrators, based on an innovative *Indra safety* platform. This is the vital processing system that guarantees the security of rolling stock and full integration with the various signaling systems.

The lines will also benefit from the latest version of Indra's ASFA system (Signal Announcement and Automatic braking), the Spanish ATP (automatic train protection) security system, thus enabling safe use of the rail infrastructure and automating the control and supervision of train traffic. The digital ASFA system developed by the company has been installed on approximately one third of all trains operating in Spain, but this the first time that Indra has implemented the ASFA system on-track.



As part of the project Indra will also supply systems for telecommunications, video surveillance, access control and all general security systems.

Leader in rail management

The DaVinci system, developed by Indra and the intellectual property of Adif, will manage train traffic on the line just as it does on the rest of the Spanish high-speed train network. The multinational will harness this platform to provide the Control and Regulation Center (CRC) for the new high-speed rail links.

The solution supports automation and integration of all processes required for the proper functioning of a high-speed rail system.

With this new contract, DaVinci further consolidates its position as the world's most advanced rail management platform, with systems in countries such as Colombia, Lithuania, Morocco, Saudi Arabia and elsewhere.

Cutting-edge technology for the industry

Indra's commitment to the rail industry and innovation has placed the firm's solutions at the global vanguard of the rail industry. In partnership with highly innovative Spanish clients, Indra has developed latest generation solutions that are already operational in countries such as the USA, Mexico, Colombia, China, India, Malaysia and elsewhere.

The Mecca-Medina high-speed line in Saudi Arabia will also use Indra technology, with the firm being the technological partner of the Spanish consortium due to build the line. This is the biggest overseas contract ever won by Spanish businesses. The project unlocks the value of top-tier Spanish technological development with strong potential for export.

Furthermore, Indra continues to invest in innovation and the development of latest generation rail technologies, shaping the future of the ERTMS Level 2 and ASFA digital systems, among other technologies.

Indra, chaired by Javier Monzón, is Spain's number 1 consulting and technology multinational and one of the main multinationals in Europe and Latin America. Innovation and sustainability are the cornerstone of its business, having assigned over €570 million to R&D&I in the last three years, a figure that places it among the top European companies in its sector in terms of investment. With approximate sales of €3,000 M, 61% of its sales revenue is from the international market. It has 42,000 employees and customers in over 138 countries.