

INDRA SUCCESSFULLY IMPLEMENTS AND TRANSITIONS ADVANCED CLOUD-BASED 3rd GENERATION INTEROPERABILITY PLATFORM FOR ALL TOLL MOTORWAYS IN IRELAND

- **The platform simplifies electronic tolling by facilitating the exchange of transaction data to different PPP toll charger / toll tag providers, and allows travellers to use the country's 12 motorway toll points with a single tag account**
- **The close collaboration with Transport Infrastructure Ireland, toll chargers/toll service providers and outgoing service provider, and Indra's proven ability to tackle complex projects with multiple operators have been key to carrying out the migration to the new platform on time and with maximum customer satisfaction**
- **Indra will thus reinforce its position as a leader in interoperable technology for electronic mobility payment and advanced electronic toll solutions, with projects in countries such as the United States, Canada, Mexico, Chile, Colombia, Australia, the Philippines, Israel, Portugal and Spain**

Madrid, 6 March 2023 - Indra has successfully completed the implementation and commissioning of Ireland's 3rd generation Toll Interoperability Management Platform (IMP) for Transport Infrastructure Ireland (TII). The new cloud platform simplifies electronic toll collection (ETC) on all motorways in the country by making it easier for toll collectors/toll service providers to exchange transaction and payment data, allowing domestic and European drivers with a toll service account to use all toll roads in Ireland, regardless of the provider.

Built on an advanced clearing house system in Microsoft's Azure cloud, with a microservices architecture, the platform verifies, consolidates and distributes transaction data from motorway PPP Toll collectors and toll tag providers to ensure the correct payment of tolls. In accordance with the data exchange standard and a European directive, the platform complies with the European Electronic Toll Service (EETS) and equivalent standards for electronic fee collection. It is open, flexible, modular and scalable, and is ready to incorporate new functions and transactions that may be required in the future, as a result of advanced mobility policies such as mobility-as-a-service.

The platform is now operational, providing 24/7 management and support for the interoperability service. Indra is responsible for the maintenance and operation of the platform for five years, until 2028 with options to extend.

In addition to the advanced technological solution implemented, the management of this project has been particularly complex due to the large number of parties involved beyond TII, such as the different PPP toll chargers and toll tag providers, whose systems and processes had to be integrated into Indra's IMP solution. A high level of collaboration between Indra, Transport Infrastructure Ireland supported by advisors Arup, the outgoing service provider and the toll chargers / toll tag providers, as well as the company's proven ability to tackle complex projects with multiple stakeholders have been key to the success of the project.

"We are very pleased with the work done in partnership with Transport Infrastructure Ireland. In a project of this nature, migration from the existing platform is critical and requires months of careful preparation and testing to ensure a seamless transition for end users, while ensuring that no transactions are lost. We successfully achieved the migration to the new platform in a seamless manner, as planned without service incidents," explains Mark Rocky, Indra's Mobility Business Development Director for Europe.

With the completion of this project, Indra contributes to TII's goal of providing sustainable transport infrastructure and services for a better quality of life, economic growth and environmental responsibility.

Leader in advanced and interoperable platforms

Thanks to its complete and innovative line of revenue collection solutions, Mova Collect, and its platform specialised in smart mobility, In-Mova Space, which provides a transversal vision of mobility management and transport infrastructure operation, Indra has become one of the global leaders in interoperable technology for electronic transport payment and advanced electronic toll collection solutions.

The company has implemented its toll technology in countries such as the United States, Canada, Mexico, Chile, Colombia, Australia, the Philippines, Israel, Portugal, Spain and Ireland itself, where its back-office technology has been installed on six motorways, accounting for around 45% of the country's roads, including the one linking Dublin to the Northern Irish border.

Indra's toll Back-office solution is also one of the most advanced available to date, incorporating Artificial Intelligence and deep learning capabilities, integration with connected vehicles and with the company's automatic vehicle occupant detection system. Thanks to these advances, Indra has implemented an advanced toll system on the I-66 highway in the United States that allows the highway to be operated with an innovative dynamic pricing system.

Innovation has already led Indra to pioneer free-flow and multi-concession toll systems. Indra is now moving towards the Managed Lanes model, which makes new, more sustainable mobility policies possible, and whose implementation is growing in the United States and has great potential in accesses to large European cities.

Indra has a unique experience in the Transport sector, with more than 2,500 projects developed in more than 100 cities and more than 50 countries. Its product range for Transport, Indra Mova Solutions, covers the full life cycle of its customers' projects and combines the new digital, integration, specialisation and innovation capabilities demanded by the market, with the reliability, business knowledge, Indra's own technology for transport and the unique experience of its team of professionals.

About Indra

Indra (www.indracompany.com) is one of the leading global technology and consulting companies and the technological partner for core business operations of its customers worldwide. It is a world-leader in providing proprietary solutions in specific segments in Transport and Defence markets, and a leading firm in Digital Transformation and Information Technologies in Spain and Latin America through its affiliate Minsait. Its business model is based on a comprehensive range of proprietary products, with a high-value, end-to-end focus and with a high innovation component. In the 2022 financial year, Indra achieved revenue totaling €3,851 billion, almost 57,000 employees, a local presence in 46 countries and business operations in over 140 countries.