

Intelligent Cargo

Companies, industries and people depend on the safe, secure and timely transport of goods around the world. But are our logistics systems sufficiently equipped to serve the needs of the 21st century?

With the logistics sector in a state of contraction, the route to success is clear. It points to intelligence that will streamline the flow of information across your business and ensure the efficient transport of goods to their destination.

CGI's Intelligent Cargo solution supports companies in managing the logistical and administrative requirements for transporting goods, regardless of load size.

THE CHALLENGE

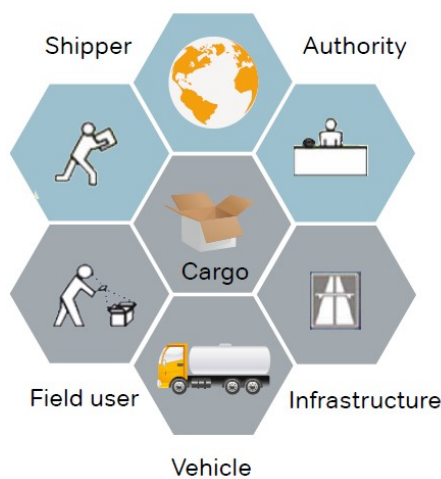
Many tracking solutions support only very specific business processes and are often limited in handling goods that move across different business domains and involve different modes of transport. By combining technology with intelligence, Intelligent Cargo addresses these limitations while improving the efficiency of supply chains, reducing emissions, ensuring product integrity and improving regulatory compliance.

Intelligent Cargo gives organizations complete control over the supply chain. It streamlines the information flow across business domains, lowers technical and semantic barriers, and enables business process improvement.

WHAT INTELLIGENT CARGO OFFERS

Intelligent Cargo provides a neutral, decentralized ICT infrastructure that allows real-world objects, new planning services, including CO₂ calculation capabilities, and existing systems to co-exist and efficiently cooperate at an affordable cost for logistics stakeholders.

Our vision for intelligent cargo is to facilitate automatic, reactive decision-making and to integrate real-time information with planning processes to optimize environmental performance, including current information about traffic and transport infrastructure conditions.



BENEFITS DELIVERED

- Increased efficiencies and time savings as a result of higher load factors and streamlined administrative processes
- Improved quality and service
- Cost savings of up to 20%
- Increased collaboration among various logistics partners so that they work together as one chain
- Mapping of all goods, making them traceable during transportation
- Support for track-and-trace in intermodal transport; route information about a load is available for the entire transport chain
- Monitors legislation and rules, customs formalities and cargo condition

With Intelligent Cargo:

- Vehicles can talk to systems and to each other to synchronize movements and logistics operations across various modes and actors to become more efficient and lower CO₂ emissions
- Logistics services can be adapted to changing conditions through dynamic planning methods involving intelligent cargo, vehicle and infrastructure systems
- Services, resources and information from different stakeholders can be combined as an integrated part of an open freight management ecosystem

OUR EXPERTISE

CGI has been privileged to work with some great clients throughout our 35+ years in business. Some of the major intelligent cargo projects we have been involved with across the globe include:

- **European Union innovation projects:** We are proud to be involved in the EURIDICE and iCargo projects to help build an intelligent cargo ecosystem that will provide the most advanced information services for freight transportation in Europe. EURIDICE, which stands for European Interdisciplinary Research on Intelligent Cargo for Efficient Safe and Environmentally-Friendly Logistics, is co-funded by the European Commission.
- **Sample current pilots:**
 - **Smart sensors:** Smart sensors continuously measure load temperatures, report them from start to finish, and integrate details with ERP systems. Transport companies can take action remotely to prevent damage to perishable goods.
 - **Emissions monitoring:** Factors that influence the environment are measured throughout the transport chain, shared, and reported, enabling multi-mode transport to be optimized based on emission values.
 - **Real-time asset management:** Track-and-trace of multi-mode transport enables all products to be traced by the client, including their respective transport conditions.

ABOUT CGI

Founded in 1976, CGI is a global IT and business process services provider delivering high-quality business consulting, systems integration and managed services. With 68,000 professionals in 40 countries, CGI has an industry-leading track record of delivering 95% of projects on-time and on-budget, aligning our teams with clients' business strategies to achieve top-to-bottom line results.

For more information about CGI, visit www.cgi.com, or email us at info@cgi.com.