



## The challenge

**How to approach decarbonization goals in the transport sector and make the energy transition sustainable?**

The transport sector faces a distinct set of intricate challenges, influenced not only by the specific mode of transport (on-road/off-road, railways, aviation, waterways), but also by a wide range of factors, including the type of service (passenger or freight), the logistics demands of the industry, local regulations, geographic conditions, market readiness, and more. In this context, the following considerations are crucial for a comprehensive understanding of this sector. Here there are some of those **key considerations**:

- **The transport system:** what are the key operational and logistic conditions? Who are the stakeholders related?
- **Technologies and supply chain:** which zero/low-carbon technology should be implemented? What are the supply requirements? What business and financial model should be adopted?
- **Enablers:** what are the social and environmental impacts for public and private sector? Who are the potential partners and available funding sources?
- **Become a reality:** what is the pilot project and the scaling up roadmap? How to initiate through a pilot project? What would be the roadmap for scaling it? How to monitor the achievement of objectives?



## Our holistic approach goes beyond minimizing cost

**A complete solution, from identifying optimal solutions and structuring a pilot project, to monitoring its progress and scaling up to full commercial implementation of large-scale projects.**

Hinicio has developed five service lines for transport solutions, covering the entire value chain and all modes of transport (road/off-road, railways, waterways and aviation).



**Business & Strategy**



**Project Development Assistance**



**Investment Advisory**

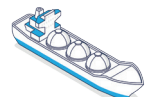
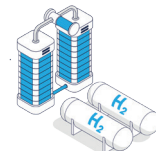


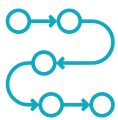
**Policy & Regulation**



**Digital solutions**

We bring to you our expertise in low carbon technologies and new supply chain infrastructure, **either in the form of electrons or molecules.**





## Navigate your project to success with Hincio's expert sustainable transport team

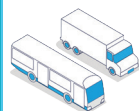
Hincio will go deep into the transport decarbonization solution by analyzing both, the infrastructure supply chain and the transport technologies

- 1. Project Inception:** initiate by understanding the operational requirements and constraints of the transport system that needs to be decarbonized.
- 2. Technology and Market Analysis:** we identify, select and connect OEMs/Vendors to the project and accelerate the implementation phase.
- 3. Techno-economic Assessment:** provide insights, KPIs and business case to support decision-making for multiple low/zero emissions technologies
- 4. Value Chain Optimization:** we optimize transport energy supply solutions to reduce costs, avoid operational bottlenecks, maximize the use of affordable clean energy, and identify the best locations for this infrastructure.
- 5. Tailor-Made Solutions:** decarbonizing transport is a complex challenge, influenced by local ecosystems, regulations, and operational constraints. At Hincio, we offer flexible and responsive solutions, delivering customized approaches tailored to each unique context and requirements.



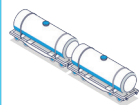
### Why choose Hincio's transport expertise?

More than 100 studies developed globally across different transport modes



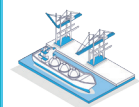
#### Road/Off-road:

- Freight transport
- Passenger transport (public/private)
- Material Handling Equipment (MHE)
- Mining trucks, Agro-machinery, port/airport equipment



#### Railways:

- Passenger and freight trains
- Metropolitan and long-distance trains



#### Waterways:

- Maritime transport
- Fluvial transport
- Port infrastructure



#### Aviation:

- Sustainable Aviation Fuel (SAF)
- Airport infrastructure

**HINCIO** is a leading technical and strategic consulting firm **specializing in hydrogen and its derivatives, sustainable transport, and industry decarbonization.** We advise governments, companies, and international organizations across Europe, the Americas, Asia, Africa, and the Middle East.

### Contact us

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"Understanding your project from every angle is not just our philosophy, it's our promise."