

# Smart Corridor

A smart port is an intelligent, connected, high-performance, sustainable, collaborative and innovative port. A port based on information technology and digital technology.

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The notion of "smart" is in HAROPA's DNA. In 1980, the port of Le Havre had already invested in SOGET, which was developing one of the first "Port Community Systems", a software program to streamline procedures related to freight transport operations.

But this historic ambition would have remained dead in the water if HAROPA had not embarked on its own digital revolution: the "smart corridor" which makes Le Havre, Rouen and Paris connected, innovative and collective ports, constituting an innovative port corridor to improve the quality of services for customers and territories in a sustainable way.

## **HAROPA Smart Corridor: an attractive ecosystem for optimized flow management**

- › Uncongested port
- › Accessible 24/7 to all mega-container ships without tidal constraints
- › A first-rate international maritime offer
- › A major maritime hub in Europe with a competitive and sustainable logistics system: 1st logistics hub in France, warehouses of all sizes (small modules to XXL) connected to all modes of transport
- › A network of modern and fluid river, rail and road infrastructures for an efficient and ecological service to the hinterland

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- - A multimodal terminal dedicated to the massification of flows and the rapid movement of goods

## SMART

because it aspires to develop a new model of urban and industrial port territory integrated through innovation.

HAROPA relies on the development of intelligent data management tools to improve the quality of service for its customers and the region in a sustainable way. A port capable of modernizing its facilities and assets to increase economic performance while limiting its environmental footprint.

## CORRIDOR

because it has a land-use planning function. Shipping companies, terminal operators, customs, carriers etc. : the multiplicity of stakeholders makes the supply chain complex. Within this ecosystem, HAROPA appears as a geographical space similar to a vast corridor, capable of interconnecting all players so that each stakeholder can receive and share relevant information in an efficient way.

## HAROPA's ambition is based on four challenges:

OPEN  
LOGISTICS

OPEN



OPEN  
MINDS

OPEN

## 1 - Open logistics

State-of-the-art technologies to facilitate the flow of goods

Guaranteeing the competitiveness of port areas, the fluidity of the transit of goods from the port to the hinterland is a priority issue for HAROPA, for which digital innovation is a source of opportunities. Reduction of lead times and costs, speed, flexibility, traceability, there are many solutions to optimize flows.

## 2 - Open business

An intelligent and sustainable port at the service of its customers

In the field of the Green Port, there are many opportunities and they are at the heart of the considerations and actions carried out by the ports of the Seine axis. The objective is to make the energy and ecological transition a competitive advantage of HAROPA's offer. The integration of renewable energies, the circular economy and industrial ecology, the development of multimodal transport, the use of new fuels and bio-monitoring using UAVs are all ways to promote a model of research and innovation in the service of the environment.

## 3 - Open minds

An incubator for collective innovation

Because the Smart Corridor is also a unifying force, it brings together around it within the territories talented people and a community made up of companies, schools, universities, development agencies, researchers and laboratories. HAROPA has already committed itself to creating a dynamic marketplace through public and private partnerships and events to explore and develop together the question of innovation. HAROPA thus wishes to encourage the emergence of positive interactions,

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□ sharing knowledge to form a truly intelligent industrial web.

## 4 - Open community

A new model of an integrated urban and industrial port territory

The Smart Corridor is finally intended to become a "territorial hub" with a human and civic dimension with added value. The ambition is to develop links with the city and its inhabitants, but also with the interior of the territories so that everyone can fully benefit from the advantages of port development.