

HAROPA SMART CORRIDOR



Port Digitalisation Conference

VIENNA

11th April 2019

HAROPA, port synergy

LE HAVRE + ROUEN + PARIS PORTS

2018 global maritime traffic: 94,4 Mt

2018 maritime containerized traffic: 3 M TEU

2018 river traffic 22,1 Mt

**Unique port in Europe to
accommodate 24h/24
supertankers up to 550,000
dwt**



**#1 European port for the
grain export**



#1 French container port



**#1 French port for
breakbulk**



A dedicated offer for our customer

An offer based on 4 main areas with tailor-made solutions

Container shipping
services

Customs

Multimodal

Logistics real-
estate & land

Economic, ecologic and fast solutions for a end-to-end competitive Supply Chain

- Reliability on delivery,
- Social reliability,
- Rapid goods go,
- Transport solutions for the hinterland, back-up solutions,
- Big data management.

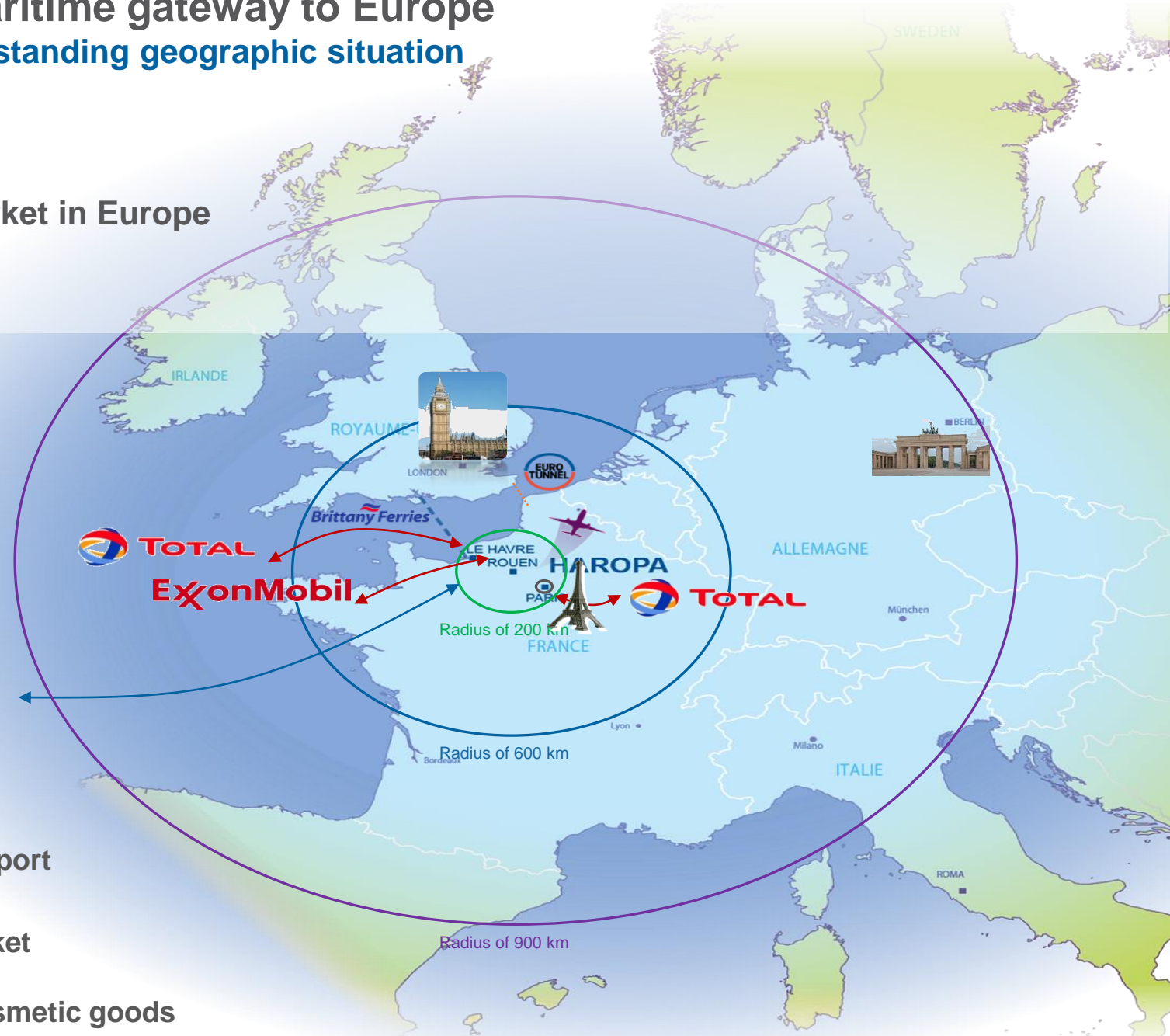


The maritime gateway to Europe

An outstanding geographic situation

Close to the largest consumer market in Europe

- 12 million consumers
- 25 million consumers
- 200 million consumers
- 300 million consumers



#1st European freight airport



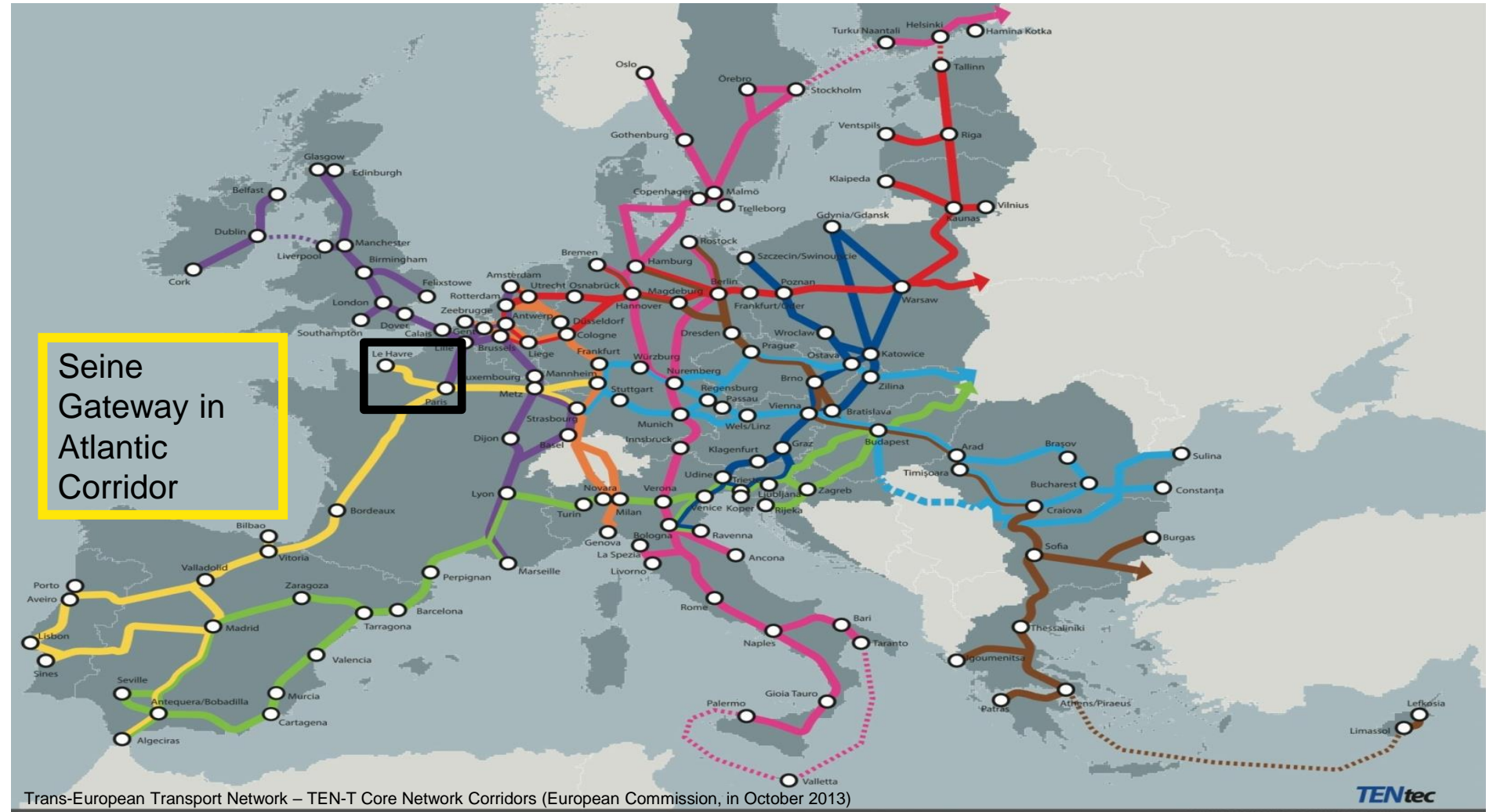
#1 World fresh food market



#1st World cluster for cosmetic goods

HAROPA

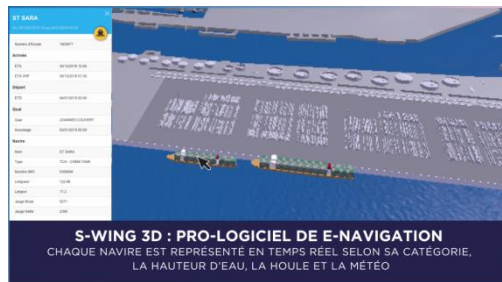
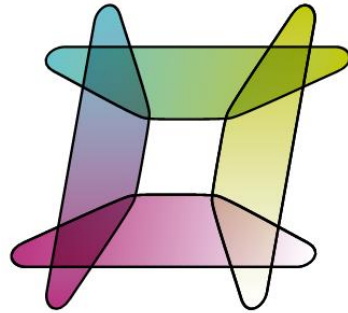
One port system connected to 2 european corridors: North Sea Mediterranean / Atlantic



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OPEN LOGISTICS

Digitalisation of logistic chains in connection with industrial processes



Actions

- Port Community System “S-Wing” + Dangerous goods management “Timad”
- Cargo community System “S One”
- River Digital Portal (SIF)

Projects

- Harbour master of the future
- Smart mobility (road traffic regulation centre)
- 5G experimentations with NOKIA

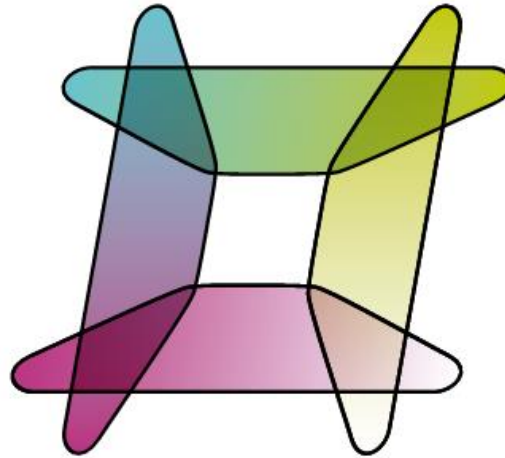
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OPEN LOGISTICS

Digitalisation of logistic chains in connection with industrial processes

OPEN BUSINESS

A sustainable port at the service of its clients ; business community



OPEN MINDS

Driving collective innovation ; building community

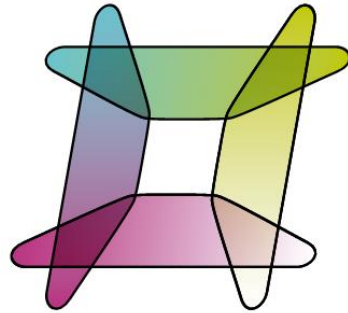
OPEN COMMUNITY

A new model of integration of port city development

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OPEN BUSINESS

*A durable port at the service of its clients ;
business community*



Actions

- Synerzip : Federation of local major industries
 - Collective risk management
 - Innovative Business development : power supply, smart grid, 5G, collective heating,...
- Off shore Wind turbine (Siemens Gamesa, Engie, EDF)

Projects

- Air Lab : air quality monitoring (Atmo Normandie)
- Maritime Big Data Platform (Sinay)
- Soft mobility : Smart grid and 5G (Siemens, Nokia, EDF)

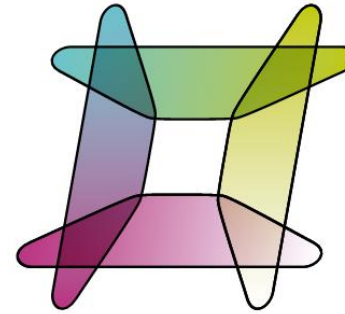
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Actions

- Hackathon : Le Havre 2016, Rouen 2017, Paris 2018
- Meet-up Smart Port : Le Havre 2017, 2018
- Trafis Lab, first ever in France public-private lab dedicated to international trade facilitation (SOGET, French Customs, Le Havre University, HAROPA)

Projects

- Innovation Hub
- Collective Data Utility Platform (Orange)



**OPEN
MINDS**

*Driving collective innovation ;
building community*



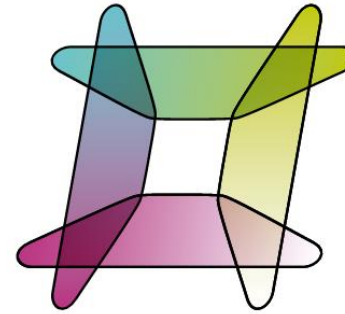
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Actions

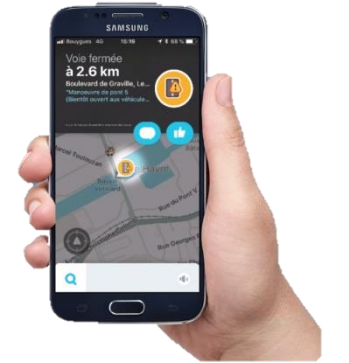
- Port Center Le Havre : educative and information center about port activities
- Waze partnership : direct data exchange between WAZE and port authority information traffic management systems

Projects

- Port Center 2.0 : immersive experience, citizen oriented, collaborative tool between the port community and the city
- Smart Cruise : more services to the passengers
- Mobismartport : new mobility services in the port and industrial zone



**OPEN
COMMUNITY**
*A new model of integration of port
city development*



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HAMBOURG,
18, 19, 20 mars 2019

THANK YOU

HAROPA SMART CORRIDOR

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THANK YOU