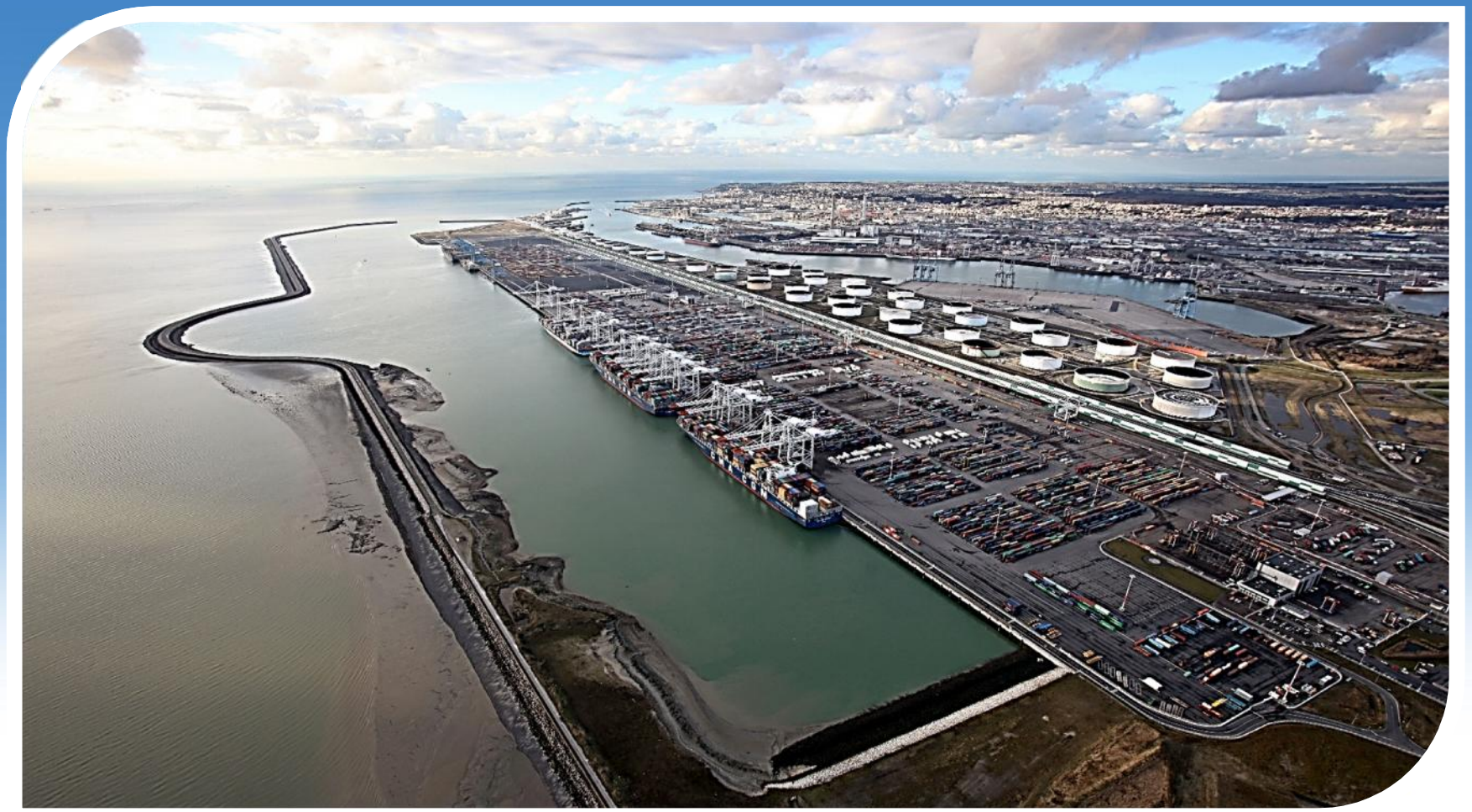
IPER LE HAVRE

EM NORMANDIE

January 2015

Bunkering with low emission fuels in ports – The case of Port of Le Havre



Bunkering with low emission fuels in ports

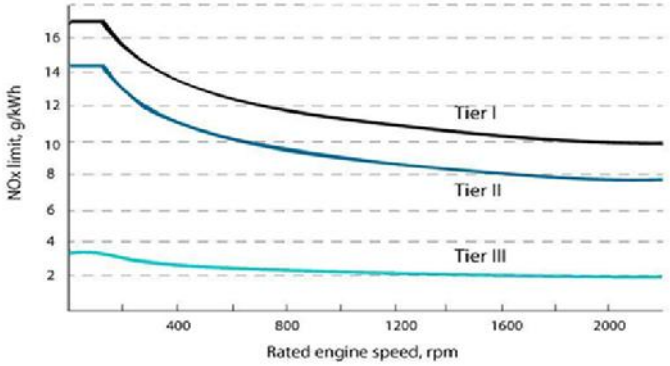
Legal framework

January 2015

Marpol VI

Directive 1999/32/EC modified by:
Directive 2005/33/EC +
Directive 2012/33/EU

Directive 2014/94/EU

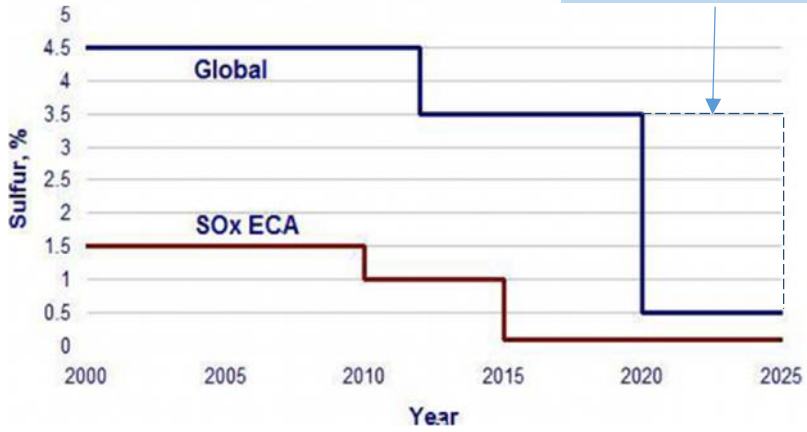


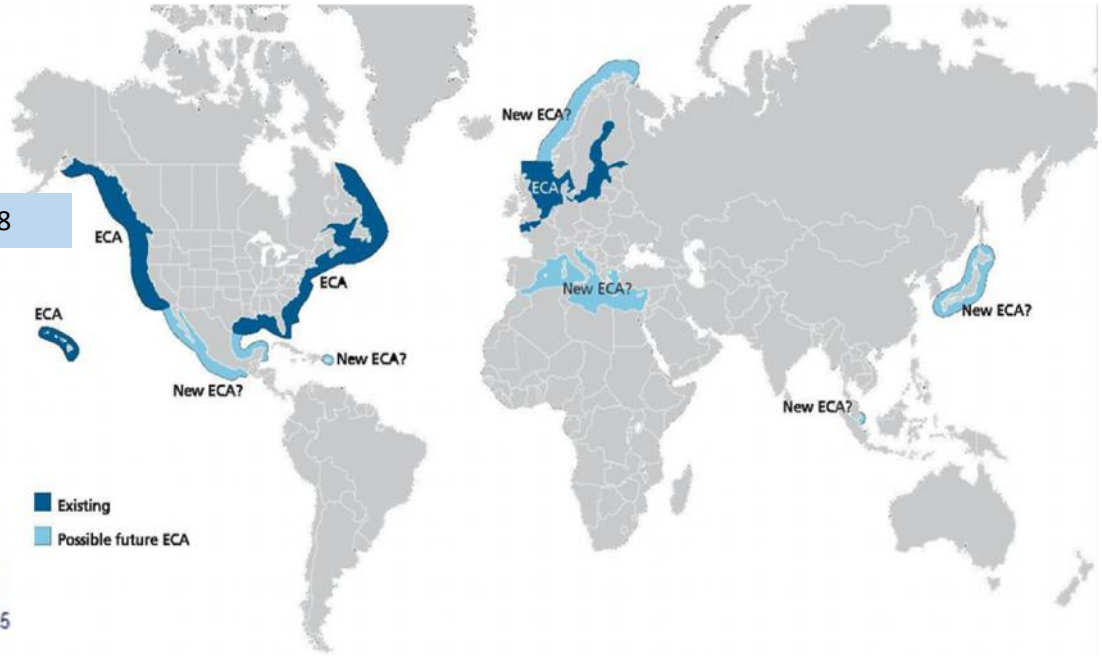
01/2000 – 01/2011

After 01/2011

After 01/2016 in ECA

Review in 2018

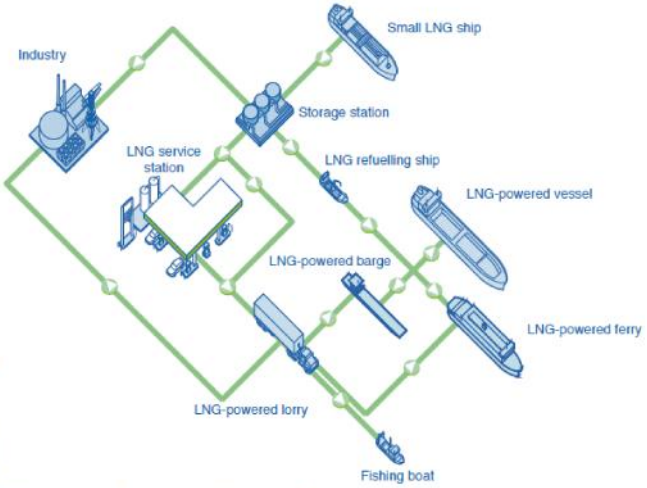




SAFE SECA PROJECT

Stakeholders and purpose

Janvier 2015



SAFE SECA PROJECT

Three different activities

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1

General studies on the low emission fuel market inside the perimeters, update the ports local regulations for handling dangerous goods to allow bunkering operations, lay on low emission fuel bunkering scenarios, propose strategies to develop LEF bunkering solutions fitting with the market

- Identification of low emission fuels presenting a potential for vessel bunkering
- Risk assessment linked to LNG bunkering of vessels in stakeholders' ports
- Integration of the studies' conclusions in the regulations of stakeholders' ports
- Elaboration of a strategy aiming at facilitating development of a local GNL bunkering network

2

Setting up a high level training program

- Transmission of necessary technical and background knowledge
- Control of potential risks of LNG bunkering activities
- Capacity of supervising those activities

3

Dissemination and reproducibility of the project

- Communication on a National and European Level on results of the project in order to allow development of similar initiatives
- Organization of a final conference

AIDA PRIMA PROJECT

Stakeholders and purpose

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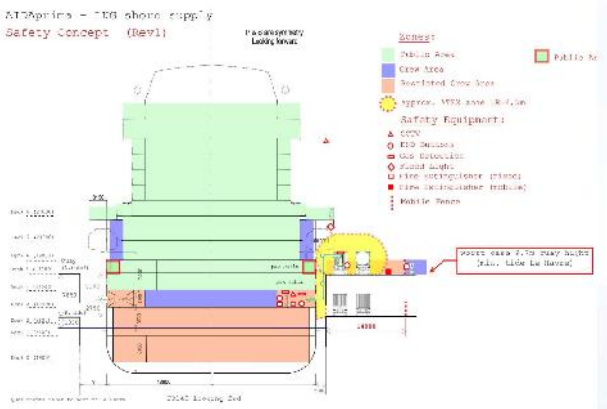
GT:	124 500 UMS
LHT:	300 m
BM:	37,6 m
TE:	8,1 m
Pax:	3300
Crew:	900

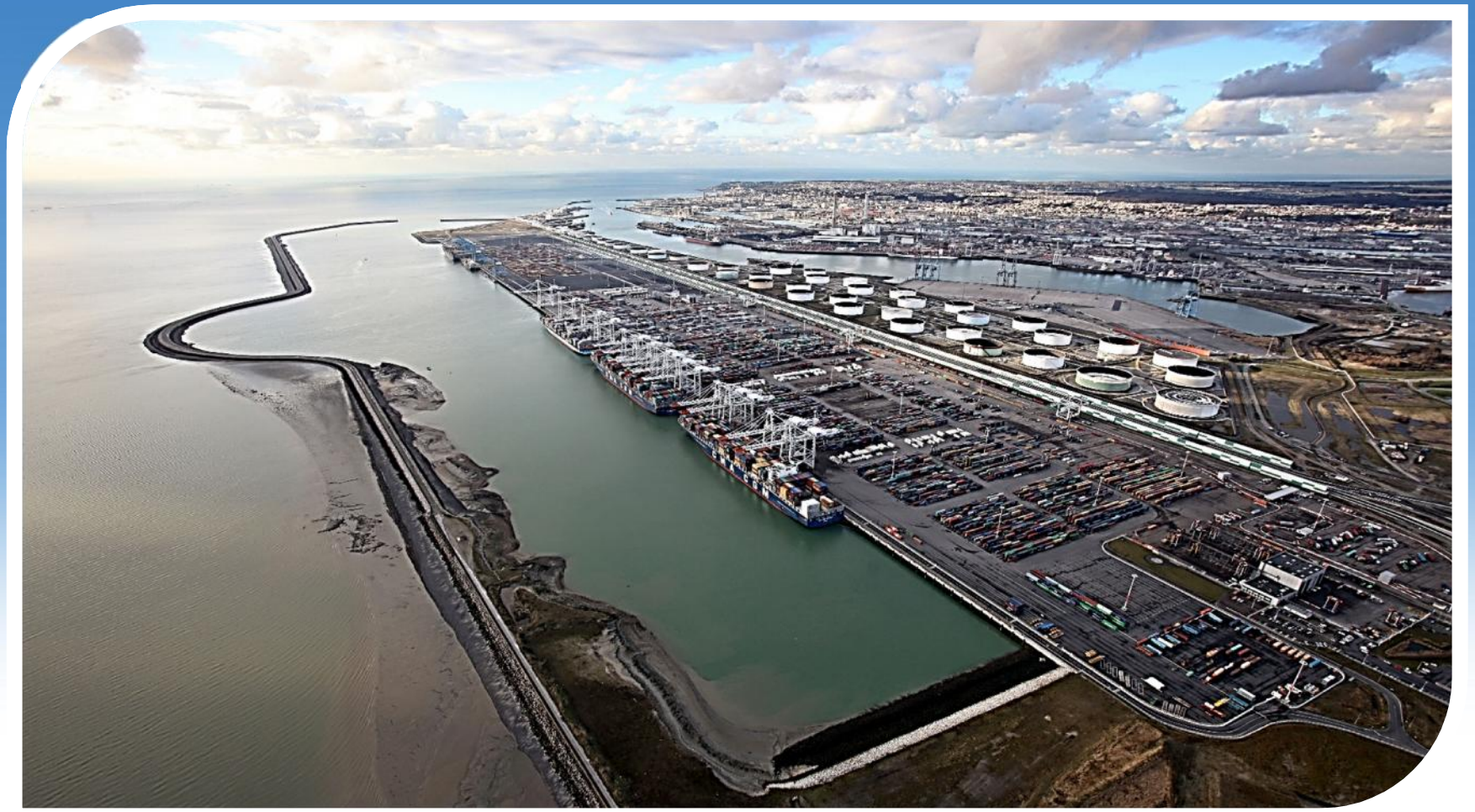


SAFE SECA and AIDA PRIMA

Interest of the projects for the Port of Le Havre

Janvier 2015

- Anticipating compliance with European legislation concerning low emission fuels
- Implementing a larger sustainable development policy of the Port
- As a port without LNG Terminal, designing a possible distribution scheme corresponding to local realities
- By implementing first concrete examples, developing knowledge and experience in LNG Bunkering
- As a consequence, controlling risks and enhancing the acceptance of LNG bunkering in ports
- Developing a local LNG bunkering industry
- Using the experience and possible solutions as an example for similar ports

January 2015

Thank you for your attention !