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CONSELHO ANUAL
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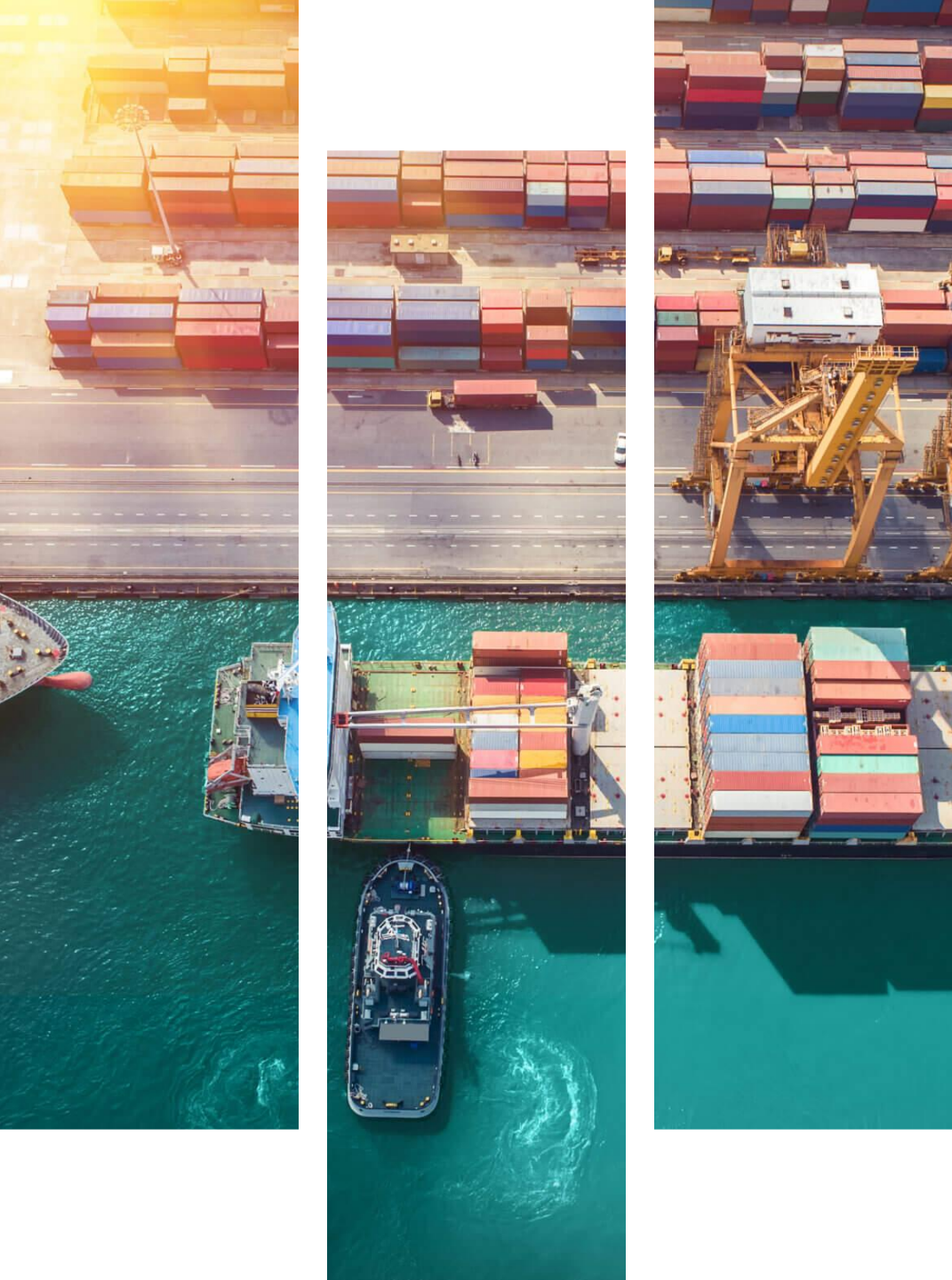
42nd PMAWCA ANNUAL COUNCIL MEETING

November 15 - November 18
Luanda - Angola

Marseille Fos 
Le port euroméditerranéen

« the energy transition strategy of the port of Marseille and the role for the port as energy hub »

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Port of Marseille Fos Authority



Be a Global Port = a responsibility



LIQUID BULK
43 MT



SOLID BULK
11 MT



GENERAL CARGO
21 MT



DONT CONTENEURS
1,5 M EVP



DONT RO-RO
215 000 TRAILERS



PASSAGERS
CRUISE & FERRIES
1,2 MPAX



2021
75 Mt
+8%



Marseille Fos
Le port euroméditerranéen



Marseille Fos
Le port euroméditerranéen

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The energy transition strategy: a response to the paradigm shift

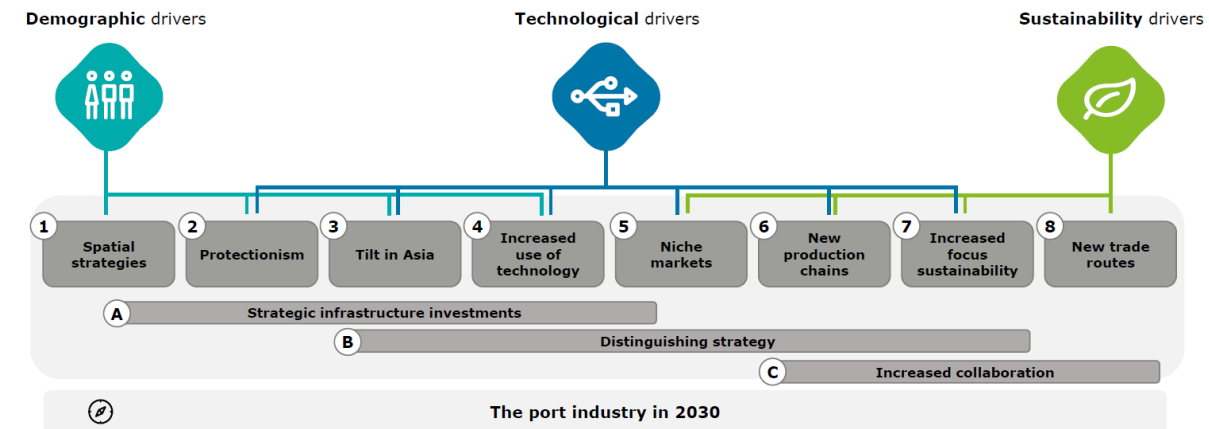
PAST DRIVERS OF GLOBAL TRADE

1990-2015
Population growth
Increasing number of consumers
Offshoring of production
Lengthening supply chains
Urbanisation
Fossil fuel-driven growth
Trade-intensive growth

FUTURE DRIVERS OF GLOBAL TRADE

2016-2040
Population growth
Ageing consumers and changing consumer behaviour
Reshoring of production
Shortening supply chains
Urbanisation without jobs creates slums
Renewable energy-driven growth
Reduced trade potential

Source: Danish Ship Finance (2017)



Four Pillars

1. Contribute to the decarbonation of the uses (shipping, industrial sector, mobility,...)

Cold ironing (Huge development in progress ; Well developed on the RoRo Corsica Market ; target 90%)

LNG bunkering (40 calls in 2019, 80 in 2021)

2. Stimulating/supporting the production of today's and tomorrow's green energy

- Photovoltaic
- Wind power (capacity installed 31 MW (one shore) ; potential for offshore in med : 1,2 Giga

Watt

- Geothermal energy (capacity installed : 82 MW ; Potential : 150 MW)
- Green Hydrogen (potential : 600 MW)
- Fatal heat
- Bio fuel

3. Structuring and encouraging the circular economy and innovation

- CO2 network, Steam network, Hydrogen network
- Other innovations

4. Decarbonizing hinterland flows to have an impact on the entire supply chain

Investments in barge and rail infrastructures, Gas and hydrogen distribution to trucks (barges and trains in project, partnerships with inland ports)



Cold ironing

Huge development in progress
e.g. : Well developed on the RoRo Corsica
Market ; target 90%



LNG bunkering

Huge development in progress
40 calls in 2019, 80 in 2021
Bunkering « ship-to-ship » and « truck-to-ship »



- **Photovoltaic**

- Capacity installed : 82 MW
- Potential : 135 MW

- **Wind farms**

- Capacity installed : 31 MW
- Potential : 782 MW

- **Green hydrogen**

- Potential : > 600 MW
- → Hub strategy

- **Recovery of waste heat**

- Potentiel : > 100 MW

- **Geothermy**

- Capacity : 50 MW
- Potential : > 5 MW

- **Biofuel**

- → research and projects in progress



Circular economy



Green energy hub
for the future !



Innovation



JUPITER 1000

ICaRe

VALHYDATE

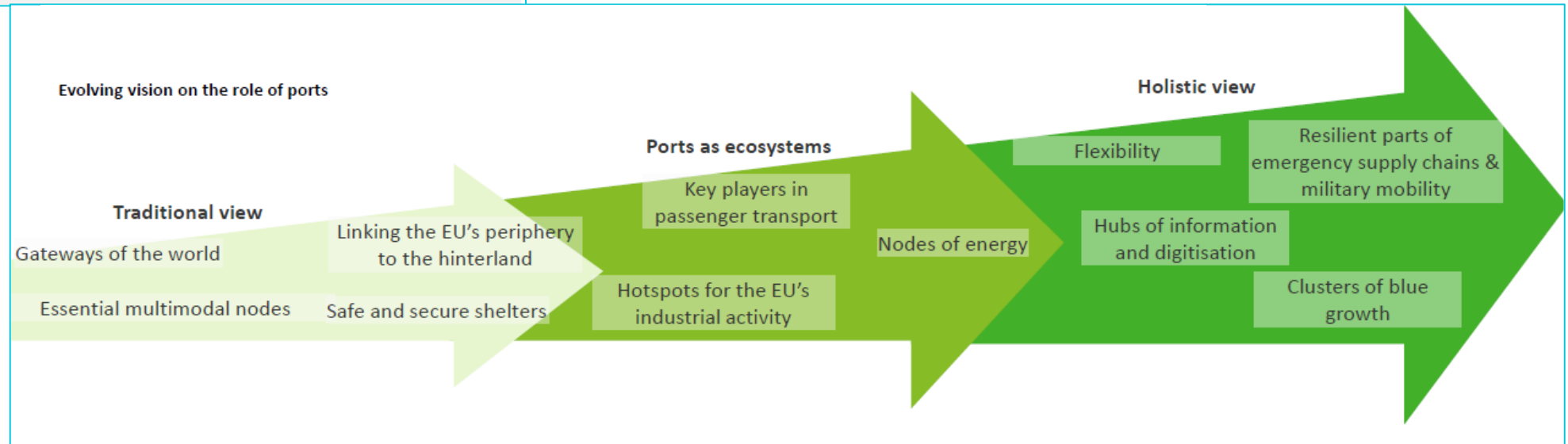
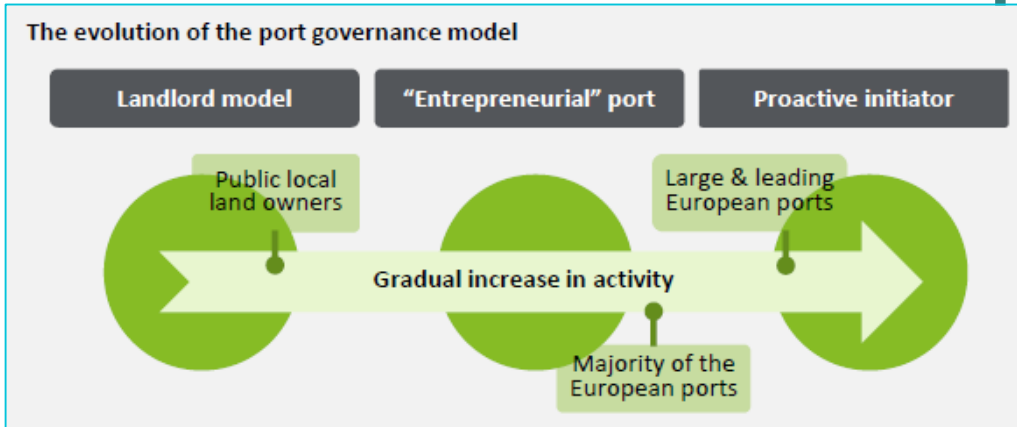
VABOSCO

Carbon4PUR

HyAMMED

HCL33%

Our strategy for the energy shift: totally included in the new vision and evolution of ports



Source : Deloitte and ESPO Study (2021)



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THANK YOU

Philippe.guillaumet@marseille-port.fr

Marseille Fos
Le port euroméditerranéen

The logo graphic for Marseille Fos features three white arrows pointing upwards and to the right, with a stylized wave or leaf-like shape at their base.



BREAK

TITLE INFOGRAPHIC



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