

Ports of Toulon Bay



An ambition: The cleanest ports in the Mediterranean!

*From business development to sustainable development:
Opportunities, challenges and solutions.*

Focus on Onshore Power Supply (OPS)

▪ COMMERCIAL ACTIVITIES

FERRIES

Toulon, leading port for Mediterranean islands

1200 calls / year | 1,7M Pax | 40M€

CRUISES

80-100 calls / year | 200,000 Pax | 9M€

RO-RO & CARGO

250 calls / year | 75,000 Trucks | 1,1 MT

A total average of **1500 calls** / year

▪ PLEASURE CRAFT

5 PORTS around the Bay

3 in Toulon, 1 in La Seyne, 1 in St Mandrier

2400 Moorings

133,000 Visitors

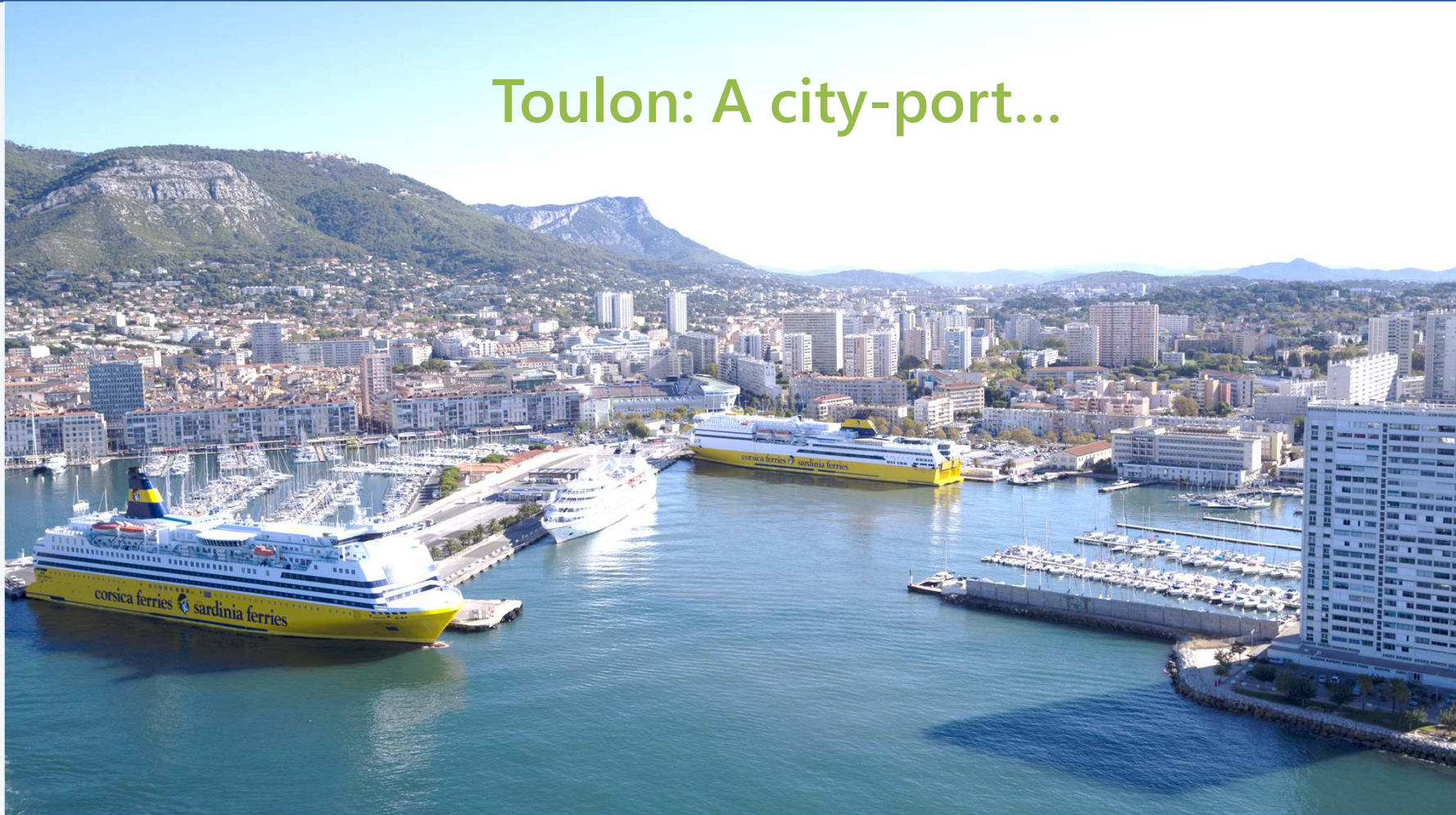
▪ PORT EMPLOYMENT

300 Direct Jobs

2000 Indirect Jobs

10,000 Induced Jobs

Toulon: A city-port...



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Challenges

The need for an efficient city-port interface fed by a wide range of initiatives and solutions :



- Cold Ironing



- Exhaust gases cleaning (EGCS)



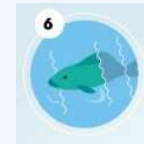
- Qualitative & Alternative fuels



- Accessibility / Flows Management



- Waste Management



- Biodiversity

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Focus on OPS



Only for calls lasting more than 2h½

Expected benefit

80%
of emission
time erased

80%
of NoX,
SoX,
Carbon...
erased

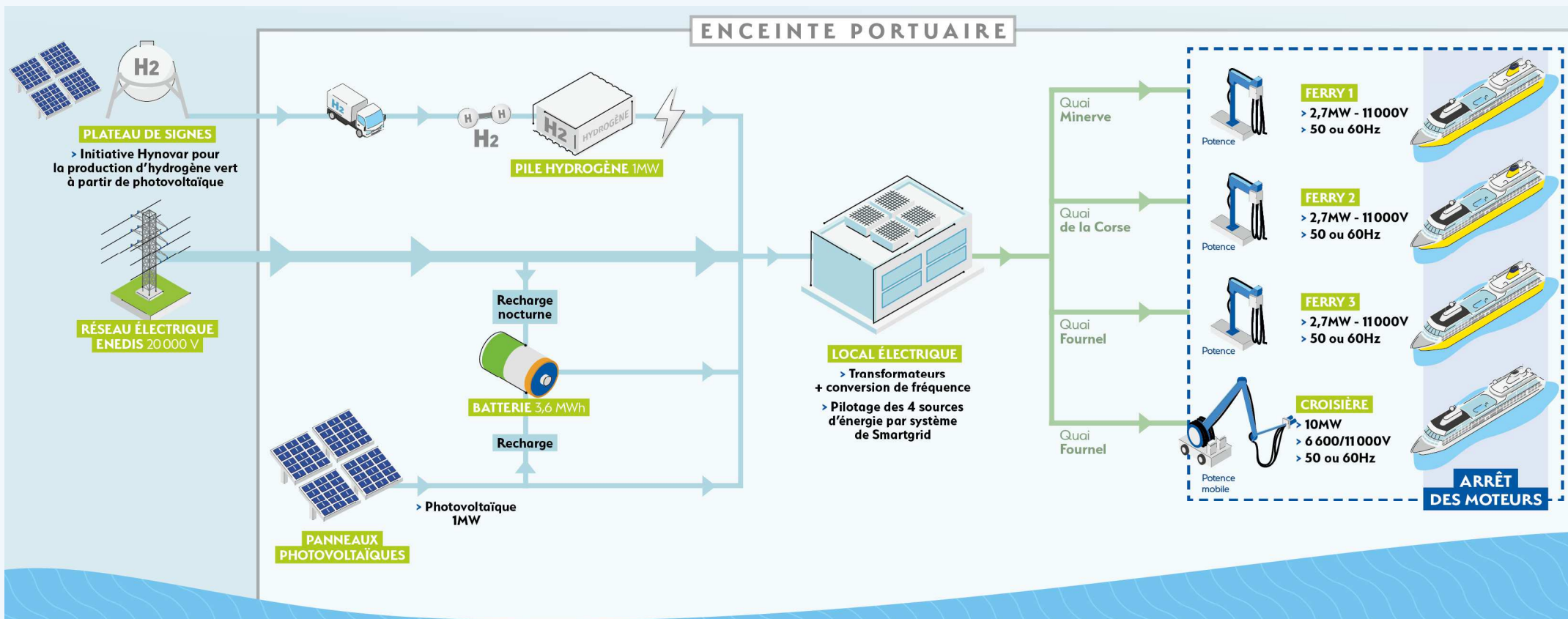
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Focus on OPS

A unique energetic mix! The electric network complemented by hydrogen and photovoltaic.

How does it work?

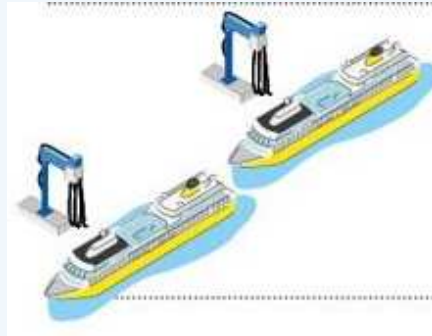


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Focus on OPS

Year 1
1 pier operational



Year 3
+1 pier
A cruise dedicated
mobile gallow



Year 2
+2 piers



Year 4
A brand-new
cruise pier
delivering cold ironing

- Project Timeline -

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Financing

20M€

Facilities financed by:



80% subsidized by:



Facilities will be managed by:

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Cold ironing delivery costs will be invoiced to shipping companies

6M€

Ships' equipment financed by:



1,4M€/ship

(30% subsidized)



Pioneering for Hydrogen solutions

The HYNODVAR Ecosystem:

- 40 companies in the Southern region (sea/land transportation, logistics, ports, shipyards, construction and public works, energy...)
- 4 authorities in the Southern Region gathered around more than 20 projects covering the entire value chain: production, transportation and distribution, uses, local suppliers, training, etc.

Which represents approximately over 4-5 years: 100M€ investment

The Hynovar Project: " A massification allowing a competitive green H2 delivered to its destination "

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Pioneering for Hydrogen solutions



HynoVar

Vision schématique territoriale de l'écosystème Hynovar à horizon 10 ans

Production et distribution

+12 T/j



Production



Transport



Station de
stockage et
distribution



Barge H2



Usages

1 T/j



X 1



X 10



X 10



X 5



X 50



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Thank you for your attention

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<https://www.portsradetoulon.com/port-responsable>