

# **BLUE ECONOMY AT VALENCIA PORT**

Francesca Antonelli  
Head Marketing & Cruises  
Port Authority of Valencia







# BLUE ECONOMY

The blue economy refers to all economic activities related to the oceans, seas and coasts, including sectors such as fisheries, maritime transport, coastal tourism and marine energy.





**Total Jobs**

**50,000**  
**2.5%**

**Of the total of the  
Valencian Community**



**GVA (Gross Value Added)**

**+3,200M€**  
**3.1%**

**Of the percentage of the total of  
the Valencian Community**







**An innovative,  
sustainable, and  
reliable port**





# The Green, intelligent and innovative mediterranean **HUB**



**Wind energy**



**Electricity supply**



**Photovoltaic energy**



**Hydrogen supply to machinery**



**LNG supply to ships and  
machinery**



**Air quality control**



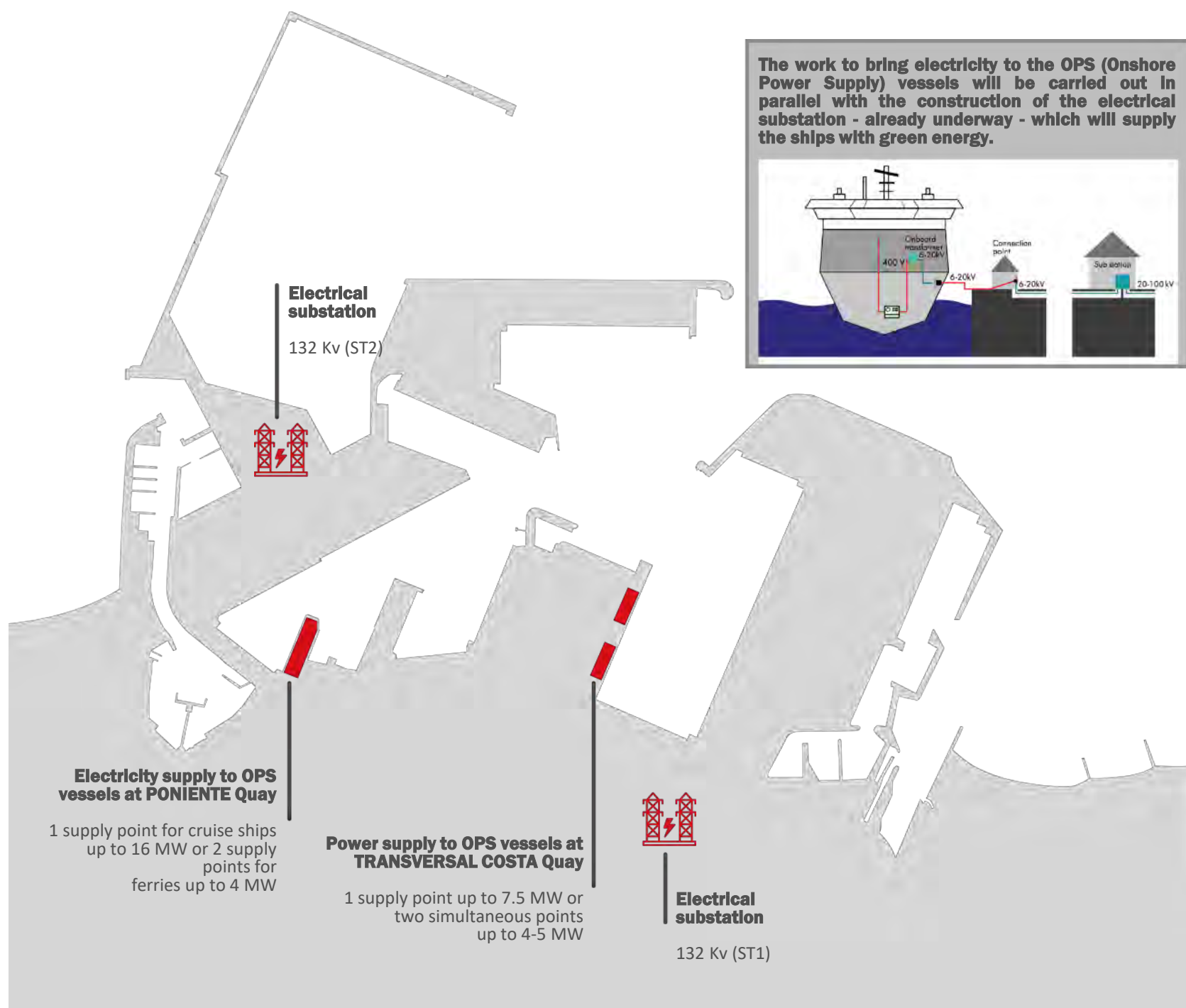
**Water quality control**



**Electrical substation**

# ONSHORE POWER SUPPLY OPS in Valenciaport

## ELECTRICAL CONNECTION OF SHIPS IN THE PORT OF VALENCIA





# PHOTOVOLTAIC POWER GENERATION IN OUR PORTS

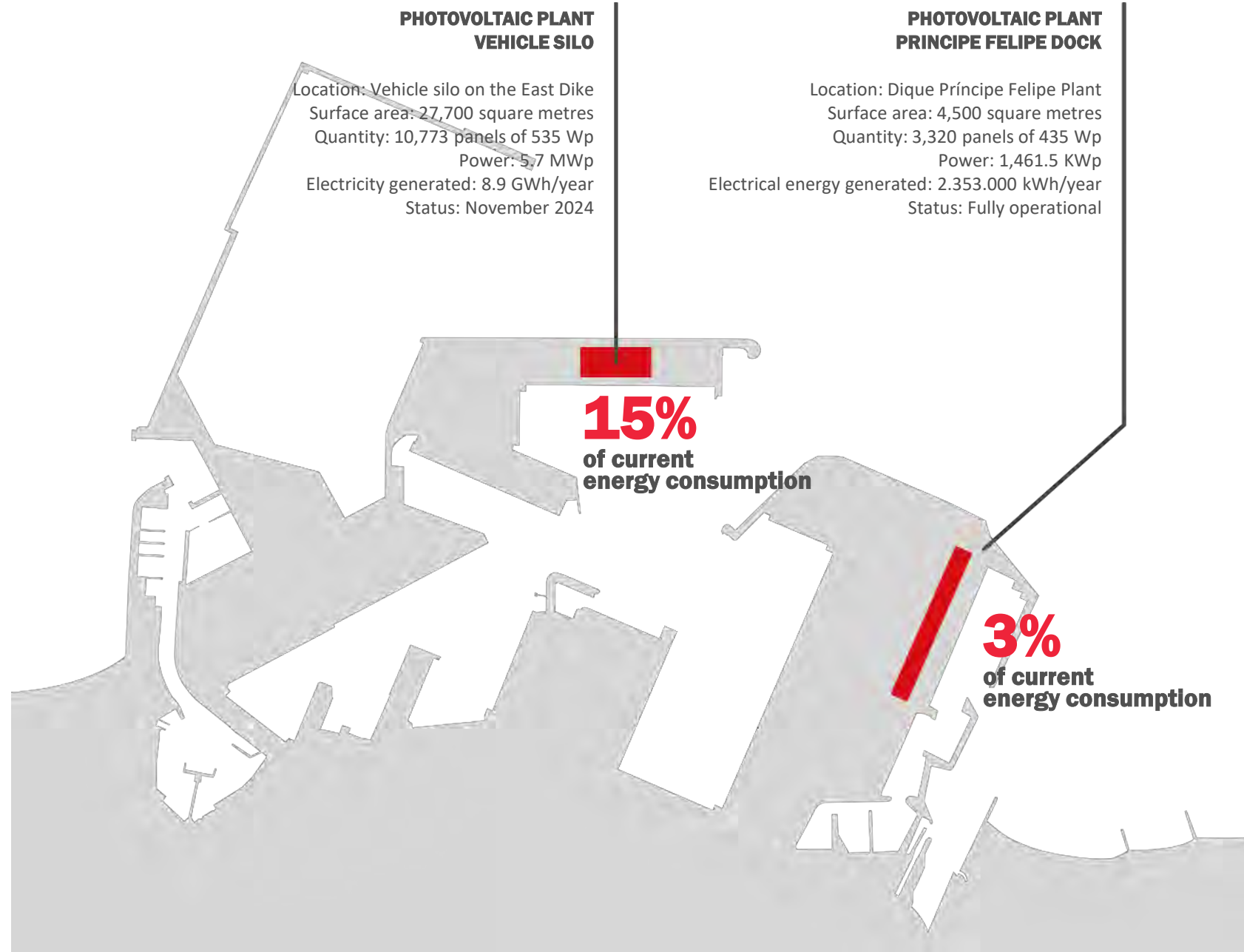
## EXAMPLES IN THE PORT OF VALENCIA

### PHOTOVOLTAIC PLANT VEHICLE SILO

Location: Vehicle silo on the East Dike  
Surface area: 27,700 square metres  
Quantity: 10,773 panels of 535 Wp  
Power: 5.7 MWp  
Electricity generated: 8.9 GWh/year  
Status: November 2024

### PHOTOVOLTAIC PLANT PRINCIPE FELIPE DOCK

Location: Dique Príncipe Felipe Plant  
Surface area: 4,500 square metres  
Quantity: 3,320 panels of 435 Wp  
Power: 1,461.5 kWp  
Electrical energy generated: 2.353.000 kWh/year  
Status: Fully operational





# PHOTOVOLTAIC POWER GENERATION IN OUR PORTS

## EXAMPLES IN THE PORT OF GANDIA

### PHOTOVOLTAIC PLANT GANDIA

Location: Roof Tinglado Number 4  
Surface area: 3,600 square metres  
Quantity: 1,620 panels of 435 Wp  
Power: 704.9 KWp  
Electrical energy generated: 990,000 kWh/year  
Status: Fully operational

**85%**  
of current  
energy  
consumption

# Hackathon

## Ready for Opentop!



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PRIZE TBD

# Valenciaport Hackathon

November  
December 2020

Innovating and transforming  
to achieve the Smart, Green  
and Resilient Port of the Future

sts

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# INNOVATION as a Driving Force at Valenciaport

- Implementation of fuel cells and hydrogen technologies in ports.
- Green and connected ports.
- European flagship action for OPS (Onshore Power Supply - direct connection of the ship to the shore-side electricity grid).
- Sustainable heritage management towards a massive tourist impact thanks to a holistic use of big data and open data.
- Application of Industry 4.0 technologies towards digital container port terminals.
- Interoperability of the rail system with the ETI TAF on the RTE-T corridors.
- Valenciaport Innovation hub.
- Test platform in the Port of Valencia.
- Exploiting the potential of RENEWABLE energies for the clean energy transition of MED PORTS.





**THANK YOU VERY MUCH**