



## Port of Sines Europe's Atlantic Gateway

**DUARTE LYNCE DE FARIA**  
EXECUTIVE MEMBER OF THE BOARD  
PORTS OF SINES AND ALGARVE AUTHORITY

9<sup>th</sup> May 2024

[www.apsinesalgarve.pt](http://www.apsinesalgarve.pt)

# ship.energy summit 2024

#SES24

As part of Portugal Shipping Week

08-09

MAY 2024

Lisbon, Portugal

**Session One:** Sustainable Development in  
Portuguese  
Maritime Industries

# THE FOUR TREND CATEGORIES ON PORT'S INDUSTRY



1. Increased focus on **sustainability**
2. Increased focus on **innovation**
3. Shifting **trade developments**
4. Increased **community awareness** of ports

# THE SIX THEMES OF THE **WORLD PORT** **SUSTAINABILITY PROGRAM (WPSP)**



AGGREGATION OF  
THE 17 UN SDGs IN 6  
THEMES ON PORT'S  
GOVERNANCE

1. Digitalization
2. Infrastructure
3. Health Safety and Security
4. Environmental care
5. Community building
6. Climate and Energy



# THE FIVE MAIN ROLES OF THE PORTS IN DECARBONISATION



1. **Bunkering hubs** (landlord/investor)
2. **Spatial planning** (landlord/investor)
3. **Leverage tariffs and incentives** (regulator)
4. **Digital processes** (regulator)
5. **Collaboration with stakeholders to align climate goals** (regulator)

# WHAT ARE THE **FOUR MAIN DRIVERS** FOR THE PORTS?



- **Sustainability, Climate, Environmental and Energy**
- **Digitalization, Innovation, Safety and Security**
- **Infrastructure & Logistic chain**
- **Ports Community**

# AND IT HAS COME “NEXUS”...



**Nexus: Innovation Pact – Green and Digital Transition for Transport, Logistics and Mobility**

Project duration: 2022 - 2025

Approximate total investment:  
**92 Million Euros**

Approximate total support:  
**59.5 Million Euros**

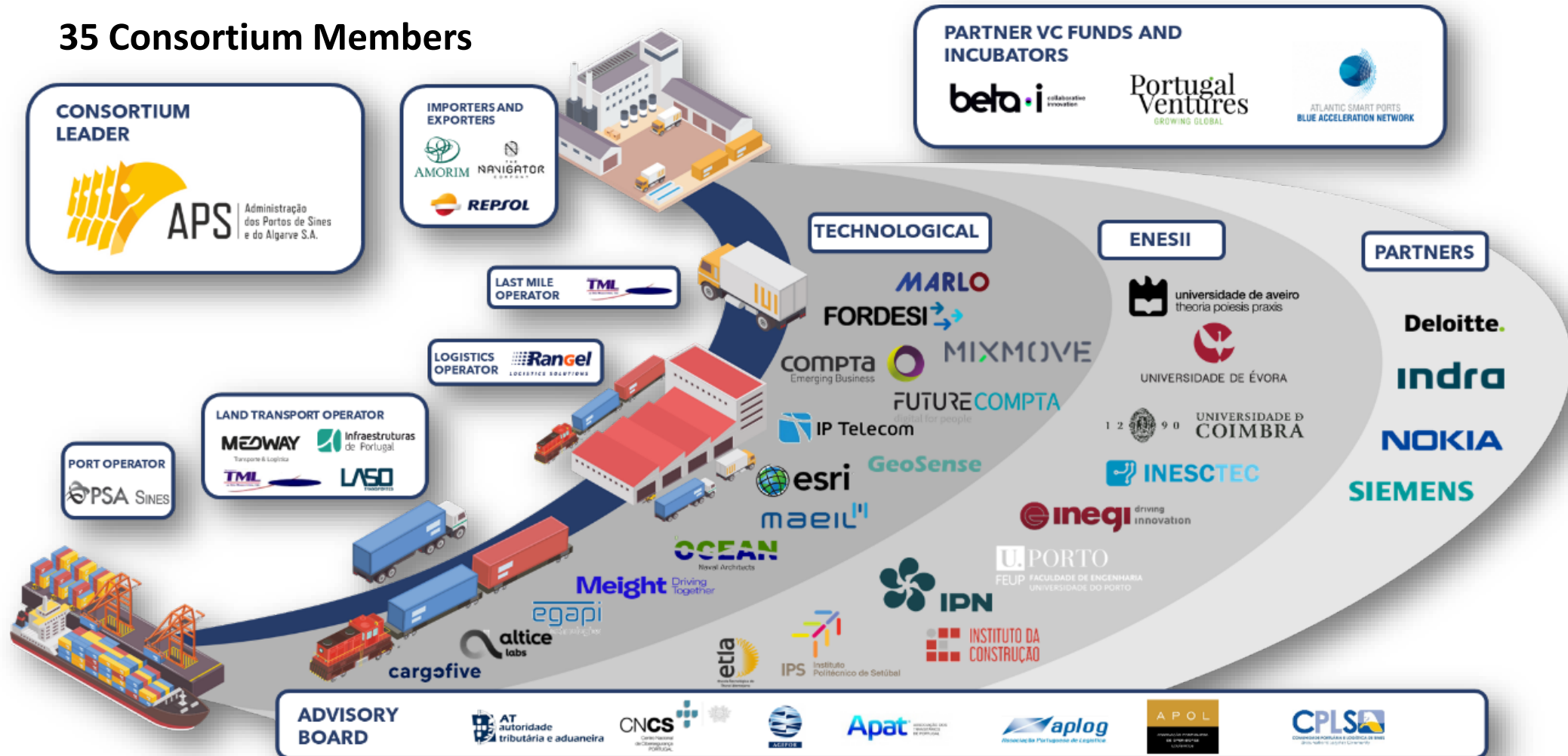
Consortium Leader





# NEXUS CONSORTIUM STRUCTURE

## 35 Consortium Members



# NEXUS IMPACTS & GOALS



## SECTORIAL IMPACTS

- **997 NEW JOBS** (until 2030)
  - **248** during project execution
  - **623** direct permanent jobs (until 2030) associated to technology exploitation
  - **126** indirect permanent jobs
- **28** new products and services with an average TAM\* above **300 million euros / year**
- **More than 5% increase in the Gross Added Value of the Ports, Transports and Logistic Sector, by 2027**

\*TAM = Total Addressable Market

## REDUCED CO2 EMISSIONS

- **55%** reduction in the Logistics operations associated to the port of Sines (**854,6 ton CO2/year**)
- Directly supports **434.644 ton CO2 savings over a 10 years**, by promoting modal transfer to train operations in multimodal corridors
- **25% GHG target reduction** in the multimodal networks demonstrating NEXUS Technologies
- **Drag along effect** to the Ports, Transports and Logistics Sector

## EXPORTS

- NEXUS high technology exports to reach **55.9 million euros / year** by 2030

## INCREMENT PORTUGUESE LOGISTICS PERFORMANCE

- Strong contribution to allow Portugal to rank in the **top 20** of countries in the World Bank's **Logistics Performance Index**, with a score above **3,75**

## INCREMENT R&D SPENDING

- Important contribution to reach the target of **11% average annual growth in R&D spending** in the Mobility, Space and Logistics sector, until 2025

## LEVERAGING LOCAL LARGE-SCALE PUBLIC AND PRIVATE INVESTMENTS

- **Direct contribution and synergies** with local public and private investments, worth more than **4.900 million Euros**:
  - Sines Hyperscaler Data Center
  - Public and Private Investments in the Atlantic Multimodal Corridor and Expansion of Sines Container Terminal
  - Repsol Investment in the Sines Industrial Corridor

## TRAINING GAPS

- **1 Specialised Academia** for ports and multimodal networks

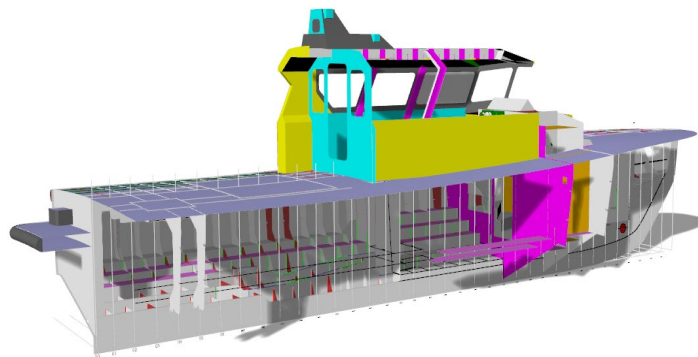


# ZERO EMISSION SMART BOATS (3)

Command and Control Boat  
"PORTO COVO"



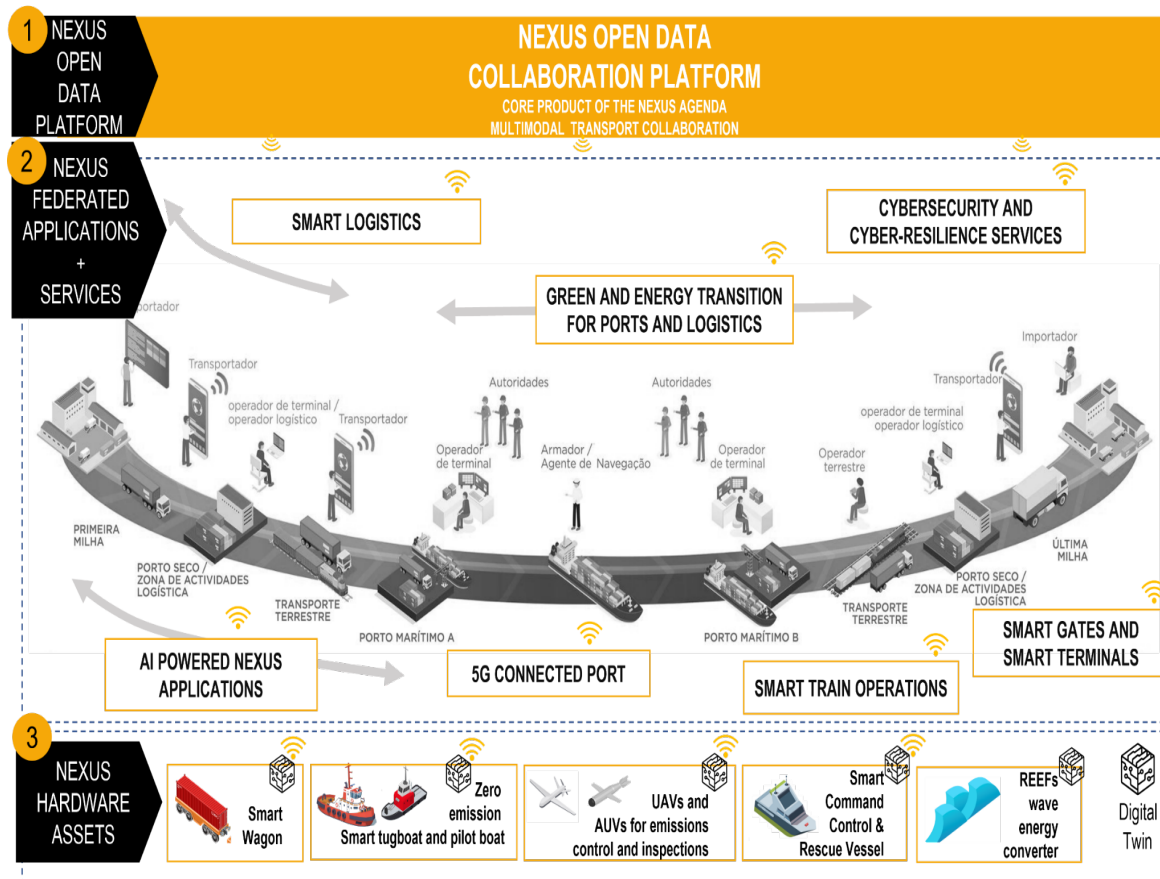
Pilot Boat



Multi-Task Tugboat (skimmer)



# THE NINE PRIORITIES OF THE EUROPEAN SEAPORTS ORGANIZATION (ESPO) - PORTS ARE PART OF THE SOLUTION!

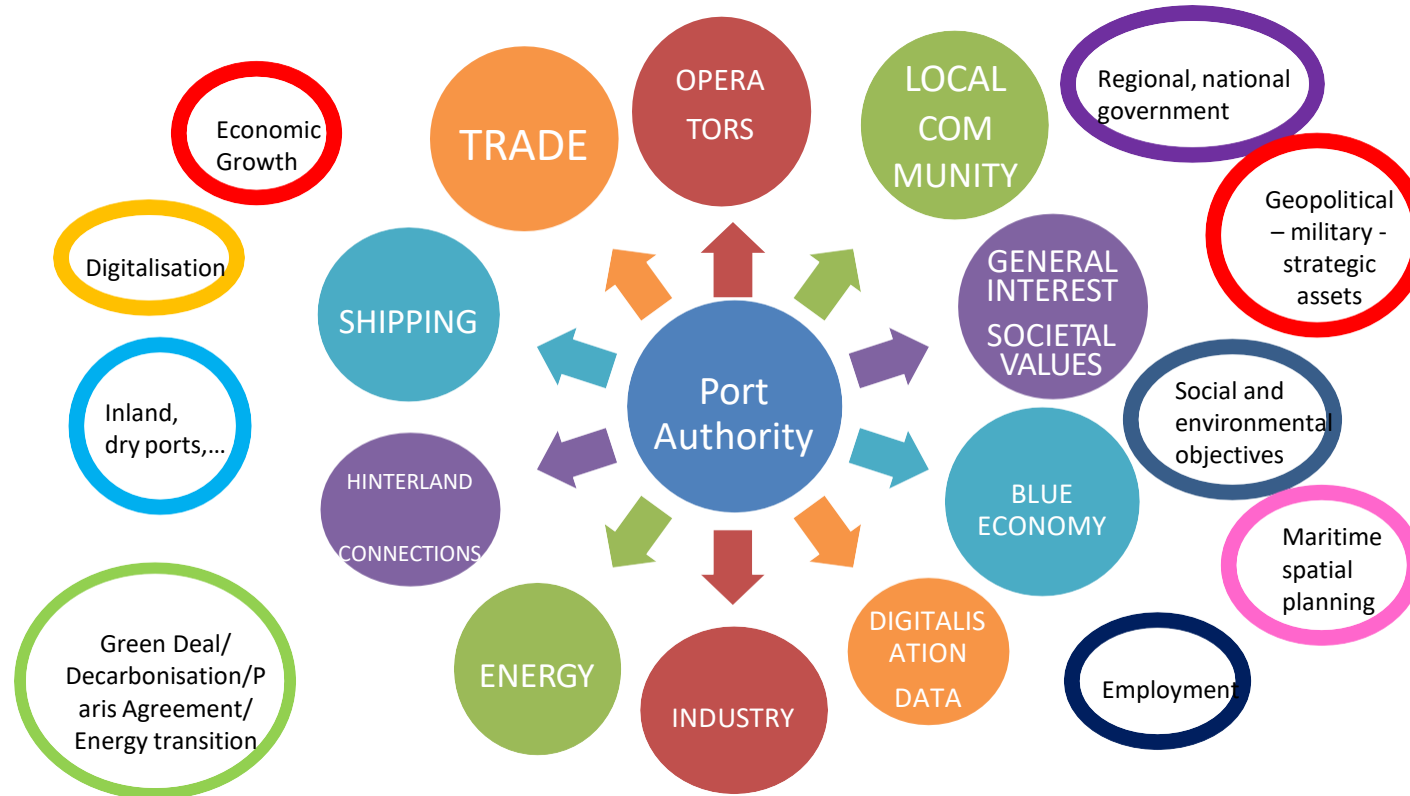


1. Implement (regulations)
2. Facilitate (renewables)
3. Reduce (pollution)
4. Playing field (safeguard competition)
5. Resilience (logistics)
6. Smart but secure (IoT)
7. Investment (80 bi€)
8. Structure (EU bodies)
9. Resource (city)

Adapted from - [https://www.espo.be/media/ESPO%20memorandum%20-%20priorities%20-%20Elections%202024\\_3.pdf](https://www.espo.be/media/ESPO%20memorandum%20-%20priorities%20-%20Elections%202024_3.pdf)

**NEXUS IS IN LINE WITH THE MOST MAIN PRIORITIES!**

# THE PORT ECOSYSTEM (by ESPO)



**In Ports, Digitalize, Decarbonize and be Diverse (DDD),  
To become RESILIENT and EFFICIENT in LOGISTIC CHAINS!**