



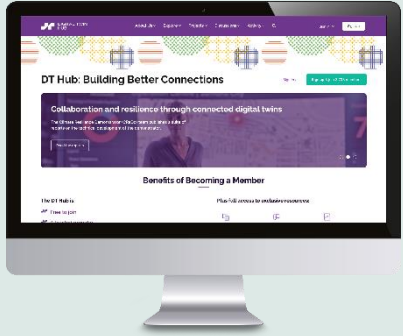
DIGITAL
TWIN
HUB

HOW THE DIGITAL TWIN HUB AND DIGITAL TWINS CAN TRANSFORM COASTAL SMART CITIES

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Hosted at Connected
Places Catapult



Digital Twin Hub HOME OF THE CONNECTED DIGITAL COMMUNITY



ARUP



M
M
MOTT
MACDONALD



CATAPULT
Connected Places



love every drop
anglianwater



Bentley



national
highways



ICG
INFRASTRUCTURE
CLIENT GROUP



FRAZER-NASH
CONSULTANCY
A NGA COMPANY



esri UK
THE SCIENCE OF WHERE



NetworkRail



Sunderland
City Council



Ofcom



The
Alan Turing
Institute



Department
for Transport



BURO HAPPOLD



4887
Members



83
countries



54
Case
Studies



41
Sectors



535
Articles &
Resources



DIGITAL
TWIN
HUB

DIGITAL TWIN MATURITY MODEL: THE PORT OF THE FUTURE

A maturity model developed by:

The British Ports Association and the Port of Rotterdam



Use Case Example:

Bibby Marine and Connected Places Catapult are creating a digital twin of an electric Service Operation Vessel



Level 1: Digitalisation of individual parties in ports




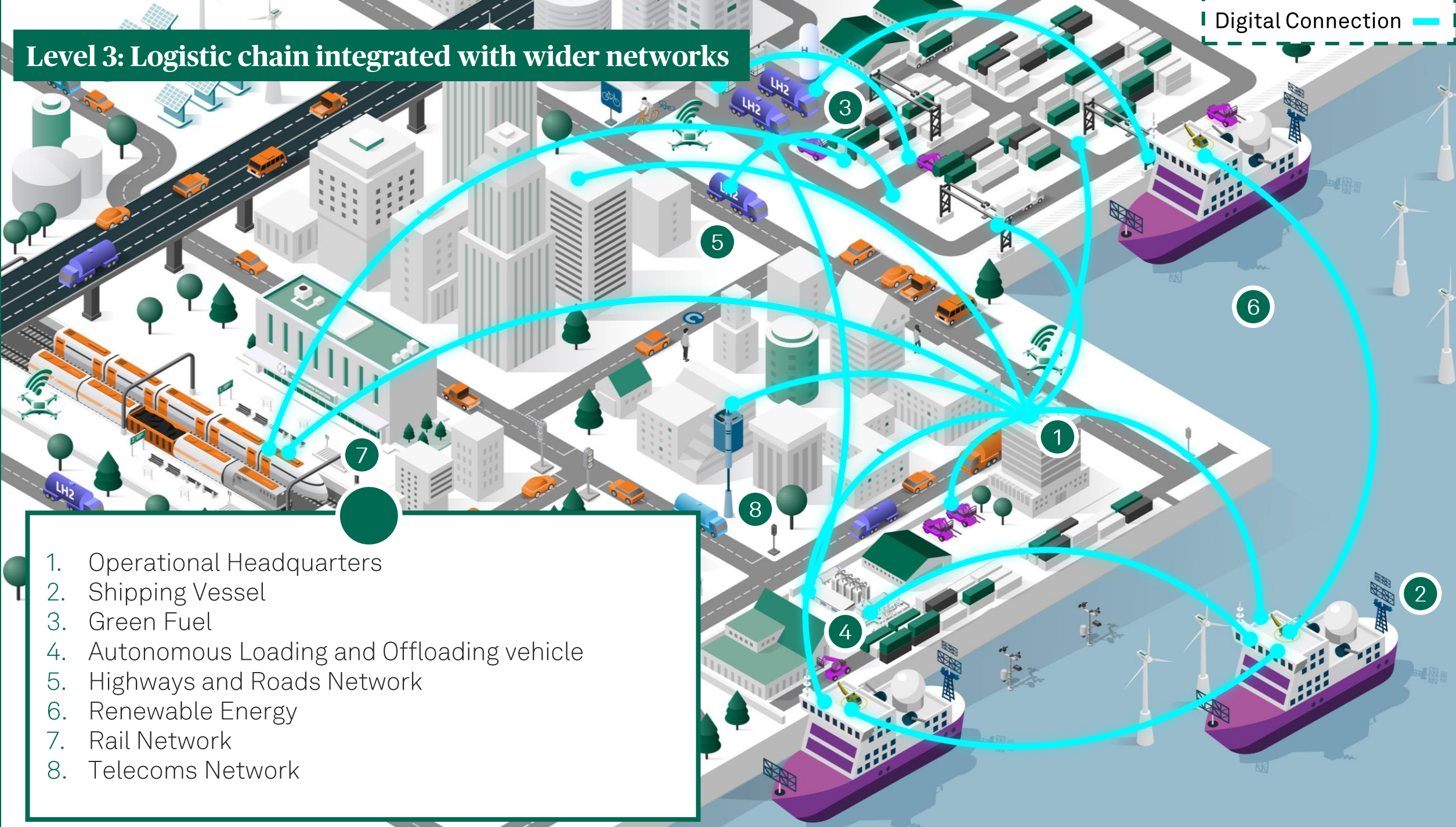
1. Operational Headquarters
2. Bibby Marine's electric Service Operation Vessel or other shipping vessel
3. Green Fuel
4. Autonomous loading and offloading vehicle



Level 2: Integrated Systems in a Port Community

Level 3: Logistic chain integrated with wider networks

Digital Connection 

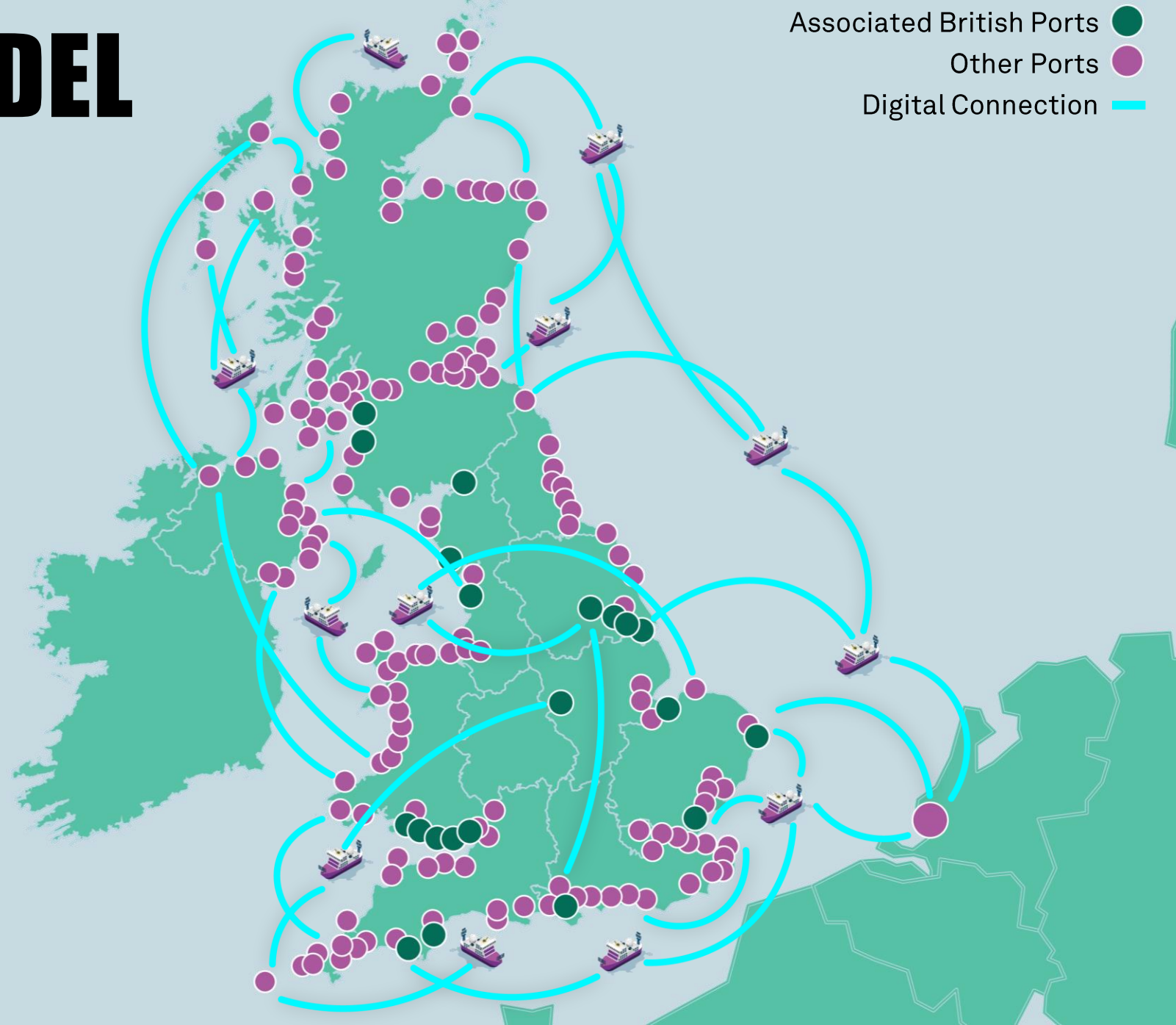


- 1. Operational Headquarters
- 2. Shipping Vessel
- 3. Green Fuel
- 4. Autonomous Loading and Offloading vehicle
- 5. Highways and Roads Network
- 6. Renewable Energy
- 7. Rail Network
- 8. Telecoms Network

MATURITY MODEL

Level 4: Connected Ports in the Global Logistics Chain

- Connected Places Catapult and the Association of British Ports (ABP) are currently developing a strategic plan to link up the 23 ports within ABP. Then to link their ports up with the greater port network.



1. What maturity level do you believe your city is at?
2. How do MIMs relate to Digital Twins?
3. What key changes could you make to improve the maturity of your Digital Twins?



BENEFITS OF MEMBERSHIP



All new members can sign up to the Hub for **Free**



Members can **Connect** with Digital Twin Practitioners around the Globe



Members can **Access** resources, toolkits and industry case studies to build business cases for investment



JOIN NOW

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THANK YOU

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