a port for everyone
Belfast Harbour

- Handles two thirds of NI’s trade
- 10th largest UK port by cargo
- Largest UK port by physical size
- 8km of quays, 30km roads
- 700 businesses, 27,000 people
- 5 million tourist and leisure visitors
Smart Port within Our Strategy

- Low-tech starting point
- Key enabler of our strategic ambitions
- Opportunity to partner with Belfast City
- Leverage the Harbour Estate as a testbed
- Stimulate the local knowledge economy
Technologies in current scope

- Cyber
- Digital Twin
- Mobility
- Cloud Computing
- Big Data
- Artificial Intelligence
- Internet of Things
- Port Community System
- Connectivity
- Automation
- Enterprise Applications
- CCTV
- VR / AR
- Drones
- Design
- 5G
- BIM
Challenges

• Quantifying Value
• Encouraging Innovation
• Access to Expertise
• Overcoming Scale problems
Priorities

- Connectivity and a Digital Fabric
- Mobility solutions
- Internet of Things and Sensors
- Information sharing across the wider Port Community
- Digital Twin
Digital Twin

- More agile approach to dredging
- Opportunities above the waterline
- A means to collate and navigate our digital assets
- Mobile Access