



**INTERNATIONAL STANDARD FOR MARITIME PILOT ORGANIZATIONS
*SAFELY MAXIMISING CHANNEL CAPACITY***

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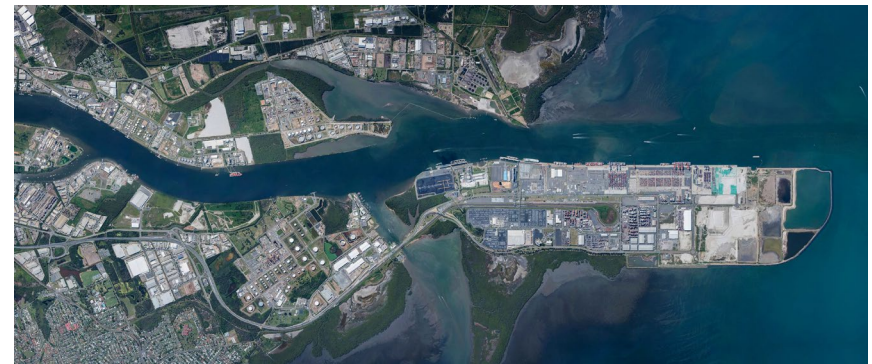
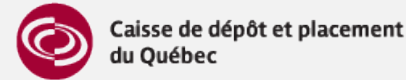
PORT OF BRISBANE PTY LTD

Overview

- Approx. **\$50 billion of trade annually**, comprising more than 50% of Queensland's international trade
- > 1.2M containers in 2016/17; 95% of Queensland's containerised trade
- Container throughput is 19% of Australia's east coast port throughput
- > 50% of Queensland's agriculture exports
- ~3,500 workers employed directly/indirectly across the precinct
- Handles approx. 10% of Australia's total two-way trade
- Constructing the \$110M Port Drive Upgrade, vastly improving safety and efficiency, and the \$158 million Brisbane International Cruise Terminal

Ownership structure

A 99-year lease from the Queensland Government, held by:



INNOVATION, SUSTAINABILITY AND ENVIRONMENT

PBPL has received significant industry recognition over the last two years

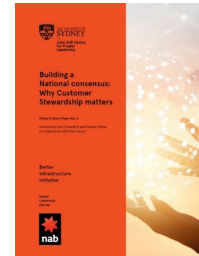
Port Industry

- Winner – Australian Port of the Year
Australian Shipping & Maritime Industry Awards



Customer and Innovation

- University of Sydney's 'Better Infrastructure Initiative' has labelled Port of Brisbane as a *2017 National Exemplar in Customer Stewardship*
- Winner – Infrastructure Partnerships Australia - *Smart Infrastructure Award* for NCOS Online
- Winner – Dredging Port Construction Innovation Awards 2017: Innovative Support Services award for NCOS Online



Environment

- Multiple industry awards for \$1 million Offsite Stormwater Treatment Pilot Project
- Finalist – Lord Mayors Business Award: Energex Award for *Sustainability in Business*
- 'Excellent' IS Design Rating – Infrastructure Sustainability Council of Australia (PDU)



Treasury

- Winner – *Australian Corporate Issuer of the Year* KangaNews Awards 2016



INFRASTRUCTURE AND PROPERTY INVESTMENT

Building Australia's safest, most efficient port

Almost **\$500 million** worth of capital expenditure since privatisation (Dec 2010), including:

- \$112 million on terminal and wharf infrastructure
- \$48 million on road development

Over **\$550m** of forecast investment over the next five years including:

- \$158 million Brisbane International Cruise Terminal
- \$110 million Port Drive Upgrade (expenditure from FY16 onwards)
- >\$80 million future port expansion
- \$40 million wharf infrastructure
- >\$80 million in property development (next 2-3 years)

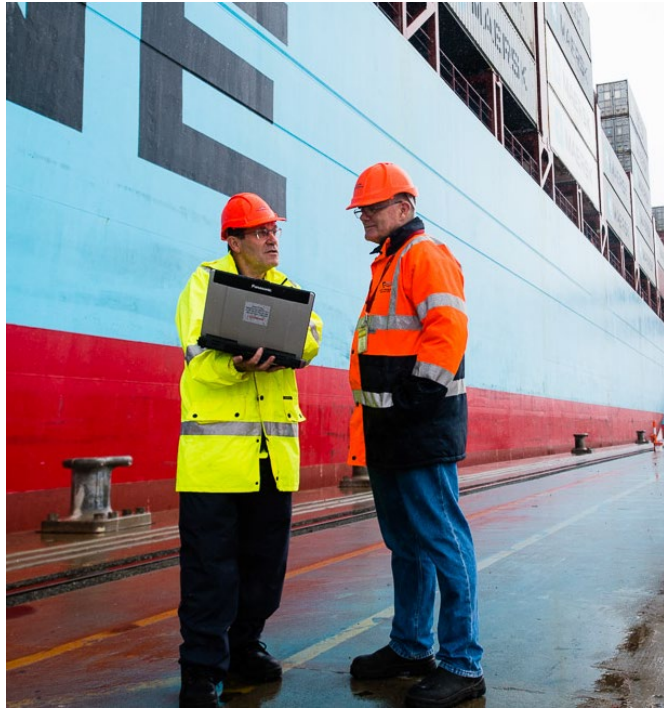


OPTIMISING THE CHANNEL THROUGH INNOVATION AND COLLABORATION





NCOS ONLINE – WORLD LEADING UKC TECHNOLOGY





NCOS ONLINE – WORLD LEADING UKC TECHNOLOGY

- Highly sophisticated technology using all available environmental and shipping data to predict vessel behaviour
- Same high level of accuracy as a full Mission Bridge Ship Simulator
- 37.2 trillion data calculations per second
- Maximises efficiencies for customers without compromising safety.



New features and Improvements

NEOS ONLINE

An aerial photograph of a large blue and white cargo ship sailing on the ocean. The sun is low on the horizon, creating a shimmering path of light on the water. In the background, two smaller ships are visible. The NEOS ONLINE logo is superimposed on the image, featuring a dark blue silhouette of a ship's hull and the text 'NEOS ONLINE' in a bold, blue and white font.

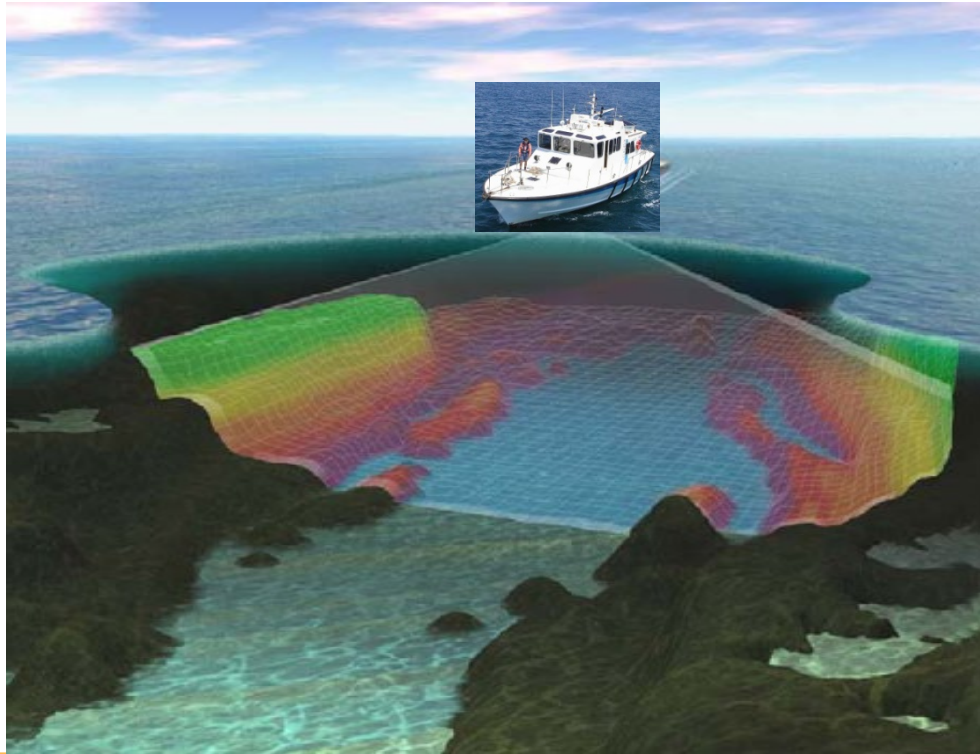
1. OPTIMISATION OF VESSEL TRANSITS

EXAMPLE - MAERSK YUMUNDA 280M X 40M 6,000 TEU VESSEL



2. NEAR REAL-TIME BATHYMETRIC DATA APPROVAL

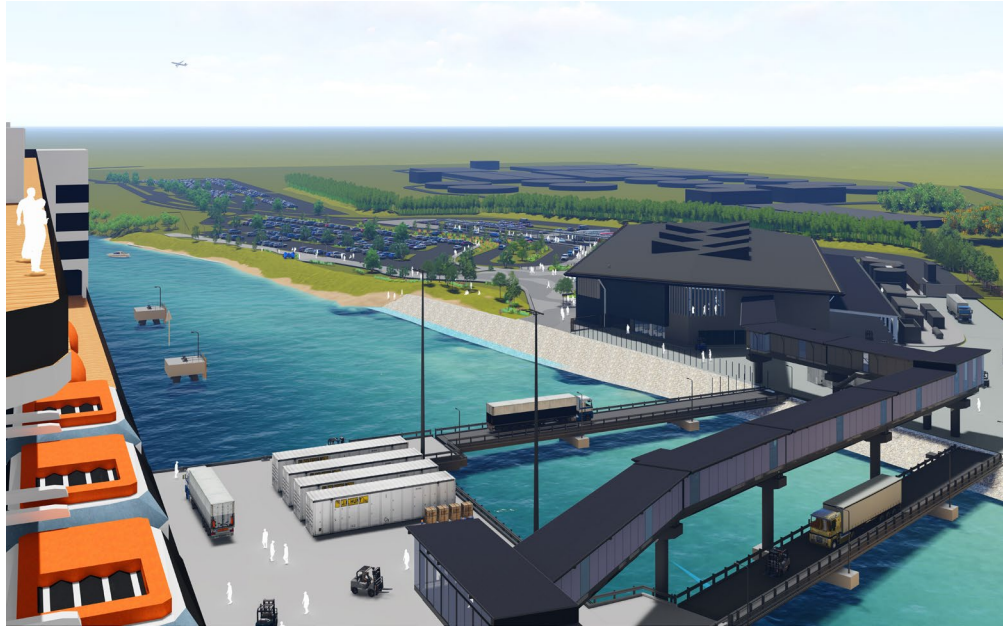
HIGH DENSITY MULTIBEAM DATA COLLECTION



3. IMPROVED VESSEL SQUAT MODELLING



BRISBANE INTERNATIONAL CRUISE TERMINAL

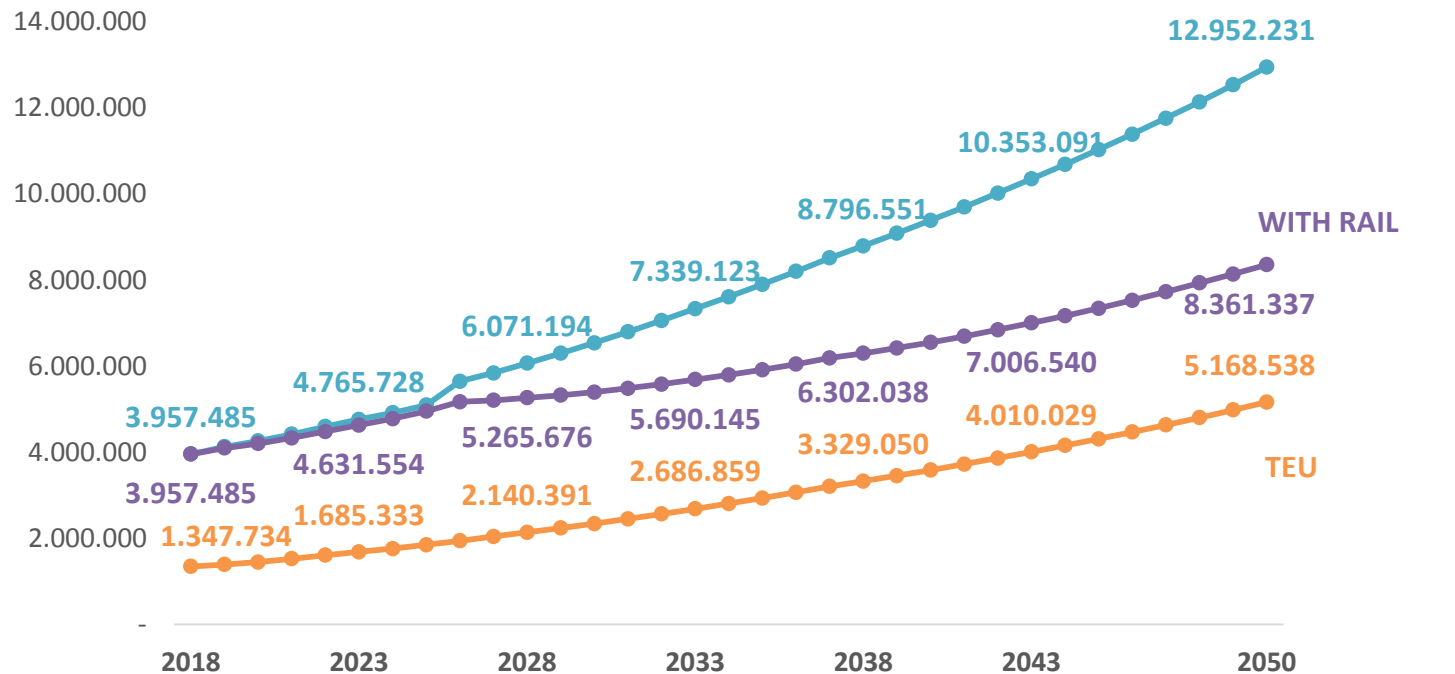


A SUPPLY CHAIN ENABLER – ROAD, RAIL AND SEA



THE FUTURE – SOUTH-EAST QUEENSLAND IMPACTED BY TRUCKS

Annual truck movements





QUESTIONS?