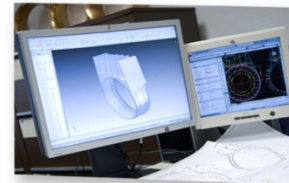




# **DAMEN**

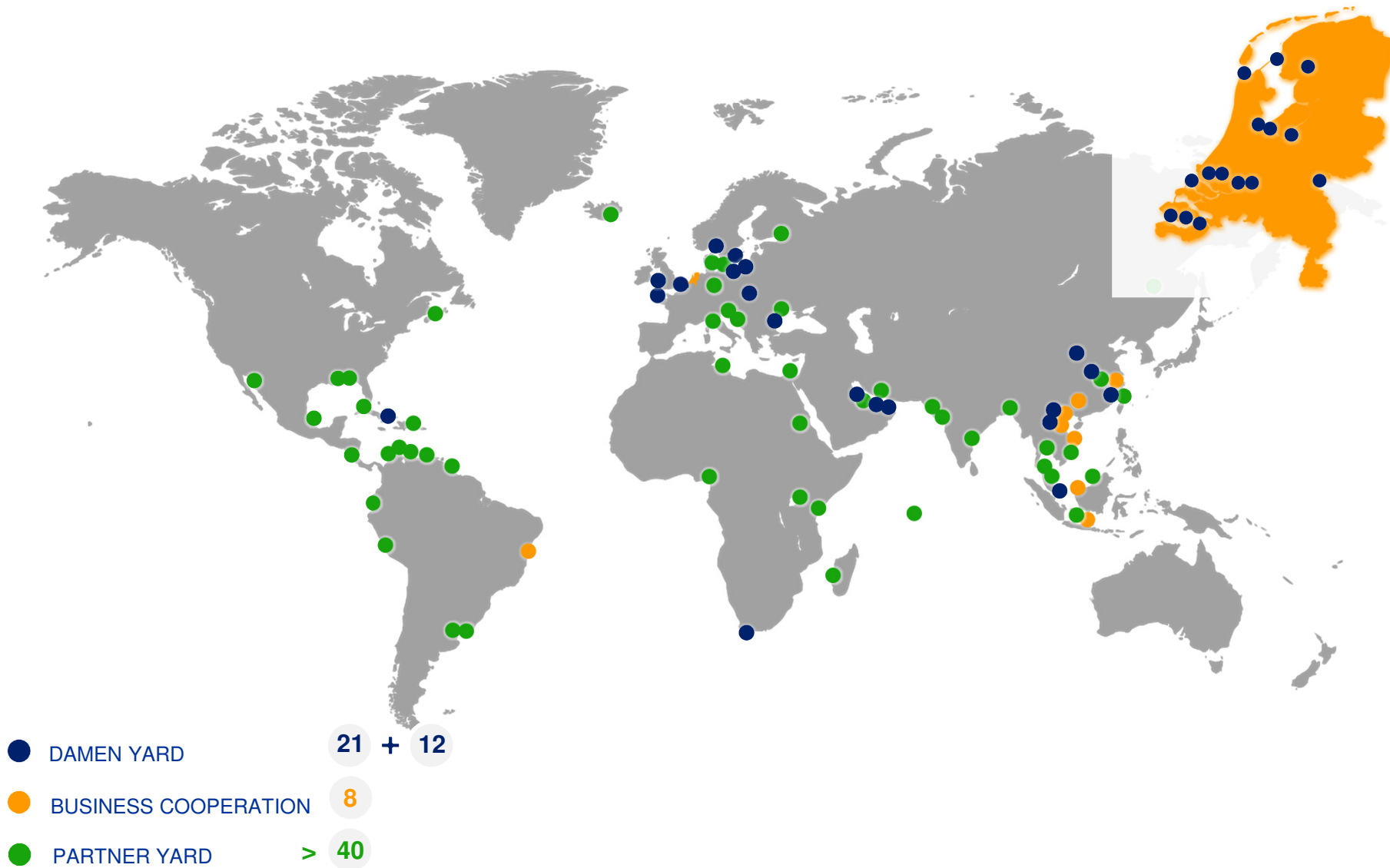
**DAMEN SHIPYARDS GROUP**

**2013**



### GLOBAL PRESENCE

THE NETHERLANDS





CONVERSION



REPAIR



REFIT



MAINTENANCE



REPAIR



REFIT



CONVERSION



MAINTENANCE

Ballast water regulations to prevent bio-invasions.

Enforced:

- USA, Dec 2013
- IMO, 2014/15  
37 countries signed 30,3%





70,000

**70,000**  
vessels need a  
**BWTU**



40,000,000,000

**40,000,000,000**

Total costs for a BWTU on board of the  
world fleet

What if there was a mobile  
solution?

- Avoid high investment costs in a BWTU for vessels sailing fixed routes
- Deck connection costs are a fraction of the BWTU installation
- Prevent long downtime of the vessel in case of a malfunctioning BWTU
- Stop discharging untreated ballastwater in the Waddensea

## MOBILE BALLAST WATER TREATMENT







**DAMEN**



## Goal:

Stop the alien species invasion a.s.a.p. in the Waddenzee.

Introduce an IMO approved mobile ballast water treatment unit.



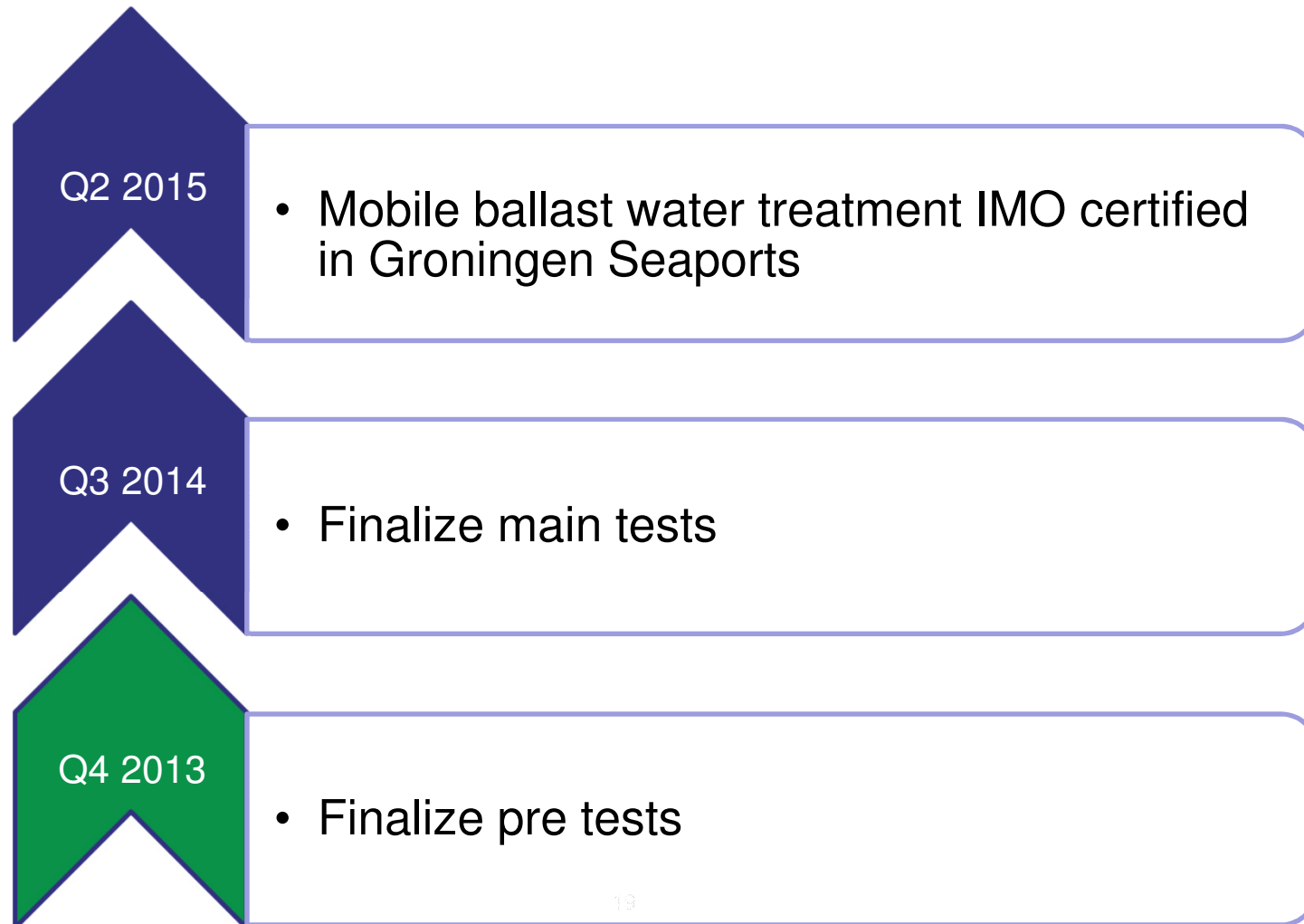


## TESTING AT THE WADDENZEE



TESTING AT THE IJSSELMEER





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# DAMEN

Total solution provider

Fantastic company

Customer oriented

Best quality

Development /R&D

Ship repair

Vessels & Services

Entrepreneurial

Achieving clients' goals

Ship building

Committed/proud

## WORLDWIDE COMPANY

Standardization

Building on-site

Family business/values

Ambitious

Partnership

Dutch

Reliability/trust

Best ship builder

