

70% of the surface is water

80% of the world's population lives within 100 miles of the coast

**A M E R I C A S
NAVY**

OPERATE FORWARD:
Strategic Maritime Crossroads

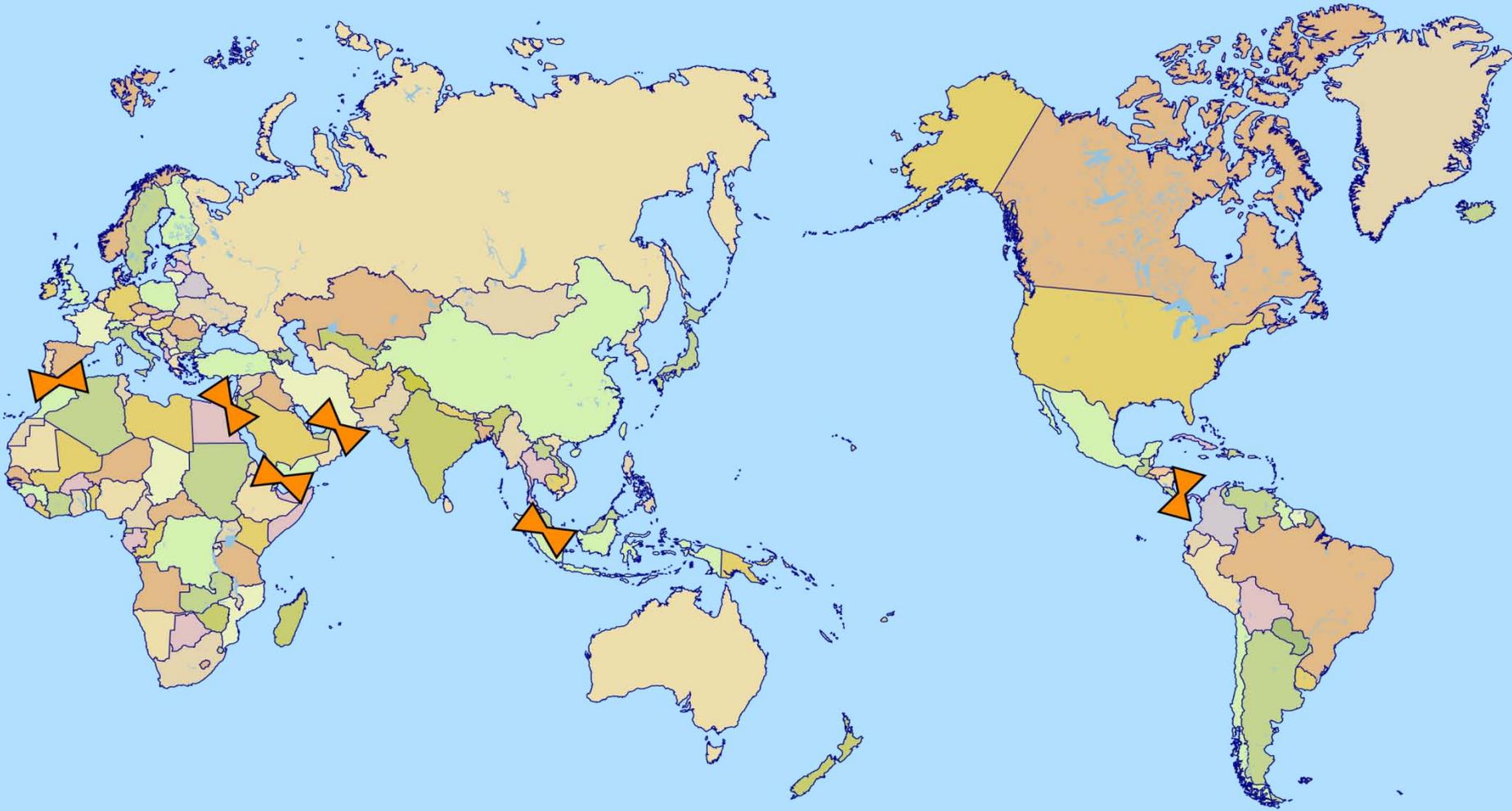


90% of global trade (by volume) travels by water

70% by value travels by water

**AMERICA'S
NAVY**

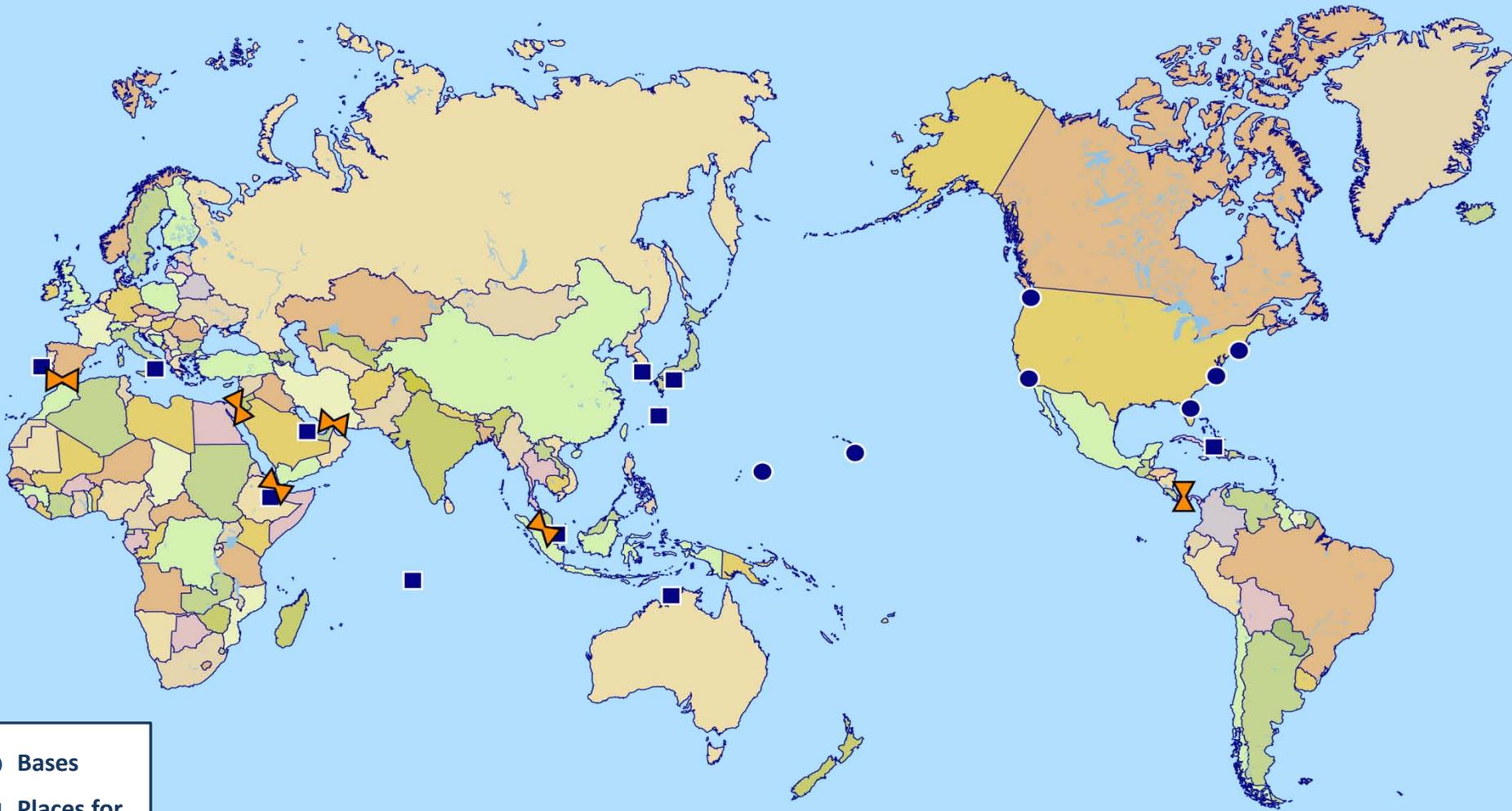
OPERATE FORWARD:
Strategic Maritime Crossroads



There are 6 crossroads thru which world trade crosses

AMERICA'S
NAVY

OPERATE FORWARD:
Strategic Maritime Crossroads

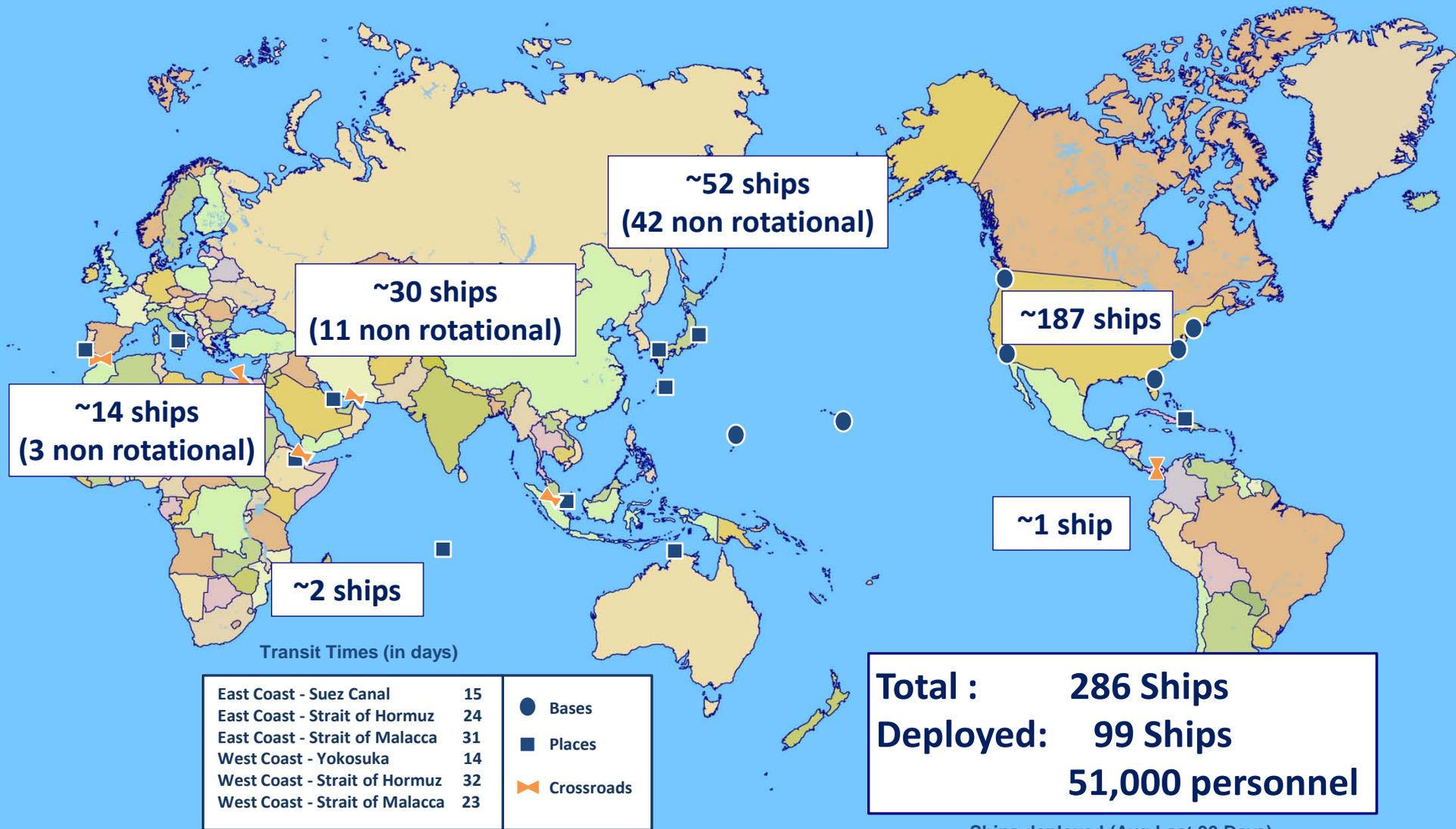


- Bases
- Places for support

Being where it matters; when it matters

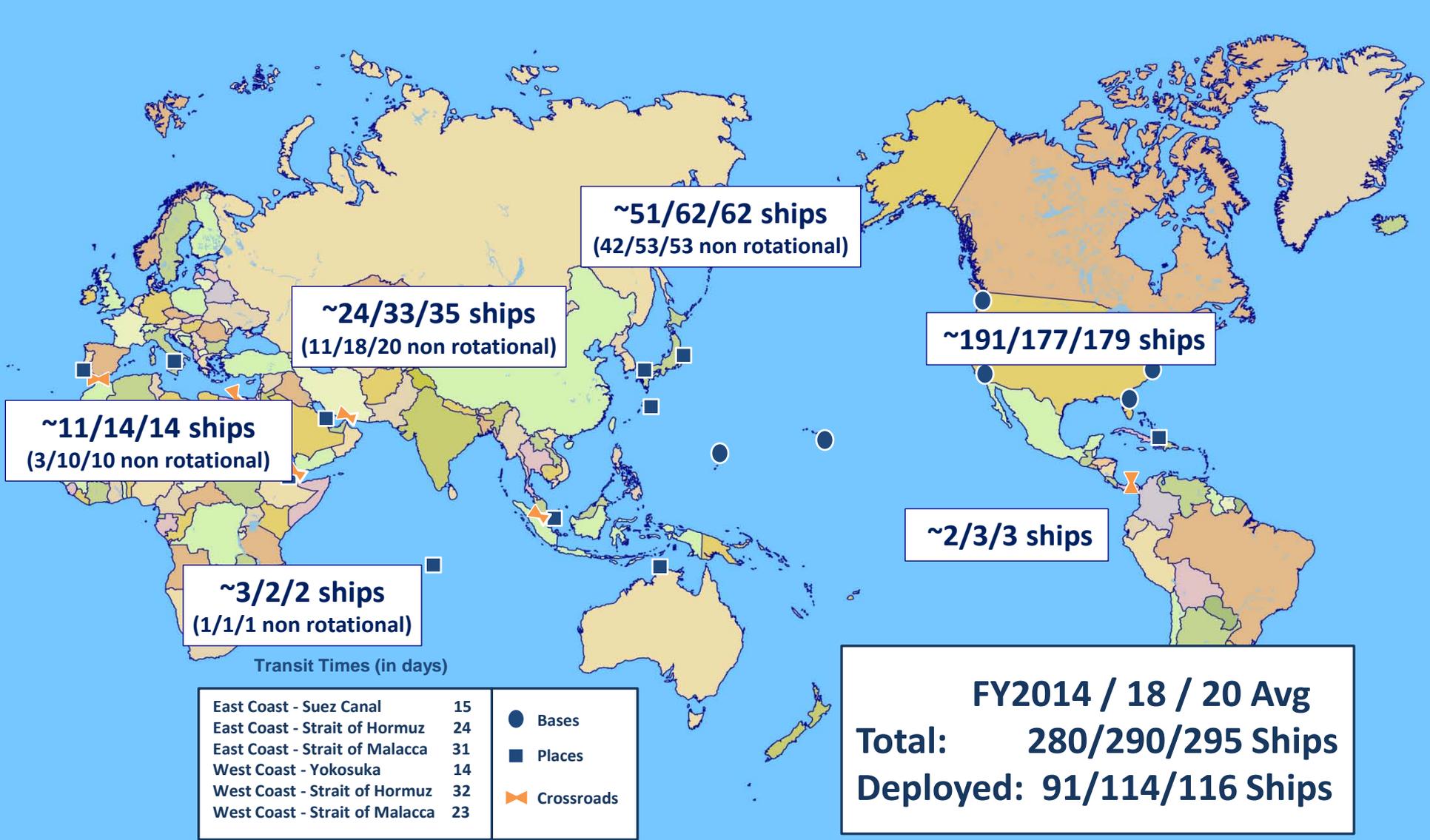
AMERICA'S
NAVY

OPERATE FORWARD:
Strategic Maritime Crossroads



TODAY'S
NAVY

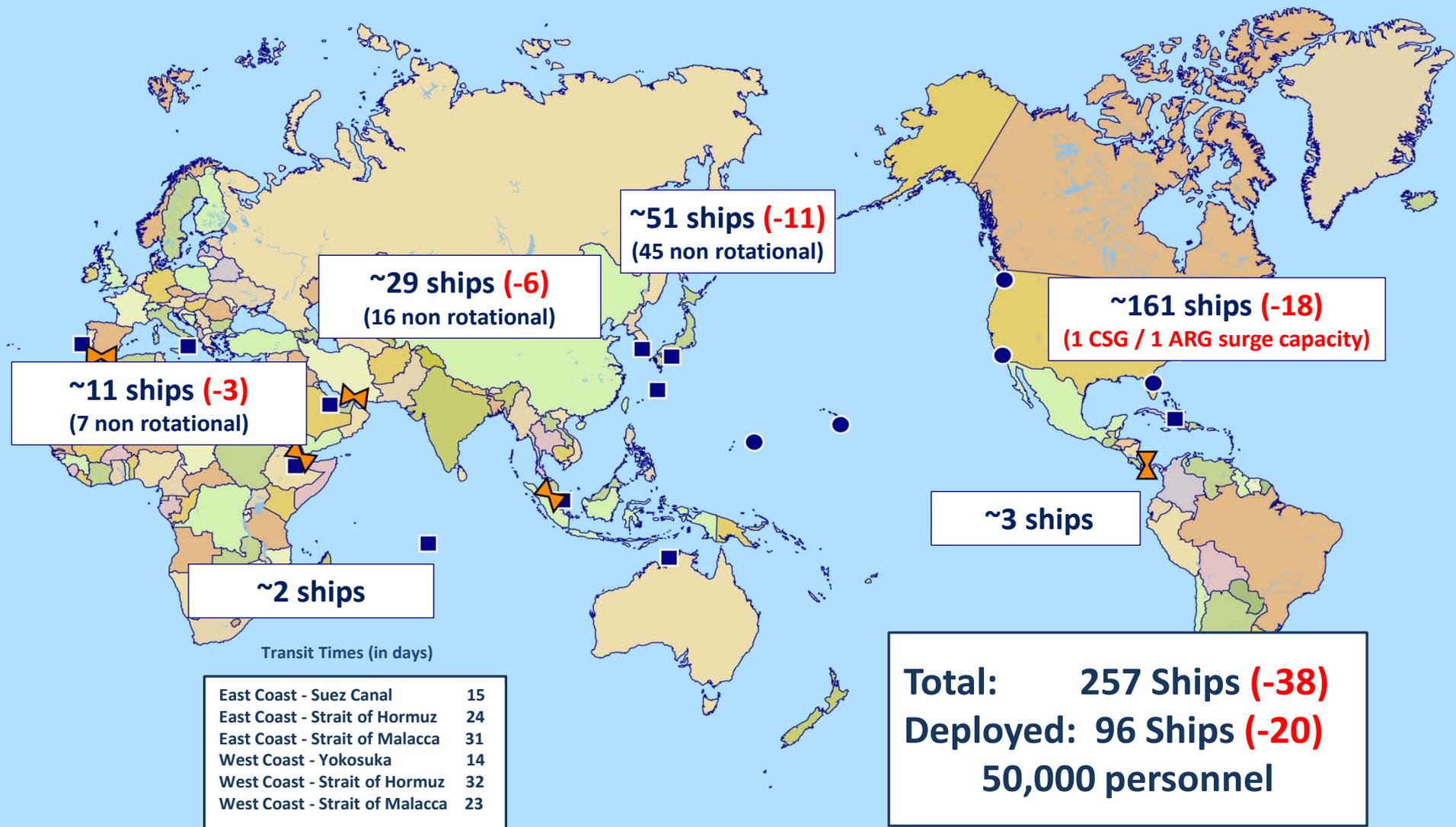
OPERATE FORWARD:
Strategic Maritime Crossroads



TOMORROW'S
NAVY

OPERATE FORWARD:
 Strategic Maritime Crossroads

***Backup
Slides***



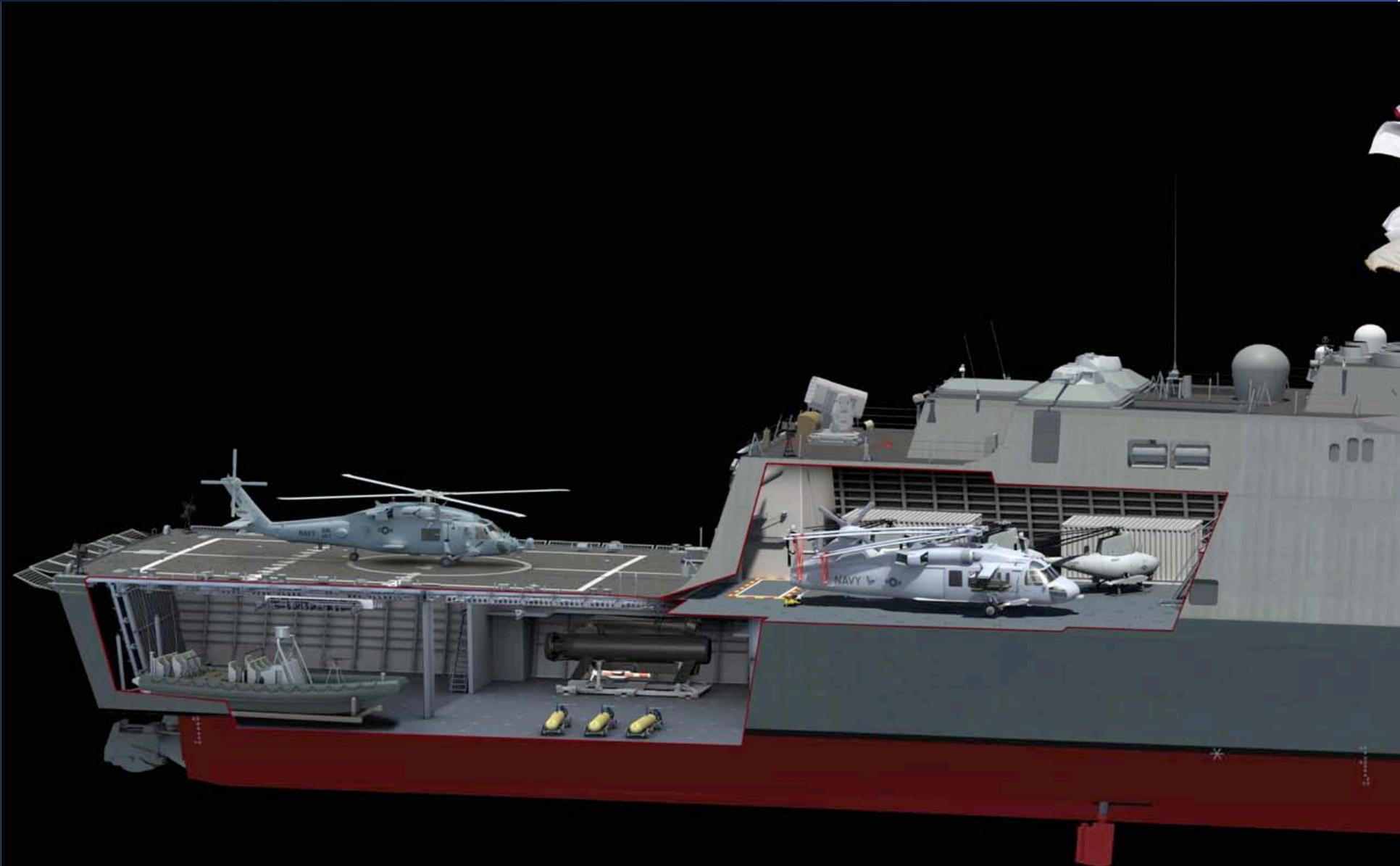
Naval Presence 2020

Under Sequestration

Littoral Combat Ship (Freedom Variant)



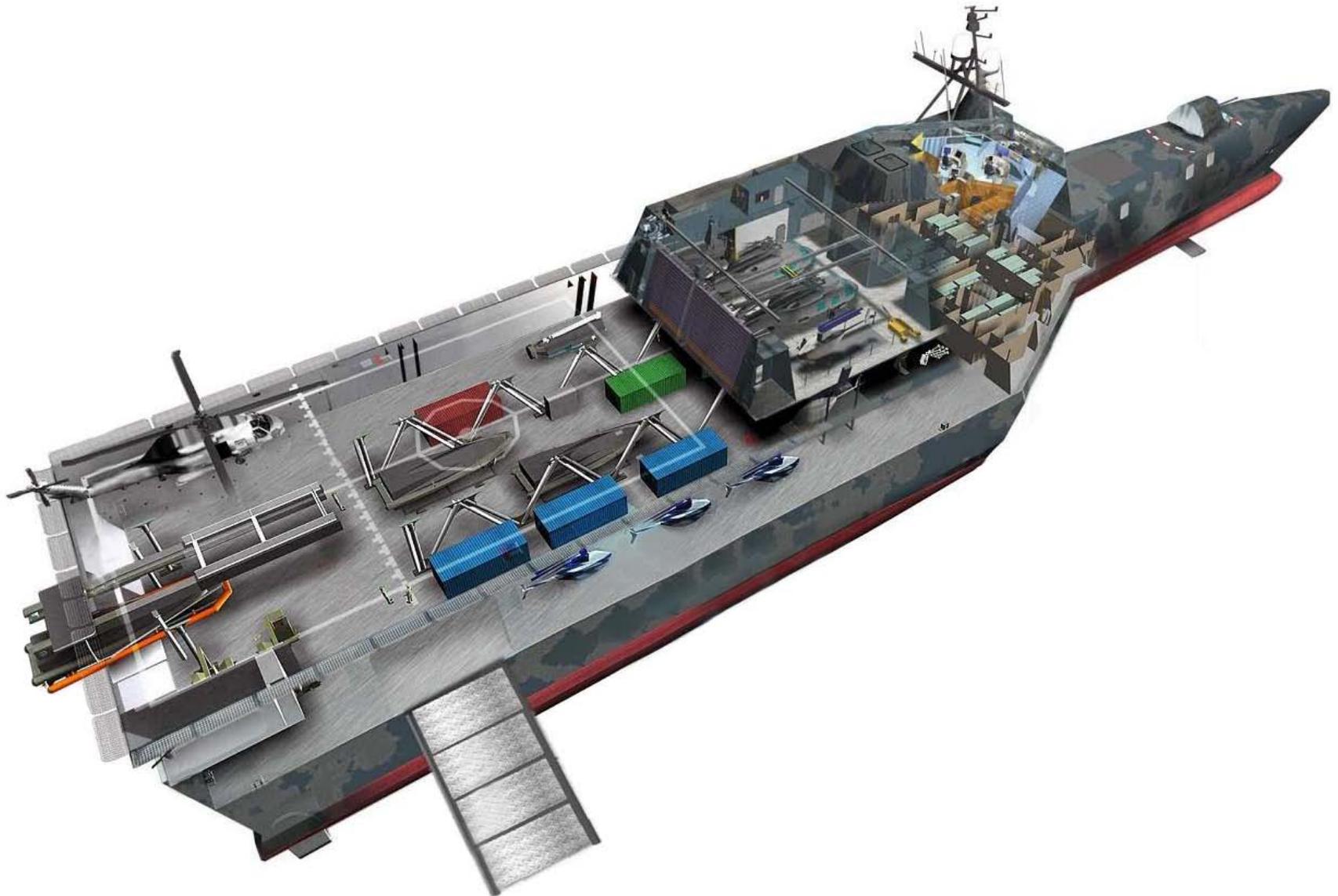
Littoral Combat Ship Modularity



Littoral Combat Ship (Independence Variant)



Littoral Combat Ship Modularity



Mobile Landing Platform (Montford Point MLP-1)



Mobile Landing Platform (USNS Montford Point)



Mobile Landing Platform (USNS Montford Point)



MLP - Afloat Forward Staging Base



Joint High Speed Vessel (USNS Spearhead)



Joint High Speed Vessel – Mission Bay



Joint High Speed Vessel – Troop Seating



X-47B: UCAS

Take off from USS GEORGE H. W. BUSH: 14 May 2013



Laser Weapon System – USS DEWEY (DDG 105)



Electromagnetic Railgun

Gun-fired solution for missions currently accomplished by missiles:

- GPS-guided rounds; up to 110 mi range
- *Dramatically shifts cost in our favor:*
 - \$25k per round
 - USN missile ~\$1-22M
 - Adversary missile ~\$1-7M

Missions:

- Anti-air warfare
- Anti-surface warfare
- Extended-range land attack
- Ballistic missile defense
- Cruise missile defense



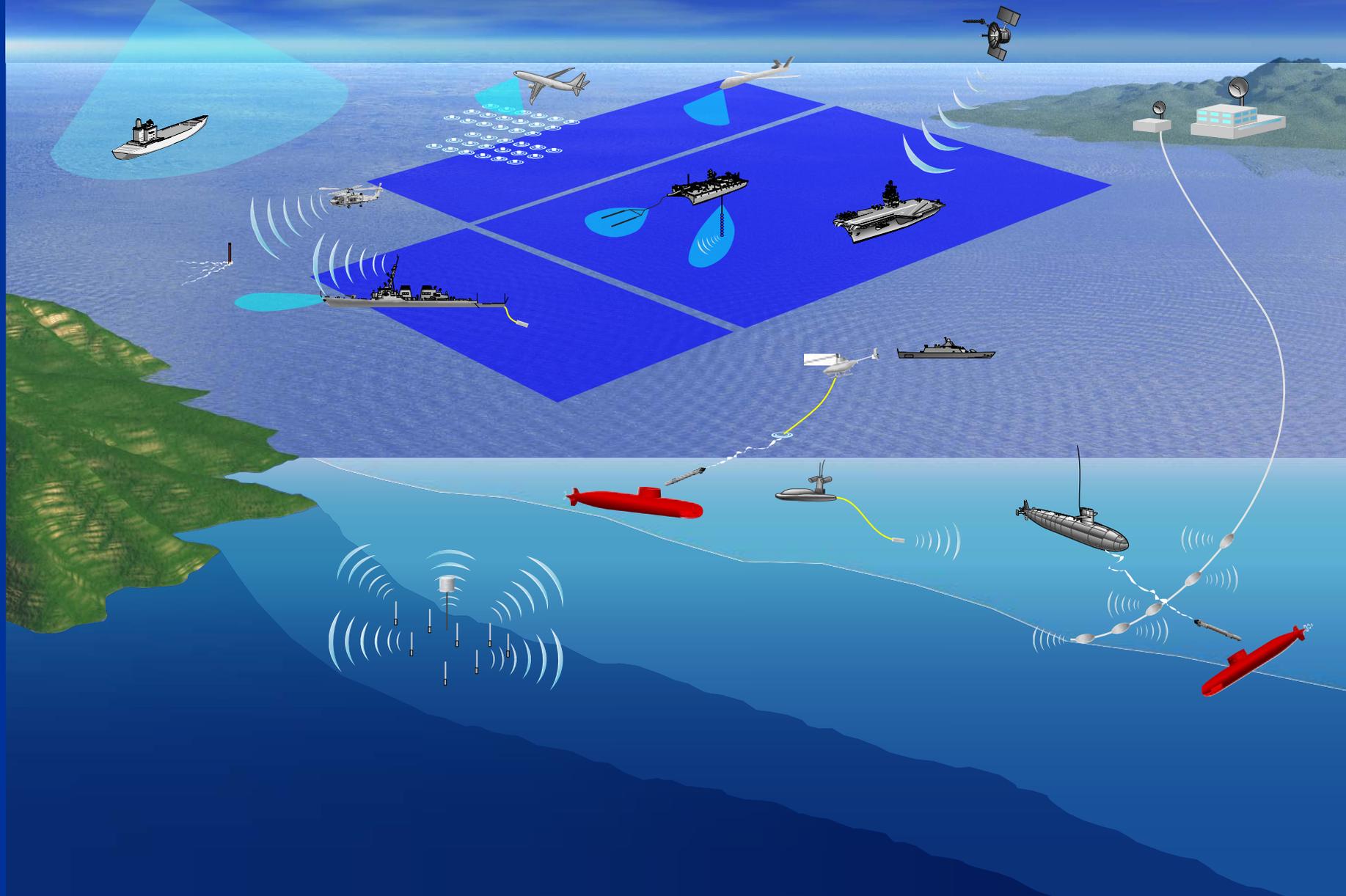
Griffin Missile on Cyclone-class PC



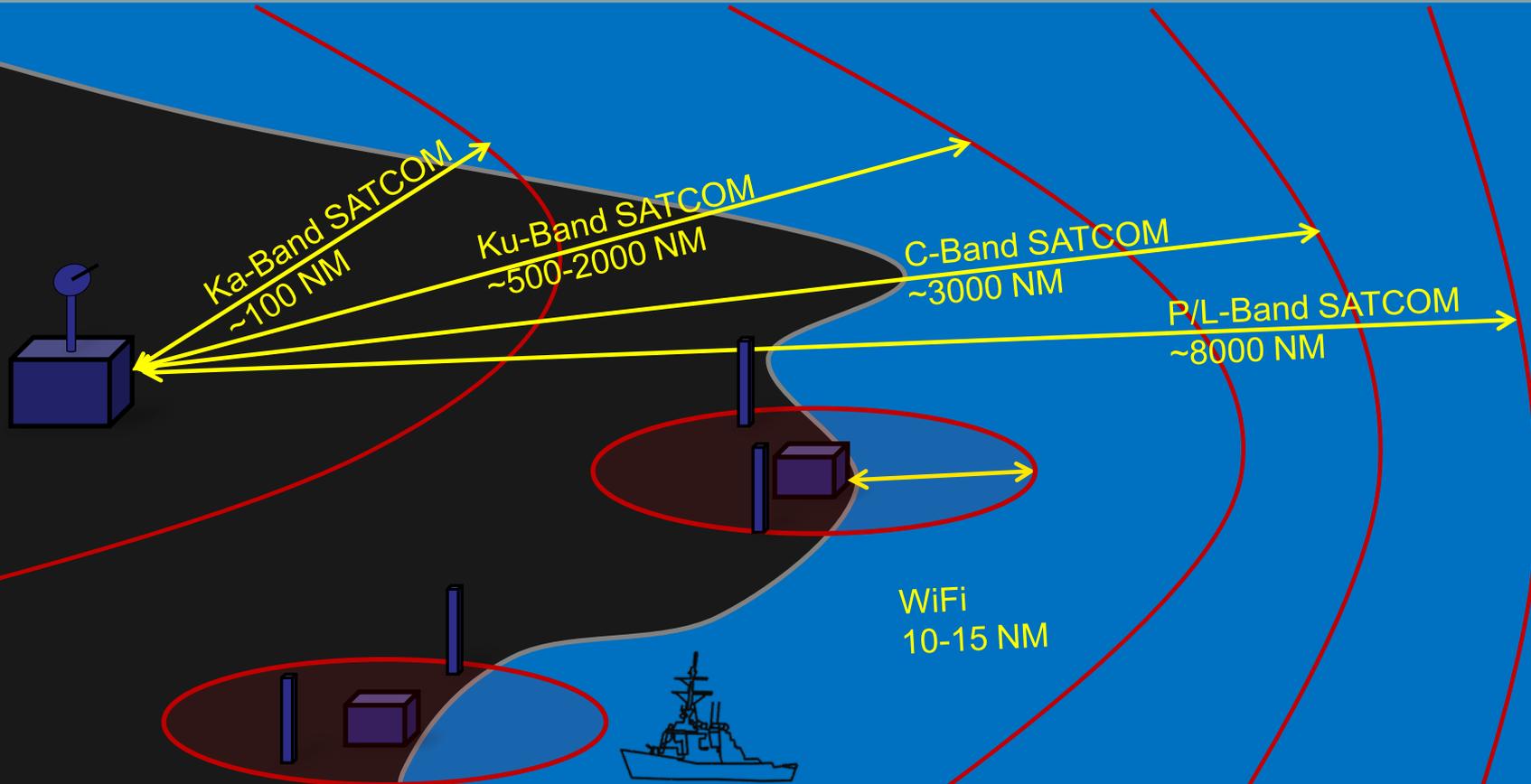
Griffin Missile on Cyclone-class PC



USW All-Domain Approach



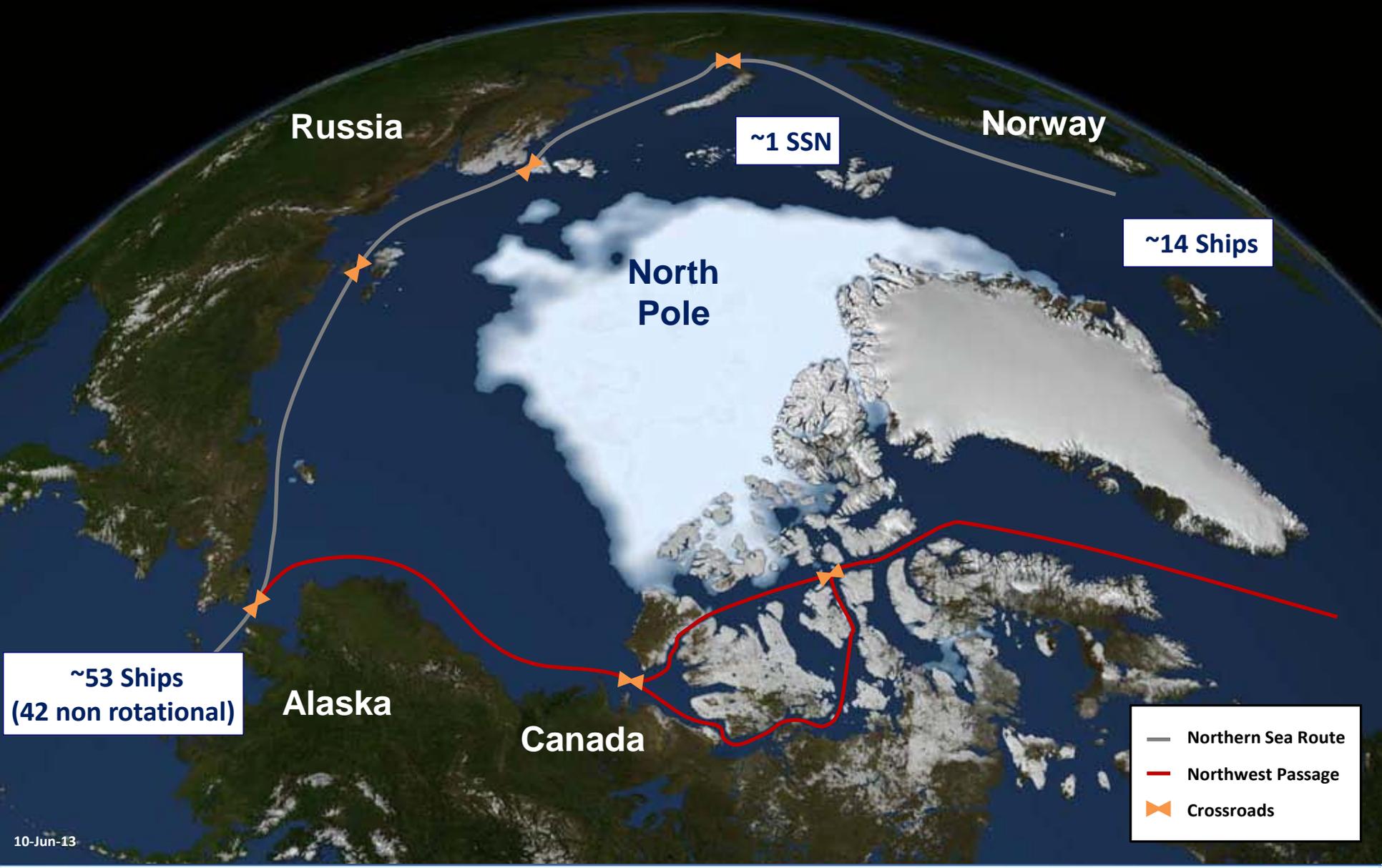
Wi-Fi Network Reach



USS AMERICA (CV 66) Vestfjord, Norway



Arctic Ice Coverage



Russia

Norway

~1 SSN

~14 Ships

North Pole

~53 Ships
(42 non rotational)

Alaska

Canada

- Northern Sea Route
- Northwest Passage
- 📍 Crossroads