

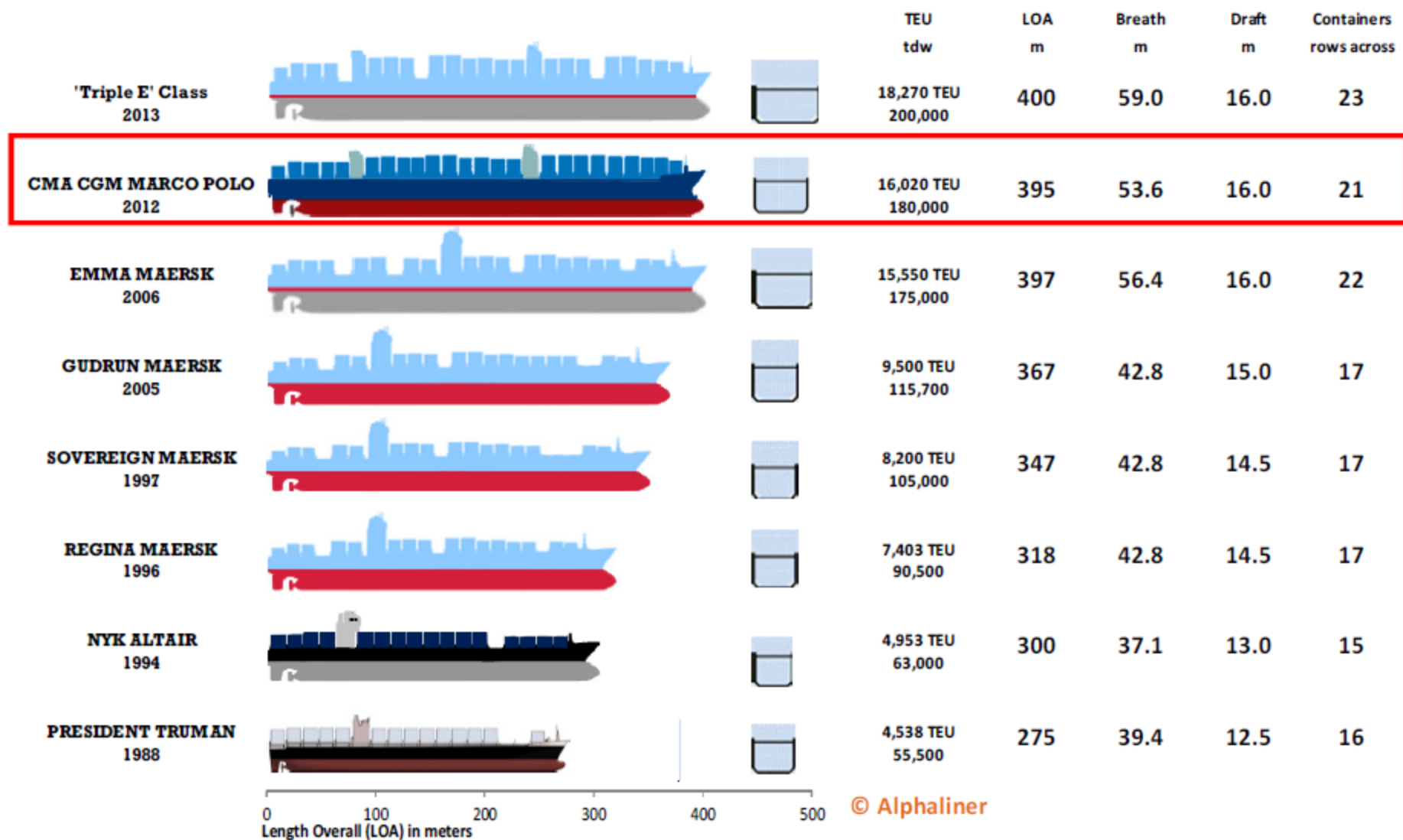


Mega Ships: Who Gets the Benefit?

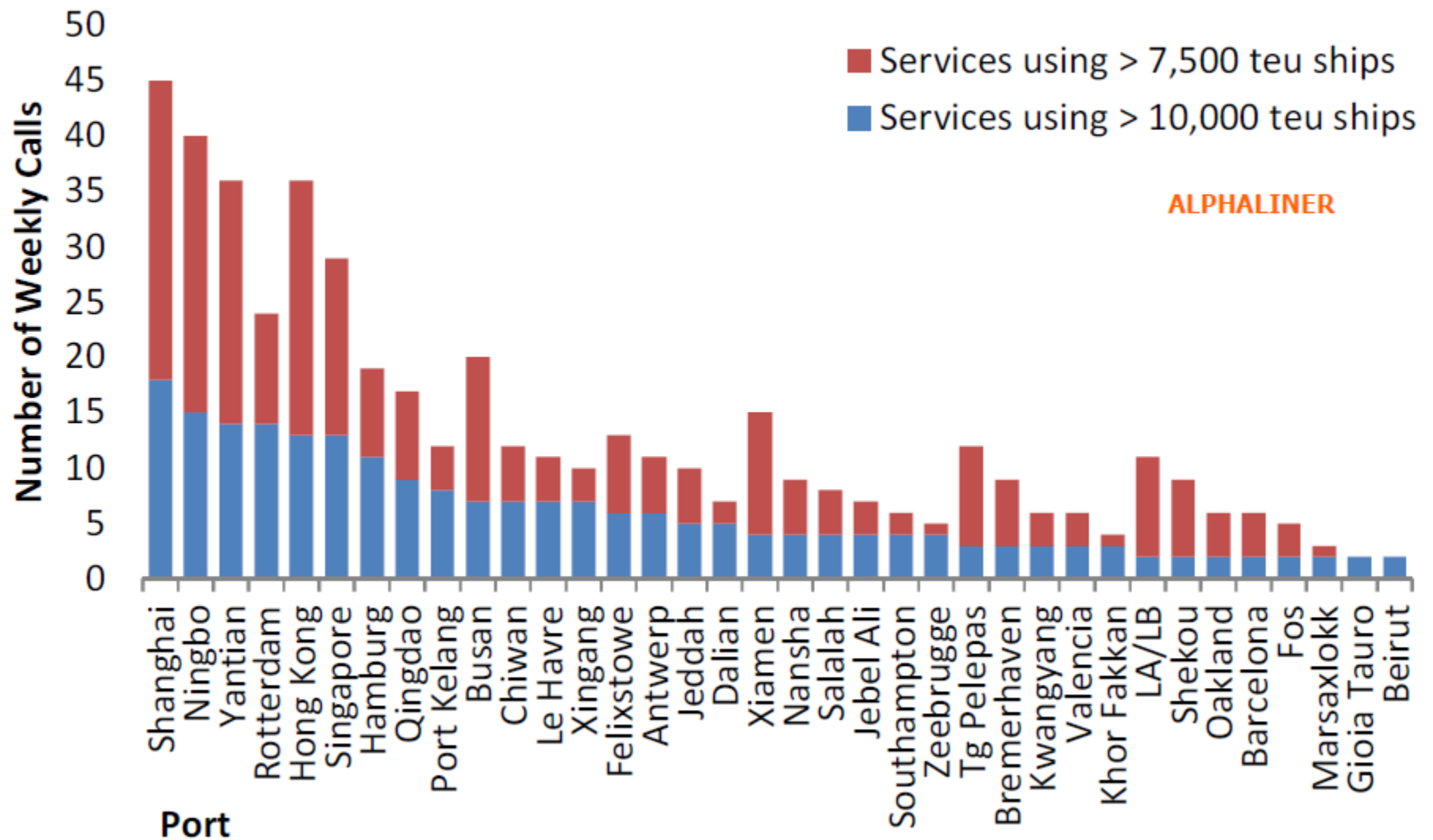
Gene Seroka – APL President, Americas

Long Beach, CA
March 4, 2013

Evolution of the largest containerships : 1988-2013

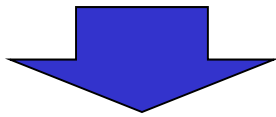


Main ports handling VLCS >7,500/10,000 teu as at December 2012



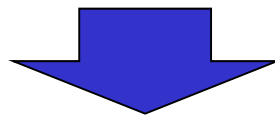
Market Dynamics

Significant industry losses have forced carriers to drastically reduce costs

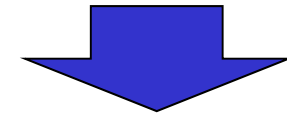


The formation of super consortia is enabling carriers to operate bigger ships at reduced slot costs

- MSC and CMA
- G6 Asia – Eur & USEC
- Evergreen, CHKY, China Shipping, Zim



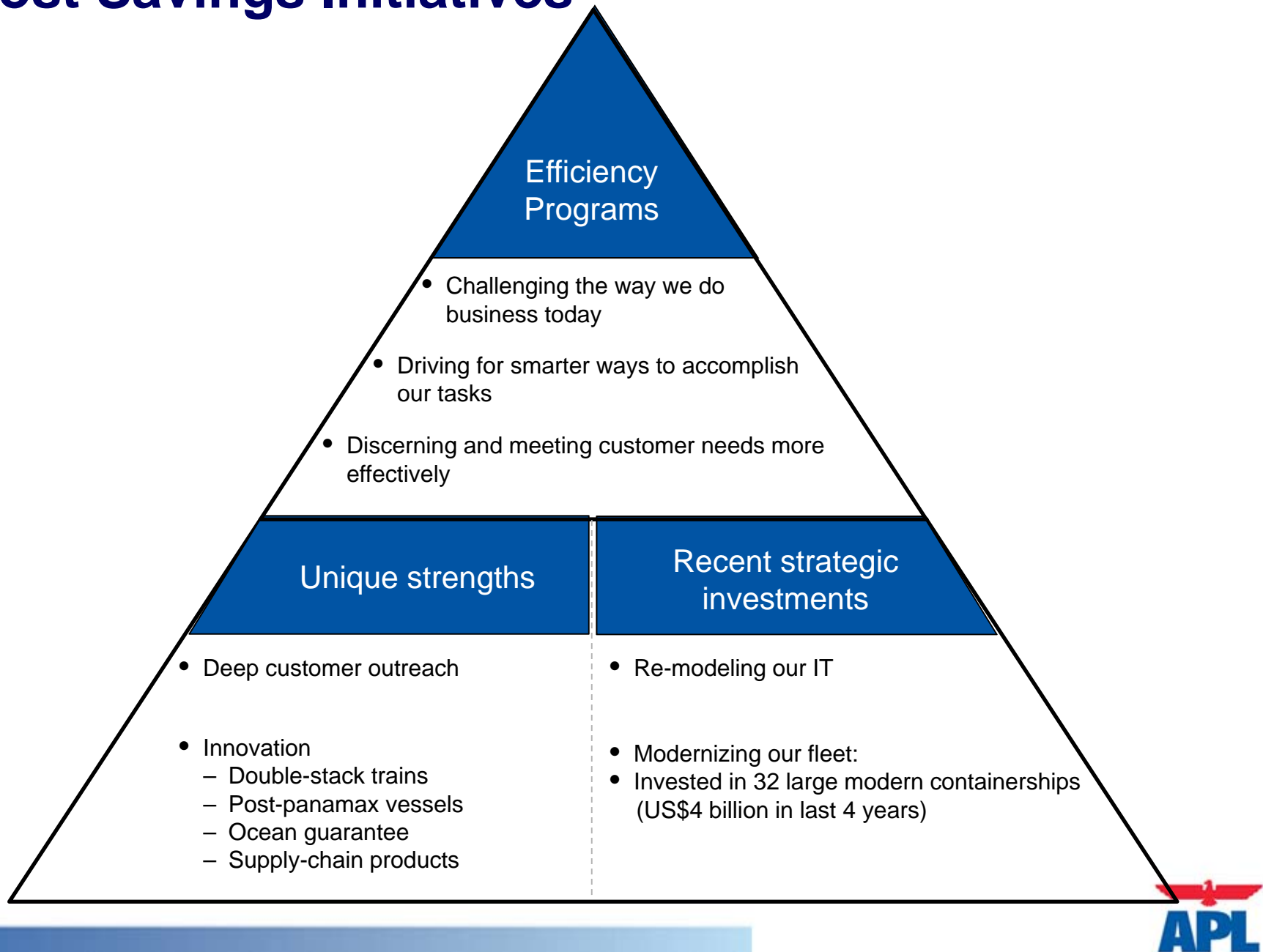
Ambitious cost savings goals have been announced



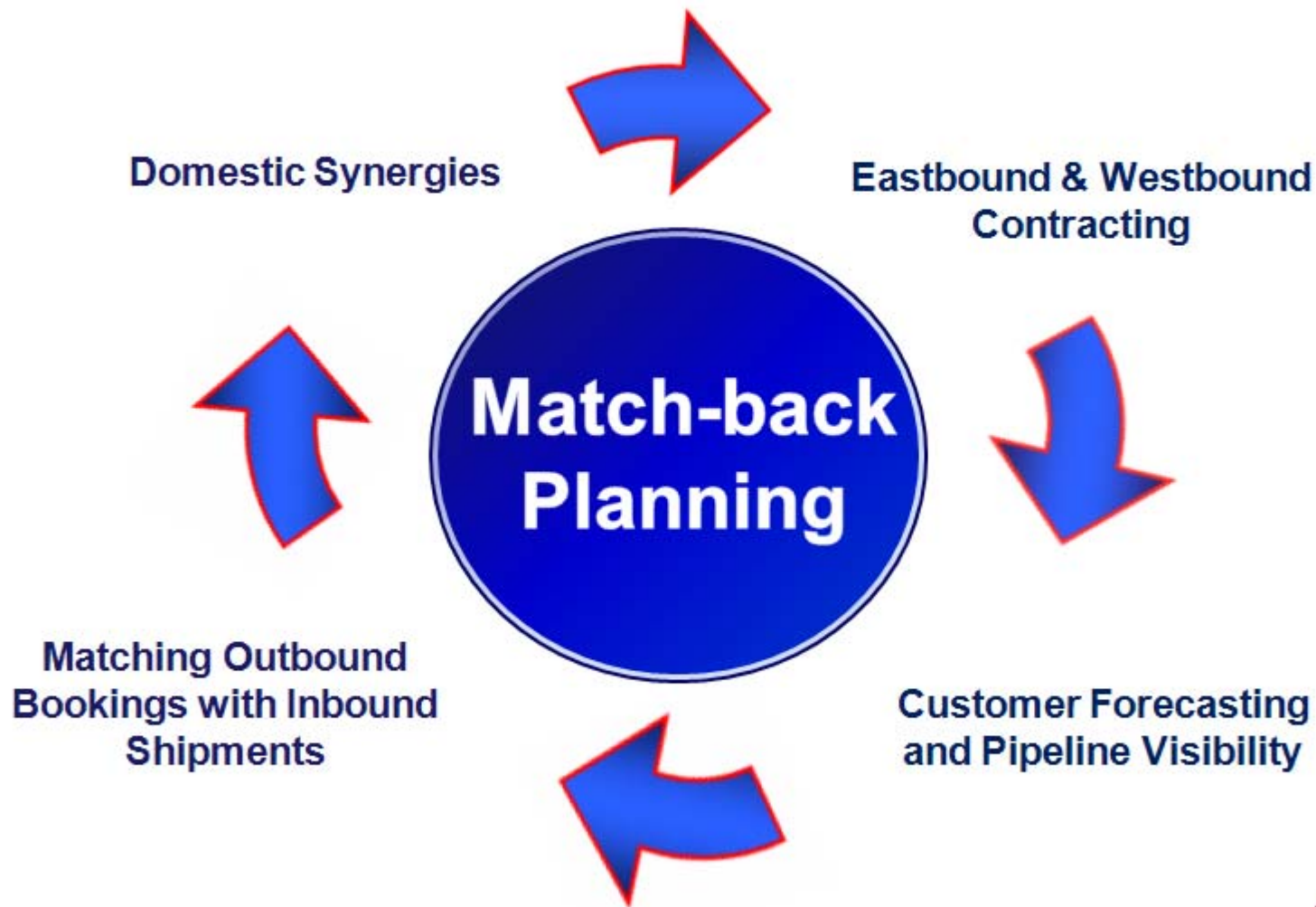
Carriers are more conscious of equipment matchback opportunities in order to reduce repositioning costs



Cost Savings Initiatives



Managing Match-back Opportunities



Service Options: Investing in our Network



- **New CGG Facility**

- 43 Acres
- Container Capacity: 1,600 Stalls, 400 Decked
- Gates: 4 Inbound/3 Outbound
- M&R: 19,000 Sq. Ft. Shop
 - 10 Bay Chassis/ Container Repair
- 700 Gate moves daily

- **Fleet Expansion**

- 34 Vessels ordered
- Delivery between Q4 2011 and 2014
- Best fuel efficiency in the industry
- 10x14,000 TEU Vessels

- **Productivity Improvements at GGS**

- Crane Backreach
- Opens up more traffic lanes “under the hook”
- Better traffic flow, increased efficiency
- Future growth
- Increased safety

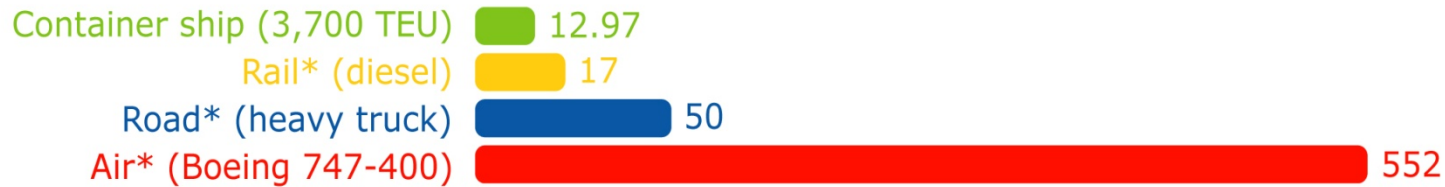
APL's Carbon Reduction Statement

APL's 2015 goal is to reduce greenhouse gas emissions associated with cargo transportation and handling to 30% below 2009 emissions levels.



Container Shipping & Emissions

CO₂ emissions (grammes) to carry 1 ton of cargo 1km



*Source: The Network for Transport and the Environment

Energy used (kilowatts) to carry 1 ton of cargo 1km



*Source: The Network for Transport and the Environment

Shipping is the most environmental friendly and energy efficient form of transportation



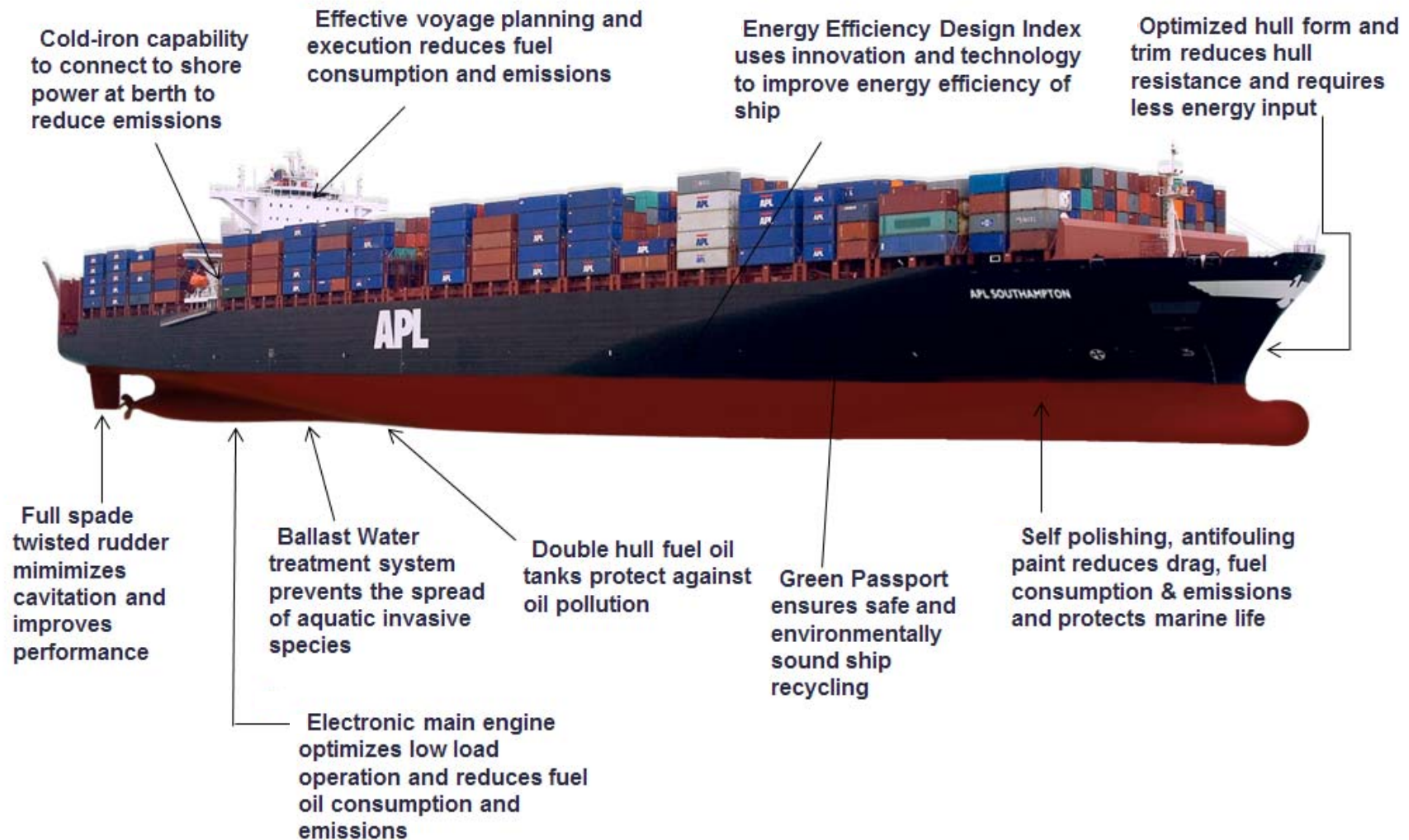
Continued Environmental Initiatives



Eco-responsible operations for a sustainable future

- Enforcement of Emission Control Area (ECA)
- Speed Optimization, schedule, weather routing and best practices to reduce CO₂ emissions
- Low Sulphur Fuel
- Cold Ironing
- Seawater Scrubber
- Ballast Water Treatment
- Environmentally friendly paint on ship hulls
- Voluntary Speed Reduction in Southern California waters to reduce emissions
- Eliminating drayage thru on-dock rail
- Received Premier Marine Environment Award

New Builds - Environmental Features



Anticipated Customer Concerns

- Bigger Ships lead to less options available
- Potentially longer port stays
- Trans-shipment concerns
- How to fill the ships
- Placement of Distribution Centers may not be cost effective in the future due to changes in available services at certain ports

