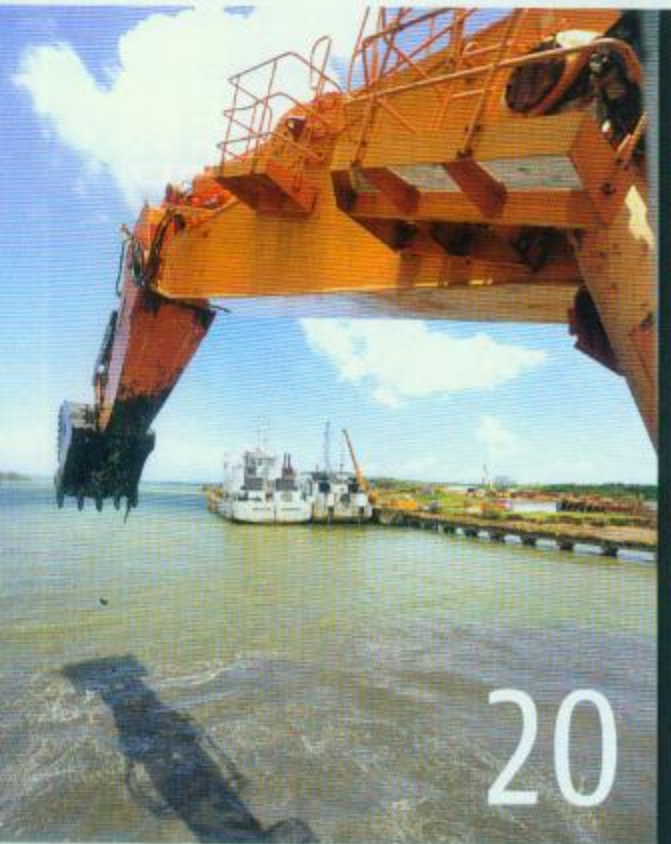


(contents)

MARINE TECHNOLOGY July 2011



Linking Two Oceans a Second Time Around

BY YIRA A. FLORES NAYLOR

Challenges and opportunities in expanding the Panama Canal



ON THE COVER:

Approved by the people of Panama in 2006, the expansion of the Panama Canal will result in a new third set of locks as well as new navigational channels for increased transit by the world's ships. Photo courtesy the Panama Canal Authority.

COVER DESIGN BY BATES CREATIVE GROUP

[FEATURES]

26

New Dimensions

BY OCTAVIO STAGG

The impact of the Panama Canal expansion on vessel design and construction

34

The (mt) Interview: The Thinking Behind the Expansion

Jorge L. Quijano weighs in on capacity, evolving markets, and revenue streams

40

Limits to Growth?

BY KAI LEVANDER

As cruise ships get larger and larger, operators and naval architects look for innovative solutions

46

The Route-to-Carbon Footprint Connection

BY GERALDINE KNATZ

Examining greenhouse gas emissions and alternative routings

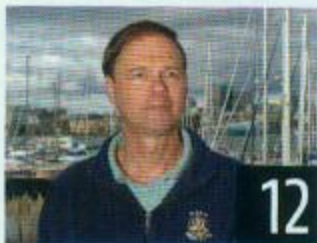
52

Vessel Report: New Panamax Container Ships

BY ROBERT K.C. TSENG

Specifications and particulars on new Panamax designs

[DEPARTMENTS]



- 4 From the Editorial Board
- 5 Society Update
- 6 Feature Contributors
- 7 Industry Events
- 8 Opinion
- 10 Professional Development
- 12 Founders and Leaders
- 16 Marine Technology Notes
- 56 Education
- 60 In Review
- 62 Abstracts
- 64 Glossary
- 66 Historical Note