The Challenges for Ship Owners
Impacting the Global Economy

EMPLOYMENT / UTILIZATION

SAFETY
EFFICIENCY
MAINTENANCE
COMPLIANCE
TRAINING
The Culture of Safety

➢ IDENTIFY & ILLUMINATE
➢ ESTABLISH & MAINTAIN
➢ IMPLEMENT / CHECK & BALANCE
➢ CONSIDER, INCLUDE, PROMOTE, PROVOKE, MOTIVATE
➢ CONSISTENTLY DEMAND
➢ UNDERSTAND HUMAN FACTORS
Efficiency

➢ PREPAREDNESS
➢ COMPLIANCE
➢ SHIP SYSTEMS
➢ THE INTERNET OF THINGS (IoT)
➢ DIGITALIZATION
➢ BLOCKCHAIN
➢ AUTOMATION
STANDARD/REQUIRED DRY DOCKING

RETRO FITTING

STANDARDIZATION

COSTS

REDUCTION IN SYSTEM MANUFACTURERS
Environmental Compliance

- STANDARD INDUSTRY & PROPRIETARY
- IMO 2020
- BUY .5% LSFO?
- INSTALL SCRUBBERS?
- LNG?
- BWMC
Training

➢ STANDARD & PROPRIETARY

➢ SPECIALIZED & PRACTICAL

➢ THEORY & REMEDIAL

➢ SAFETY & SECURITY

➢ TECHNOLOGY

➢ HUMAN FACTORS
In the middle of difficulty lies opportunity

Albert Einstein