

# Digital Ship Singapore 2015

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“Navigating the Safety Challenges”

-VINOD GEORGE



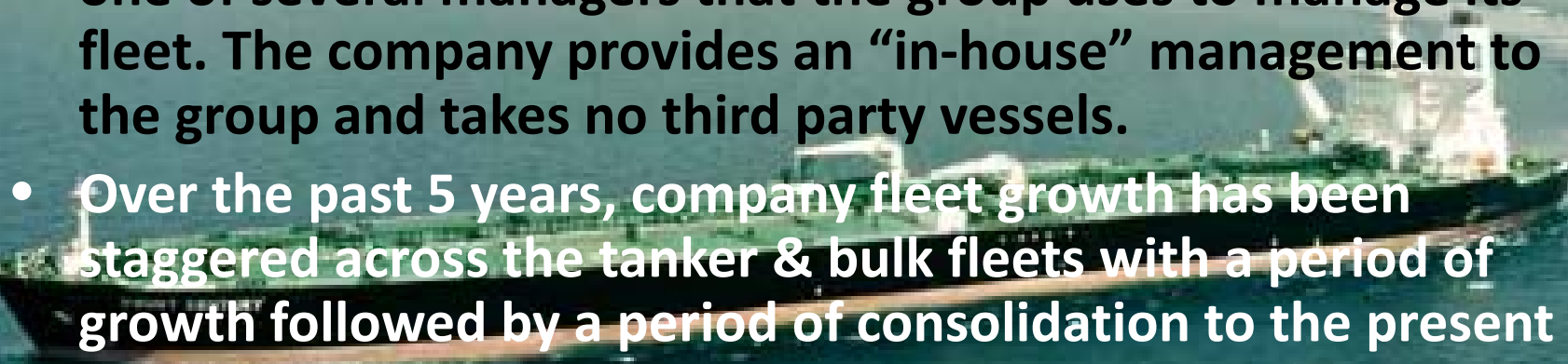
Started sea career as cadet with Wilhelmsen (formerly Barber Ship Mgt) in 1992 till Master.

After 18 years in 2010 moved to SeaTeam which was started as an in house management company of Frontline Group and Golden Ocean. In January 2011 moved ashore with SeaTeam and was based out of their Chennai office as the Training Superintendent / Quality Safety Coach. Promoted to Training Manager in 2012 and was responsible for training matters related to Sea staff for the Oil Tanker and Product Tankers, administration of the Chennai training Centre and on board training together with being the QS Coach.

In the beginning of 2014 moved to SeaTeam Singapore as Senior Marine Superintendent and part of the HSQE department.

# ECDIS and ENCs

## Navigating the Safety Challenges

- **SeaTeam is a subsidiary of the John Fredriksen group and is one of several managers that the group uses to manage its fleet. The company provides an “in-house” management to the group and takes no third party vessels.**
  - **Over the past 5 years, company fleet growth has been staggered across the tanker & bulk fleets with a period of growth followed by a period of consolidation to the present fleet of 34 vessels. (15 tanker and 19 bulk vessels)**
  - **13 Tankers and 13 bulk vessels are fully ECDIS and paper less.**
  - **It has been a big change and required a detailed MOC.**
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- A large cargo ship, likely a bulk carrier, is shown from a side-on perspective, sailing on a blue sea. The ship has a dark hull and a white superstructure with multiple masts and cranes. The background shows a hazy horizon under a light sky.

# ECDIS and ENCs

## Navigating the Safety Challenges

### ❖ Advantages:-

- Increase in Spatial awareness and efficiency
- Fusion of Nav Aid information
- Increased safety barriers in dangerous conditions
- Fast, accurate passage planning and re-planning
- Automated, fast, accurate chart updates



# ECDIS and ENC's

## Navigating the Safety Challenges

### ❖ Disadvantages:-

- Mainly GIGO - Garbage In Garbage Out
- Reliability and Over Reliance.
- Various models / features / marketing
- Anomalies / Wrong Settings / Alarm Deafness
- Over Reliance or Resistance to Change



# ECDIS and ENC's

## Navigating the Safety Challenges

### ❖ Technology to enhance navigational challenges

- Reduce workload & increase efficiency
- Significant shift in both mind set and competence levels.
- Seamless information transfer
- Integration of existing systems



# ECDIS and ENC's

## Navigating the Safety Challenges

### ❖ SeaTeam's Progress from Paper to Digital

- New delivery vessels from 2010- Single ECDIS
- First Full ECDIS vessel – 2013
- Dockings from 2014 had dual ECDIS
- Service providers.
- Keeping systems up to date with minimal interruption.

**Compliance is never a once-and-done exercise. You've got to find a way to get there and stay there.**

Patrick McBride

QUOTEHD.COM



# ECDIS and ENCs

## Navigating the Safety Challenges

### ❖ Considering the facts and minding the pitfalls

- Strategy
- Information overdose and seamless integration with onboard
- Service providers
- Upgrades to services – Onboard/Ashore
- Support system





# ECDIS and ENC

## Navigating the Safety Challenges

The importance of choosing the correct partners

