日本郵船株式会社

NYK GROUP

NYK's challenges
-Against piracy and armed robbery in Asia-

4th March 2015

NYK Line
(a member of JSA)
Marine Group Deputy General Manager

Capt. Katsuhiko HARUNA

NYK GROUP

Content

1. Company Profile

2. Manning Source for NYK Vessels

3. NYK e-missions' (Vessel Monitoring System)

4. Countermeasure for Anti-Piracy

5. Piracy Incident in ASIA (NYK Vessel)

6. Conclusion

Company Profile

Name: Nippon Yusen
Kabushiki Kaisha (NYK Line)

Head Office: 3-2, Marunouchi 2-Chome,
Chiyoda-Ku, Tokyo
100-0005 Japan

Established: September 29, 1885
(Started business October 1,1885)

Employees: 55,000 world wide staff

History of NYK Line

185 vessels & over 5,000 employee lives
were lost at NYK during W. W. II.
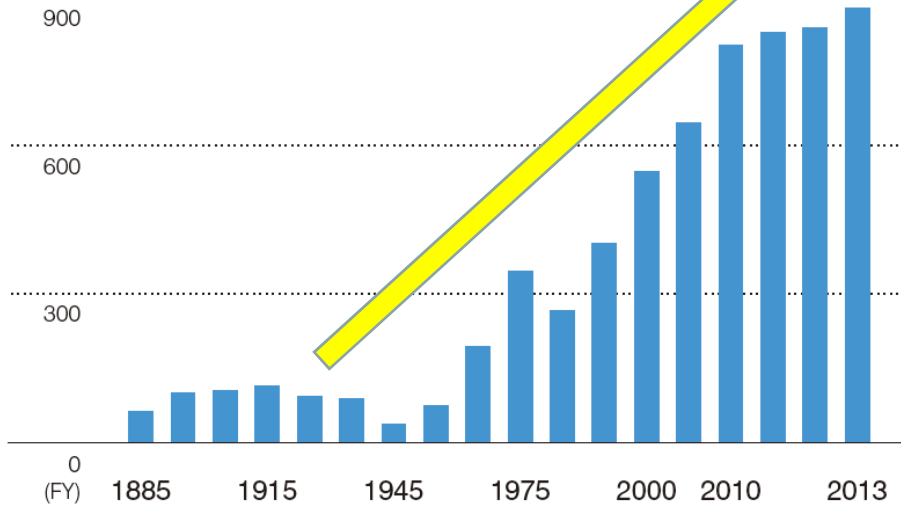In 1945, only 37 NYK ships remained.

The Start from Zero
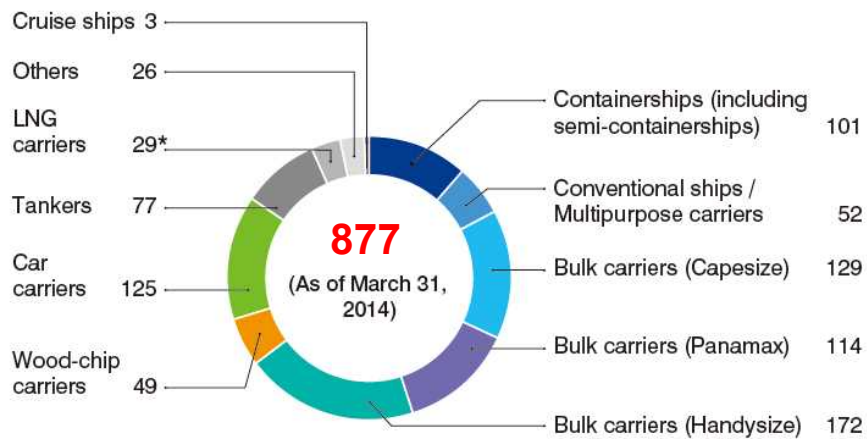
4

NYK Fleet Growth

Operating Vessel Numbers

(Vessels)

NYK Fleet Profile

Number of Operating Vessels

(Vessels)

Cruise ships	3
Others	26
LNG carriers	29*
Tankers	77
Car carriers	125
Wood-chip carriers	49

877
(As of March 31, 2014)

Containerships (including semi-containerships)	101
Conventional ships / Multipurpose carriers	52
Bulk carriers (Capesize)	129
Bulk carriers (Panamax)	114
Bulk carriers (Handysize)	172

* Including vessels owned through joint ventures, the Group owned 67 LNG carriers as of March 31, 2014.

Establishment of Maritime Academy

NYK-TDG Maritime Academy

- Opening: June 2007
  Expanded up to 180 students on June 2013
- Scale: 120 students per grade
  60 deck officers; 60 engineers
  About 35 instructors
- Location: Canlubang City
  (about one hour from Manila)
- Area: Nine hectares
- System: Total of four years
  Three years of lectures
  + one year of onboard training

7

Academic Building

| AUDIO VISUAL ROOM | CHEMISTRY LABORATORY | CLASSROOM | COMPUTER LABORATORY | KUMON LEARNING CENTER |

PHYSICS LABORATORY   SPEECH LABORATORY

8

Mariner's Building

ELECTRICAL ROOM

FIRE FIGHTING ROOM

GMDSS ROOM

MACHINERY ROOM

MOCK BRIDGE

PLOTTING ROOM

REFRIGERATION ROOM

SEAMANSHIP LABORATORY

SMOKE HOUSE

WELDING ROOM

Dormitory Building

CADET 'S ROOM

CAFETORIUM

CYBER NOOK

MEDICAL-DENTAL CLINIC

INFIRMARY

LAUNDRY AREA

LIBRARY

Administration Building

RECEPTION AREA   LOBY   FACULTY DEVELOPMENT ROOM   VISITOR'S LOUNGE   CONFERENCE ROOM

11

Cadet Training on Training Ships

Construction of Six Cadet Ships

■LNG Carrier (Delivery in 2008)
■Containership × 3 (Delivery in 2008)
■Crude-Oil Carrier (Delivery in 2010)
■LNG Carrier (Delivery in 2012)

·20 cadets accepted
·Instructor on board with cadets
To foster qualified, loyal seafarers through unified basic training

12

NYK- CADET TRAINING SHIP FLEET

Vessel Name	Type	Date of Delivery
GRACE COSMOS	LNG	March 2008
NYK TERRA	Container	July 2008
NYK THEMIS	Container	September 2008
NYK THESEUS	Container	November 2008
TSUGARU	VLCC	September 2010
GRACE DAHLIA	LNG	March 2012
IRIS LEADER	PCC	November 2015

13

Piracy Activity in the World

Arabian Sea, GoA

NYK Vessel Monitoring System
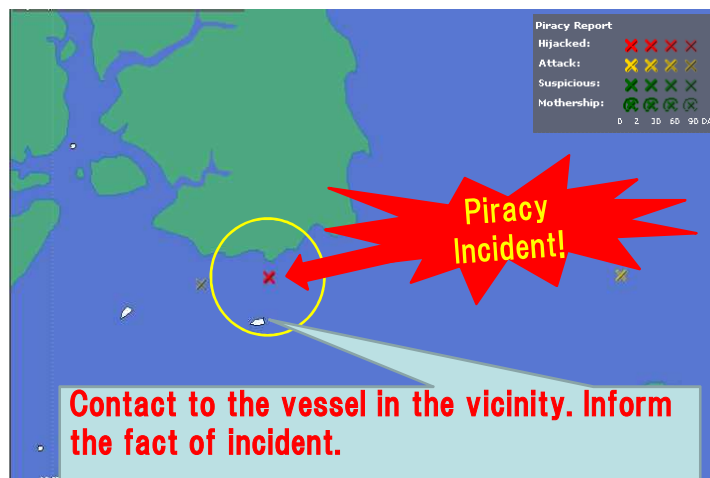
↓

NYK e-missions'

SE Asia

14
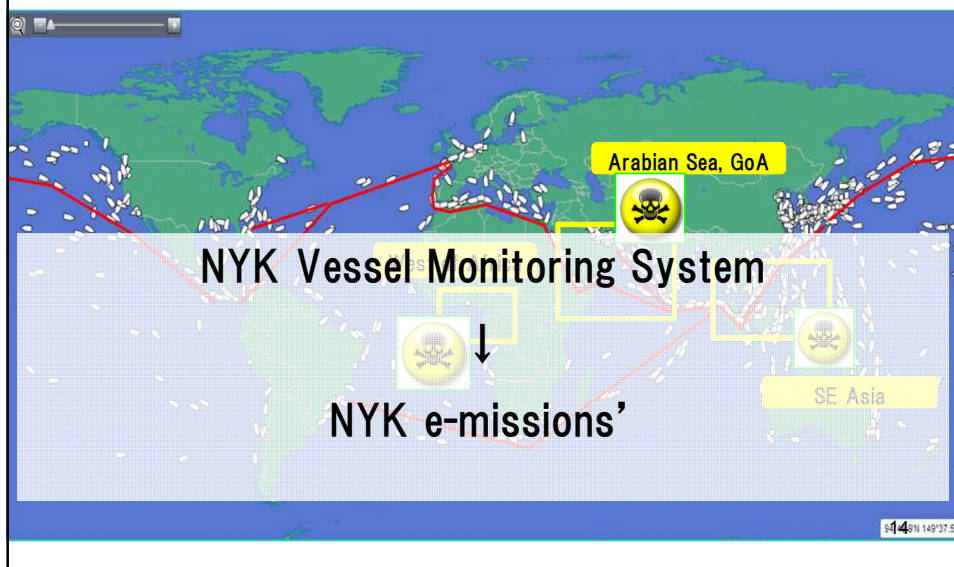
NYK e-missions'

- At moment, approx. 120 NYK Fleet Vessels are transiting in the Asia Region
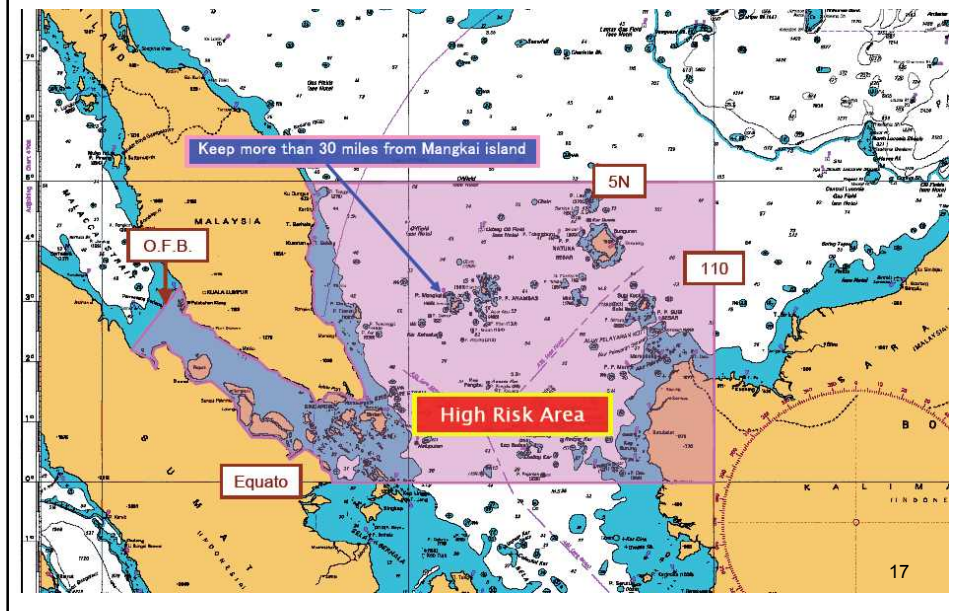- NYK fleets' navigation are displayed on the e-Missions screen and visible to monitor

15
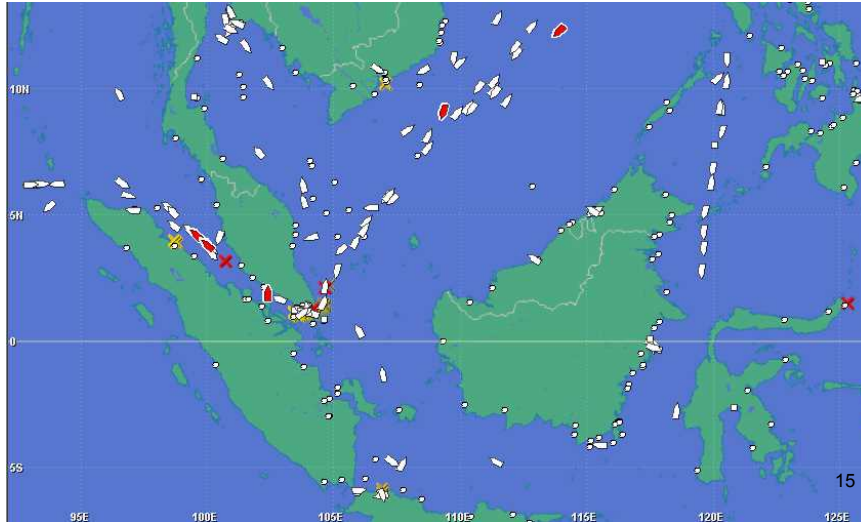
NYK e-missions'

- Refer to IMB and ReCAAP piracy report, marking the location on the e-Missions
- When the piracy incident occurred, checking the location immediately and contacting to the vessels in the vicinity. Alert piracy incident and advise them to heighten security level.

Piracy Incident!

Piracy Report
Hijacked:
Attack:
Suspicious:
Mothership:

Contact to the vessel in the vicinity. Inform the fact of incident.

16

NYK High Risk Area (ASIA)

17

Instruction for NYK Fleet Vessels

1. Gather updated information via NAVTEX, VHF, INMARSAT, etc.
2. Briefing for Crew members prior to transit through the region
3. Assign additional crew for anti-piracy watch
4. Lock all the doors to the living quarters
5. Run the generator and steering motor in parallel as far as practicable
6. Man the engine room
7. Spray water from several appropriate places
8. Use the Jack Light (high illumination light) or other lights effectively
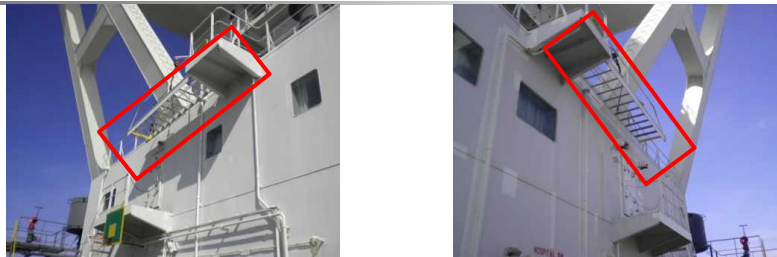9. Sound the ship's whistle and alarm if a pirate attack is imminent
and etc.

18

-Lock the Openings from inside-
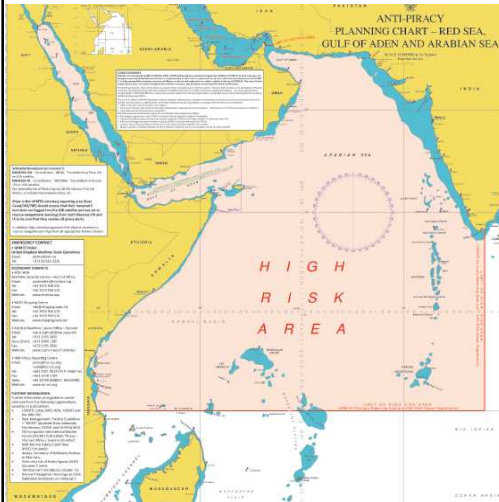
19

-Up the stairway-

-Set the Jacklight
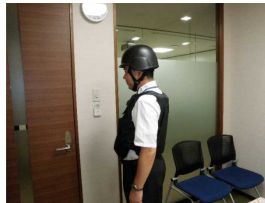
20

High Risk Area (Arabian Sea, GoA)

1. Full Speed or at least 18 knots
2. Insurance (Additional Premium)
3. Private Armed Security Guards
4. Anti-Piracy Kits

21

Countermeasure for Anti-Piracy (Arabian Sea, GoA)

① Bulletproof Helmet and Vest

② Anti-scattering Film

22

Countermeasure for Anti-Piracy （Arabian Sea, GoA）

③ Citadel
  -Lock the Openings into Citadel
  -Provision and Water
  -Communication Equipment

船員シェルター（シタデル）
通信手段
鉄製の壁
非常食
飲料水

船員シェルター
- 船内に厚い鉄製の壁で仕切られた部屋を設置
- 内部に非常食・通信手段などを用意
- 救出直前まで船員たちが避難

④ Scanjet System （Water Jet Nozzle）

Mounting on standard hand rail

23

Countermeasure for Anti-Piracy （Arabian Sea, GoA）

⑤ Razor Wire

⑥（If necessary） Private Armed Security Guard

IMO 9343390

24

Piracy Incident in ASIA (NYK Vessel)

?

5
4
3
2
1
0

| 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

till end of Feb.

25
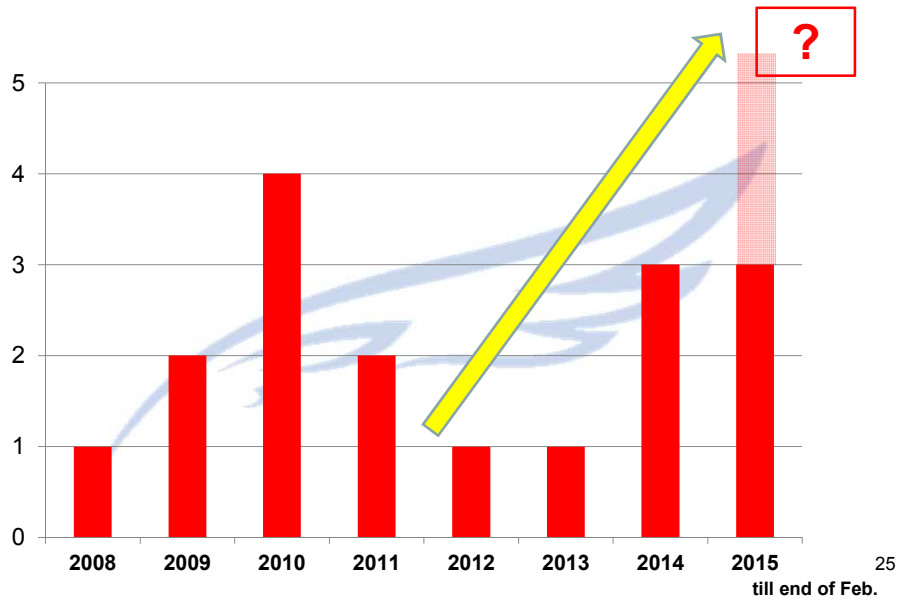
Piracy Incident (NYK Vessel)

Vessel Type : Container
Date : Nov. 2014
Location : In Port

Narrative : Crew Injury, No stolen
Bosun observed the Bosun store door was open during routine deck watch.
Before closing the door, as the boson entered to check this store, robbers
attacked him from behind.
During the attack, bosun did not resist them but still they cut his safety shoes,
removed them and hit the foot with hammer and cut off four fingers of left foot.
The robbers then escaped from the seaward side. He was hospitalized.
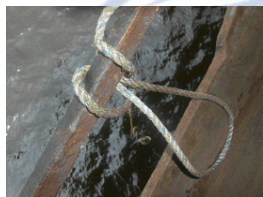
(Robberies escaped through the rope)   (Eye cut of Bosun store door)

26

Piracy Incident (NYK Vessel)

Vessel Type : LPG
Date : Oct. 2014
Location : Singapore Strait

Narrative : Stolen (Engine Spare Parts: abt USD 25,000 value)

Vessel was underway to Port of Singapore. 3AE found the three robberies were in the Steering Room. Immediately inform to Bridge. Sound the ship's whistle and alarm and Master ordered to conduct search. No suspicious personnel on board but several Spare Parts were stolen from Engine Room.

27

Conclusion

We can make the effective countermeasures against piracy and armed robbery

with

Information of Piracy Incident from various sources (IMB, ReCAAP, Authority etc)

however

1. Piracy Incident s are still reported in ASIA.
2. Countermeasures by Shipping Companies and Vessels are limited

Your cooperation, function and patrol are very effective to mitigate the risk against piracy and armed robbery

28

Thank you for your attention!