

WORLD ECDIS DAY SEPTEMBER 2023

SAFETY OF NAVIGATION BEYOND ECDIS

NAVCLOUD SERVICE BY CAPTAIN PIOTR RUSINEK

DPA, TECH3 FLEET TECHNICAL & MARINE SUPERINTENDENT INTERSHIP NAVIGATION



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SAFETY OF NAVIGATION BEYOND ECDIS













- Established in 1988
- Based in Limassol, Cyprus
- Technical and Commercial Management of 40 Owned and Managed vessels
 - ▶ Handy Size Bulk Carriers
 - Multi-Purpose Vessels
 - Cement Carriers
 - **▶** PCTC
- 39 Crew Management Vessels









- Established in 1995
- Based in Limassol, Cyprus
- Full Management of 24 product Tankers
 - ▶ 18 Handies, MRs, LR1s & Aframax
 - ▶ 6 LPG / Pressurized and Semi-Ref Gas Carrier

▶ 5 Crew management vessels









INTERSHIP NAVIGATION ECDIS JOURNEY

ISN-Fleet Expansion 2009-2016

2016 DEVELOPMENT A COMPREHENSIVE INSTALLTION PLAN AND SELECTION OF THE EQUIPMENT

- Establishment of Marine Department and Training for Marine Superintendents
- Training Centers Equipped with ECDIS Began to Operate

2017 IMPLEMENTATION OF NAVIGATIONAL PROCEDURES

- Bridge Manual
- Navigational Audits
- ECDIS Training for Fleet Marine Superintendents

2017 ECDIS INSTALLTIONS

- 25 New Installations
- 14 System Retrofits

2018 ECDIS RELATED ACCIDENT

2018-2023 navigational audits on board, master nav audits,

2019 FIRST NAVCLOUD SERVICE

2021-2022 18 EGLOBE NAVCLOUD G2 CONNECT INSTALLTIONS

2023 19 VESSELS EQUIPPED WITH EGLOBE G2 CONNECT

The land the



SAFETY OF NAVIGATION - BEYOND ECDIS NAVIGATIONAL AUDITS

- Implementation October 2016
- Accomplished 70 Navigational Audits
- Gaps in internal procedures
- Amendments to internal procedures and navigational checklist
- Standardization of navigation procedures
- Introduction of modern navigational systems
- Navigation standards
- Deficiencies and nonconformities
- Navigation accidents
- Bridge teamwork / cooperation between officers
- BT awareness
- Practical trainings on board and in the office.

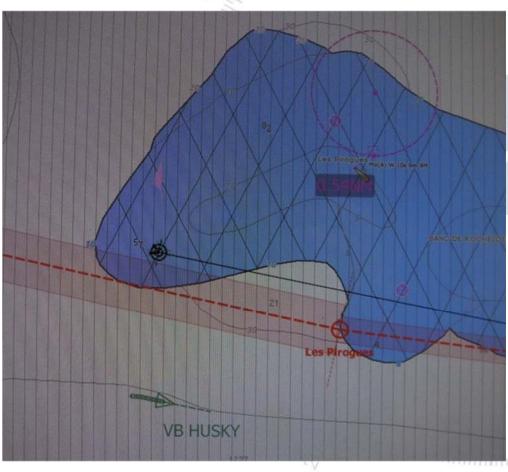
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ECDIS RELATED ACCIDENT

GROUNDING EN ROUTE FROM KINGSTON TO FONS MOMBIN







ECDIS RELATED ACCIDENT

GROUNDING EN ROUTE FROM KINGSTON TO FONS MOMBIN

		11/1	
System Settings & AIS data for own ship & AIS and ARPA Target association	criteria		nt e
Handedness Left-handed Right-handed	Toolbar Management———————————————————————————————————	Info Labels Sailing Mode ☑ Time	Sailing @le
Input Use touchscreen settings (to view on screen aids) Brilliance Control This brilliance will be restored when a new alert occurs. dark		☑ Position ☑ COG ☑ SOG ☑ Heading ☑ Rate of Turn ☑ SPD	Replays View Alerts
Time settings UTC offset 05:00 W Wheel Over Line F-Distance 200		☑STW ☑Depth ☐Cross Track Distance ☐Next Waypoint	Settings Profiles
System Compliance	 	River Monitor	Integrator
IHO: S-63 edition 1.2, S-52 edition 6.1.1 (Preslib 4.0.1), S-57 edition 3.1 SOLAS Regulation V/19.2.1.4 IMO Resolutions: MSC.232(82) (2009), MSC.191(79) (2006), A.694(17) (1991) IEC Standards: 61174 (2008/2009), 60945 (2002), 61162-1 (2010), -2 (1998), 61165-450 (2011), 62288 (2014)	System ID 250035 Seednumber E3FGm48hKP2t S63 User Permit 25F74F15B7D0CB1045B8E6204436 ARCS User Permit BF8D98EE19163743		
Software version Current version: 1.1.1.10 SevenCs EC2007 ECDIS Kernel Version 5.22		(b) Exit Navigation Mode	Cursor — — — — — — — — — — — — — — — — — — —
VECTOR: 12min T GND position by AIS: not filtered — ACTIVE: —		Block Screen Go to Ship	Depth/Height in metres WGS84

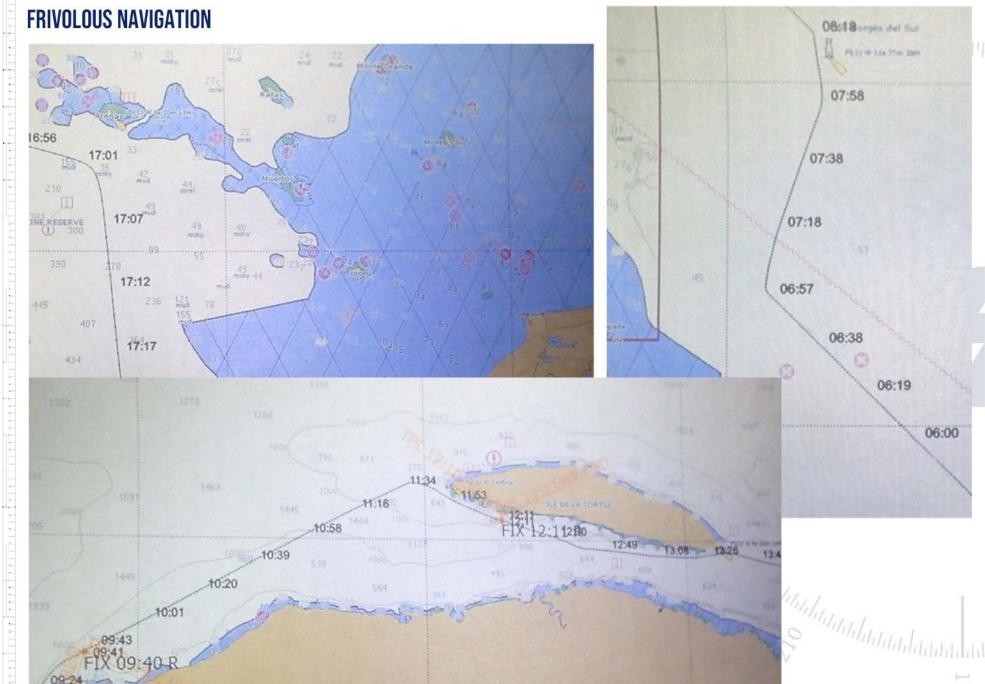
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ECDIS RELATED ACCIDENT

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NAVICLOUD

- INTRODUCTION
- INSTALLATIONS
- PRACTICAL TRAINING ON BOARD
- PRACTICAL TRAINING ON SHORE
- REMOTE ASSESTMENT AND ROUTE MONITORING
- REGULATORY COMPLIANCE
- ALERTS AND NOTIFICATIONS MANAGEMENT
- MASTERS BRIEFINGS
- OFFICERS SEMINARS
- PRE- AUDITS AND PREPARATIONS FOR EXTERNAL INSPECTIONS
- NAVIGATIONAL PROCEDURES
- PASSAGE PLANNING VS VOYAGE EFFICIENCY
- COOPERATION WITH SERVICE PROVIDERS
 SAFETY OF THE NAVIGATION
 BRIDGE TEAM PERFORMANCE

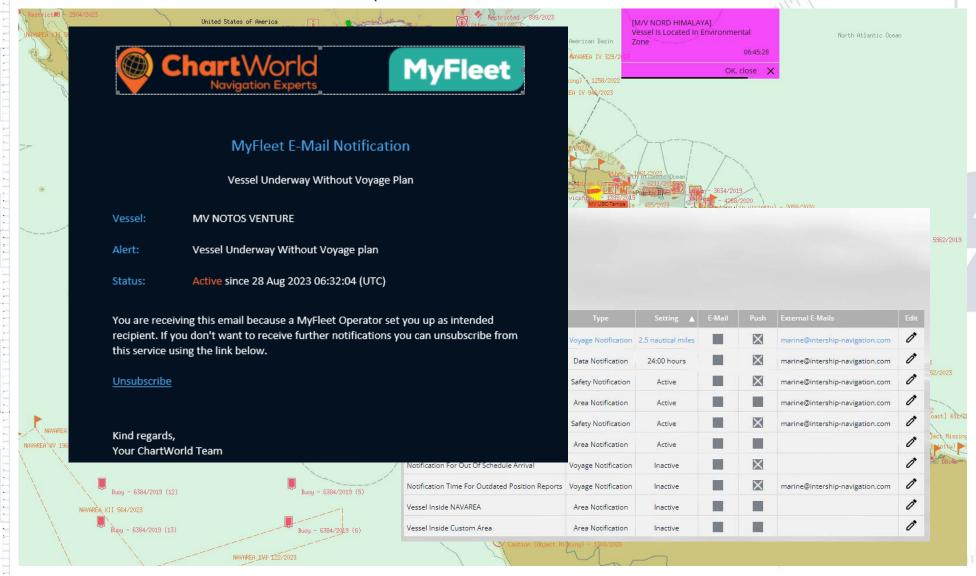


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Live ECDIS monitoring Live Alerts

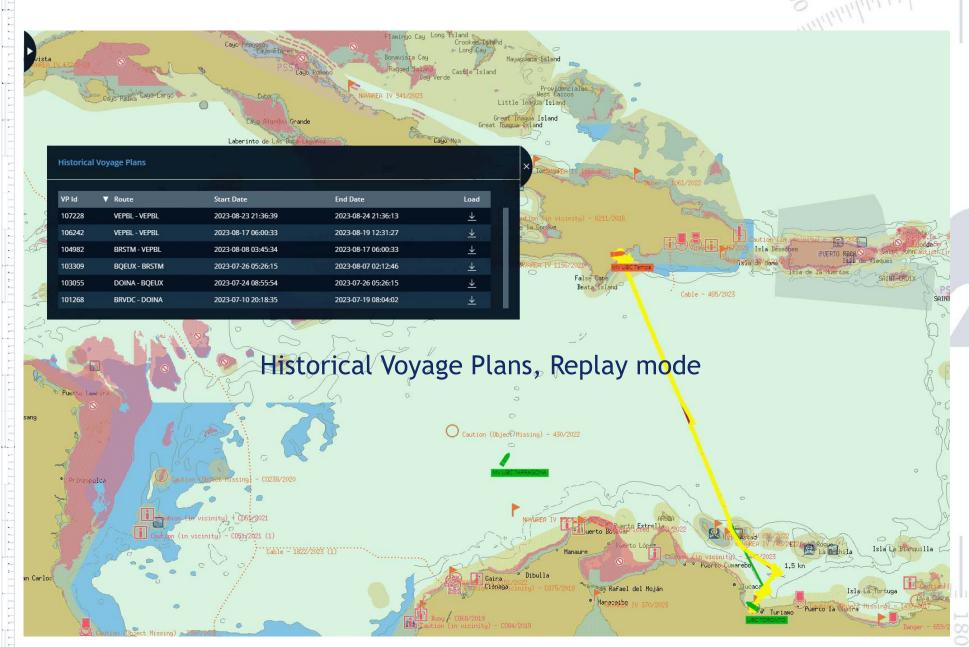
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NaviCloud





NaviCloud



08/09/2023

MEMBER OF THE HARTMANN GROUP



Case study

The Amazon River Estuary, challenging waters, inaccuracy of ENC's, risk of grounding

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*** PLS FIND BELOW DETAILS FOR THE PRESENT CONDITION OF BUOYAGE AND SAFE NAVIGATION ROUTE A/P INFO OBTAINED FROM
BRAZILIAN NAV REGARDING THE AMAZON BASIN.
FYG - BUOYS PSTN SUBJ TO CHANGES UNDER CIRCUNSTANCES BEYOND OUR CONTROL.
Please note below the Amazon River buoyage info, as per Brazilian Navy.
Light-Float(racon) lat 01-34.12n/long 049-01.37w, white light, missing.
Aguas Seguras buoys:
No. 1 - 01-25.40n/ 049-22.20w, white light
No. 2 - 01-17.55n/049-27.72w, white light
No. 3 - 01-09.64n/049-33.33w, white light
Curua Channel Buoys:
No. 1 - 01-05.30n/ 049-38.00w, red light
No. 2 - 01-03.70n/ 049-38.10w, green light
No. 3 - 01-01.90n/ 049-41.80w, red light
No. 4 - 00-59 82n / 049-42.28w, green light
No. 6 - 00-54 \ 40n/ \ 049-47.52w, green light
No. 8 - 00-52 \ 80n/ \ 049-50.46w, green light
Carolina buoy 00-26 67n/ 050-27.77w, red light
Cacao Grande 00-11.00n/ 050-42.00w, green light
Fugitivo buoy 00-07.08n/ 050-56.50w, green light
Chagas buoy 00-00 64s/ 051-01.72w, green light
Cascalheira buoy 00-02 80s/ 051-03.50w, green light
Banco Salvador 00-11.39s/ 051-15.31w, green light
Following signal lights:
Guara lat 01-11.26n long 049-53.96w - radar responder beacon(racon) inoperative.
Bailique 00-59.41n 049-56.79w
Ponta do Ceu 00-45.64n 050-07.01w
Canivete "radio light" 00-30.53n 050-24.84w - station dgps inoperative.
Santarem 00-38.81n 050-05.71w
Taia 00-39.23n 050-17.57w
Espirito Santo 00-15.66n 050-31.30w
Pau Cavado 00-11.51n 050-47.22w
Fugitivo 00-10.20n 050-55.12w
Cascalheira 00-01.35s 051-03.69w
santana leste 00-04.11s 051-07.84w
ilha do para light 00-52.80n 049-59.40w
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Case study...continued

IMPORTANT: IN ORDER TO AVOID HEAVY FINES TO VSL/MASTER, PLS NT TT IS IMPERATIVE TO PLOT THE PSTNS IN YR CHARTS, THIS WILL BE CHECKED BY H.MASTER ON YR ARVL FAZENDINHA PLT STN.

ABT 04 HS B4 YR ARVL CONTACT 'PILOT STATION' ON VHF CH 16 OR 11, IN ORDER TO FIX DROP PSTN.

KINDLY NOTE: (CANAL DO CURUA-CHART 201) - A/P LAST INFO, BANK EXTENDING TO THE MIDDLE OF THE CHANNEL AMONG BUOY NBR 8 LIMITTED BY FLWG PSTNS.

- 1) 00 57.50N / 49 42.47W 5,5 M
- 2) 00 56.98N / 49 42.85W 6,6 M
- 3) 00 57.17N / 49 42.56W 7,4 M
- 4) 00 57.28N / 49 42.38W 5,6 M

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Case study...continued







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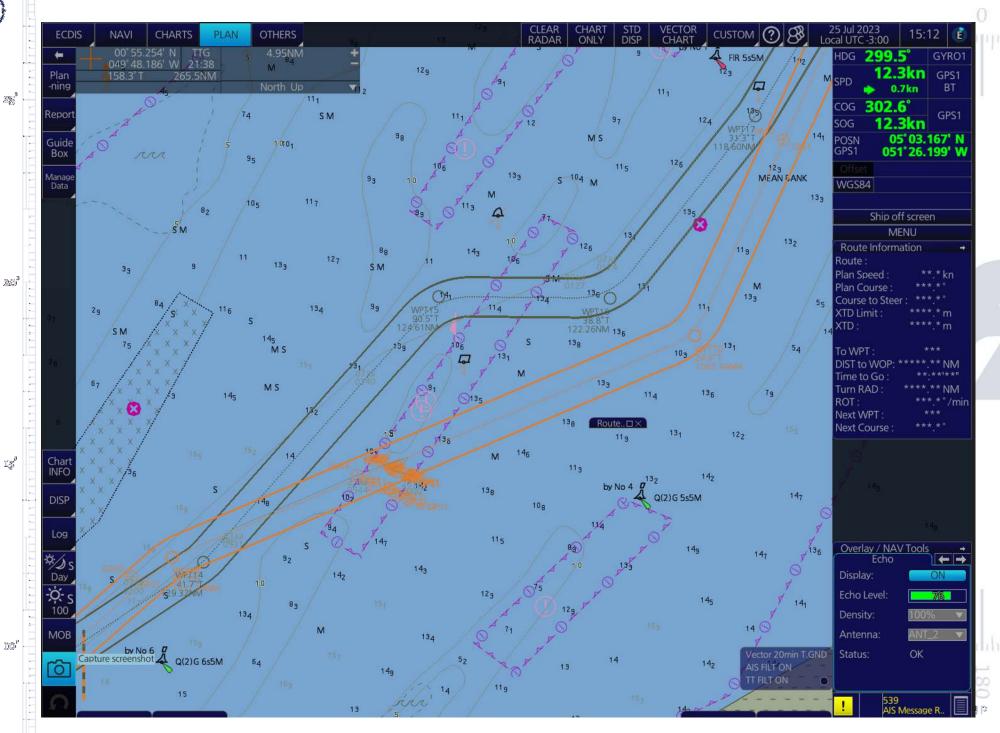
Case study...continued

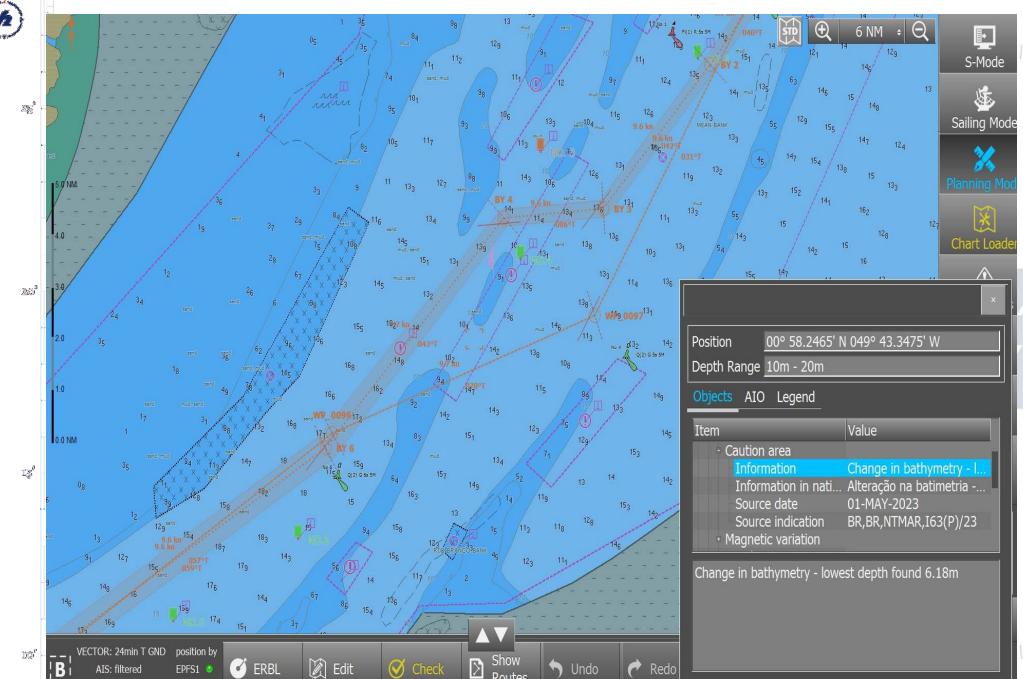


Case study...continued

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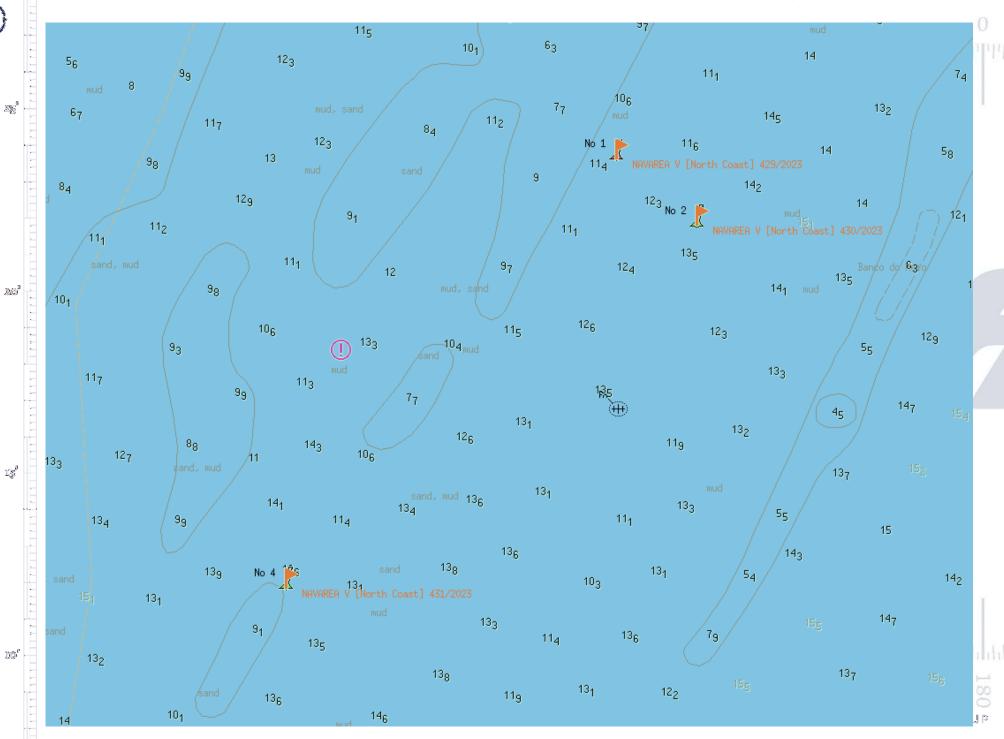




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THANK YOU FOR YOUR ATTENTION

CAPTAIN PIOTR RUSINEK
DPA, FLEET & MARINE SUPERINTENDENT