Ever Changing ULCS

Updating Training, Skills and procedures for the Worlds largest vessels

#### **Captain Nick Lee**

Chairman

United Kingdom Marine Pilots Association Technical & Training Committee







### **Port Preparations for ULCS**

#### **Captain Nick Lee**

Chairman

United Kingdom Marine Pilots Association
Technical & Training Committee









2016 - 2022



### Route Planning

- Identify conflicting Traffic Early
- Establish No Passing / Controlled passing areas
- Role of VTS?
- Tidal windows vs speed
- Respect your colleagues and other Port users





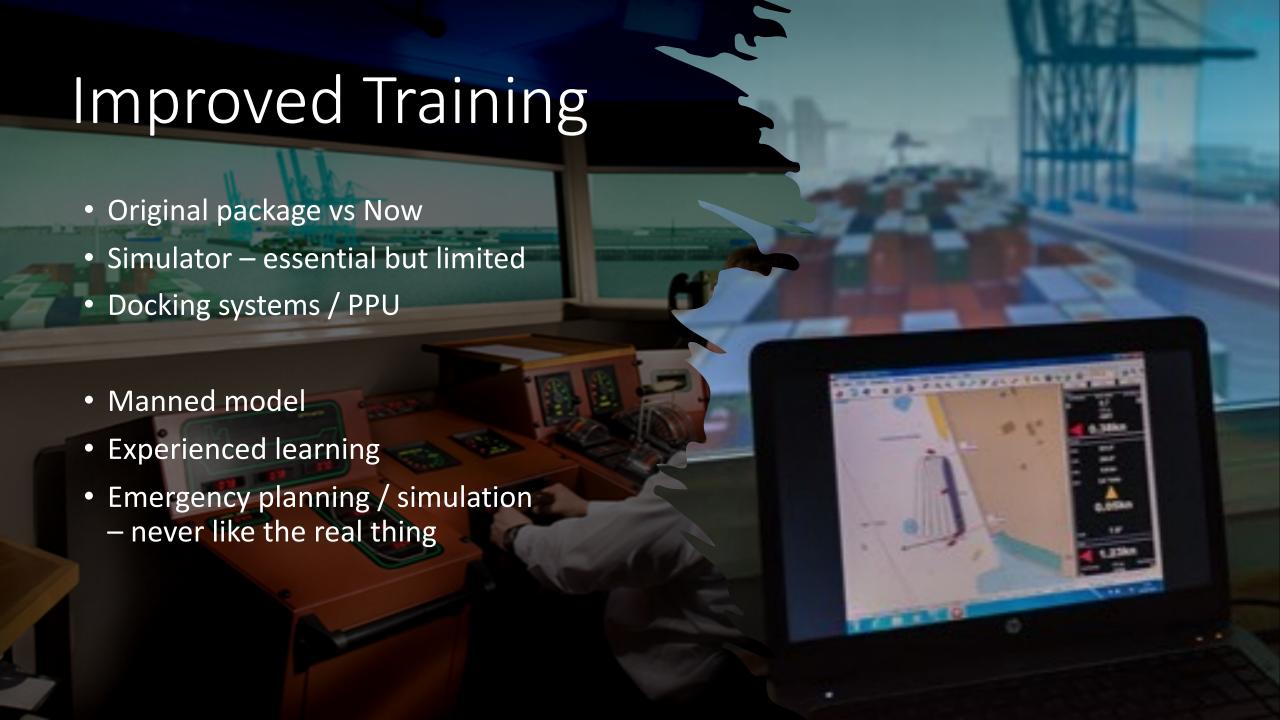
VEN SPILINGS WITH STREET AND AND THE	Co. Miles Company (Co.)						0.000-0.00	-					****
One Columba OUTBOUND f	from LGW 3 Via:			DARTAE	l l po	fasts notified					Y	N	N/A
Barrows DW Princes DW PORTOF LONDON						Defects notified  Manageryring characteristics discussed							
Section Control of the				manocoving diaracteristics discussed									
Black Deep Princes Fisherman's Gat AUTHORITY						uat characteristic							
						1 Not out a signica							
Deep Draft Plan Agreed with DPC Draft 15.6 m						ady Berth			ш	П	- 0		
CD HoT UKC HoT Req. Earliest / Latest Times						levant NtMs - Ma	ster advise	d		*******************************			
	6/2022 16:00 14.10	4.47 2.97	3.06		Ind	fividual roles & ac	tions under	stood		***************************************			
and the last of th	6/2022 16:27 12.70	4.72 1.82	4.46		Po	rt Side To	St	bd Side To			12	2.5	
	6/2022 16:55 12.90	4.83 2.13	4.26								• ^	Di	
	6/2022 17:08 14.20	4.83 3.43	2.96		He	ad Up		ead Down			Rt Ambition (	Fast)	
	6/2022 17:25 13.50	4.77 2.67	3.66	Swing to Port ☐ Swing to Stbd ■ No Swing ☐					1 P				
	6/2022 17:42 14.30	4.63 3.33	2.86	HW Coryton 06/06/2022 17:44 Flood						Ĭ	ı		
	6/2022 17:49 14.50	4.61 3.51	2.66						Pit Puter (Pushing)				
7.6 15.0 Kts Knock John 7 06/06/2022 18:20					Windage: 59t @ 15 Kts								
	6/2022 18:29 13.60	3.84 1.84	3.56 06/06/2022 19	9:00 L	Tug	g Allocation	Туре	Bollard Pull	Ship's Restriction			1	
3.9 15.0 Kts Black Deep 9 06/0	6/2022 18:45				1.	Rt Ambition	Rotor	92.1	riestriction		Þ		
	6/2022 19:00 15.30	3.04 2.74	1.86		2.	Rt Peter	Rotor	92				ı	
	6/2022 19:11				3.	Sd Dolphin	ASD	80.5		3	Sd Dolphin (f	Fast)	
	6/2022 19:26 16.40	2.34 3.14	0.76		4.	200.00000000000000000000000000000000000				,			
	6/2022 19:46 15.90	1.99 2.29	1.26 06/06/2022 2	1:10 L	5.								
	6/2022 20:08 16.40	1.66 2.46	0.76 06/06/2022 22	2:30 L	I	ssage Notes							
3.5 20.0 Min Sunk Pilots 06/0	6/2022 20:28 15.90	1.49 1.79	1.26 06/06/2022 20	0:50 L	217.00	errides req'd @	SR5 (rea	centre char	nnel), SR1 -	1			
000000000	W.Oaze, KJ7 - BD9												
		e way working r		er by, SR5,	SR3, SR1 -	5							
	W.Oaze, KJ7 - BD9 Significant Traffic - Essen Maersk @ Holehaven,												
	Seychelles Progress off berth @ 1600.												
MSC Domiti													
					Ш								
AGREEMENT													
										cerning the passag			
MIN UKC Used Flood 1.56n	agr	eed by the Mas	ter and Pil	ot and may	oe subject	to change during t	ie pass	aye.					
Weather Forecast: Wind D	The Master also agrees with and understands the position of a compulsory pilot under UK law.												
					Pi	lot's Name N L	_ee		Ма	ster's Name			
Abort Contingency:					2n	nd Pilot's							
								0		-			
					Pi	lot's Signature	N	The	Ma	ster's Signature			





## One way working required



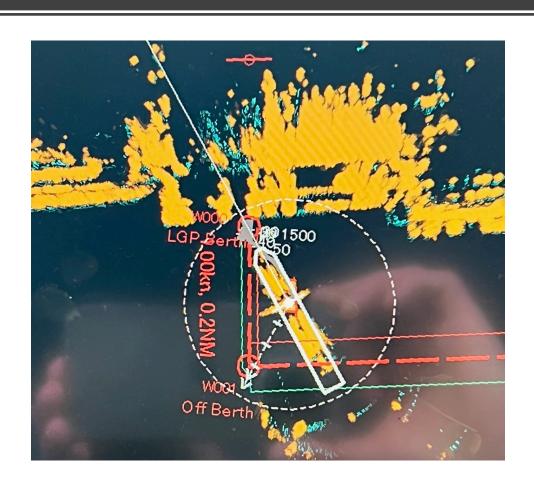


### Portable Pilot Units

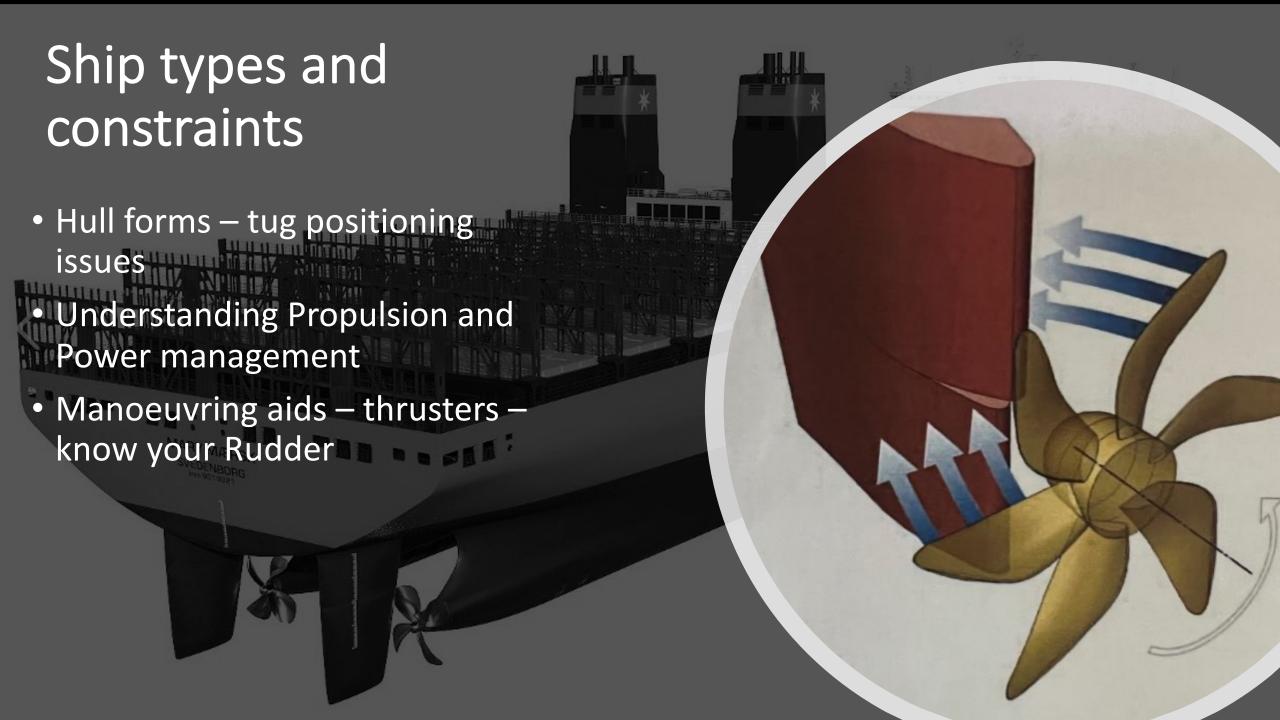
- Essential equipment ?
- Positioning / setup vital
- It can and will fail at the most inopportune moments
- Have a back up even if most basic
- Governance



# Backing it up







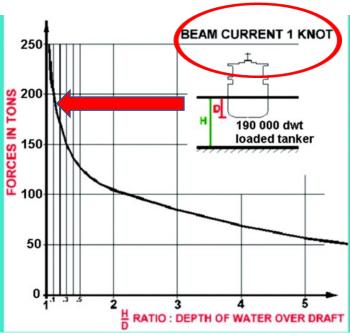
### Tugs

- Do We Have enough ?!!
- Tug Type ASD / RT /
- Bollard pull vs position
- Line angle?
- Tug interaction
- Making fast / letting go considerations = crew / time taken
- Sheep dogging
- Relationship with Tug Masters



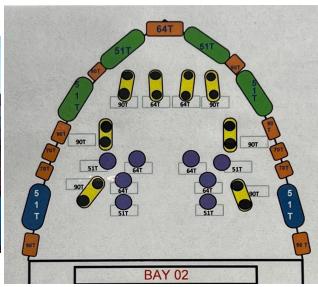


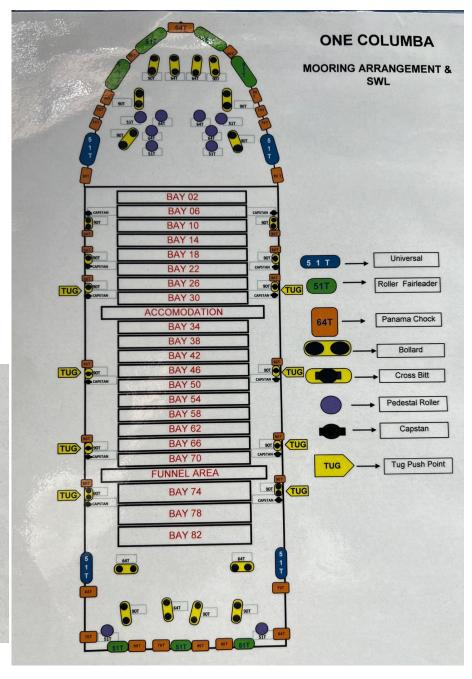












# Working with the Bridge Team

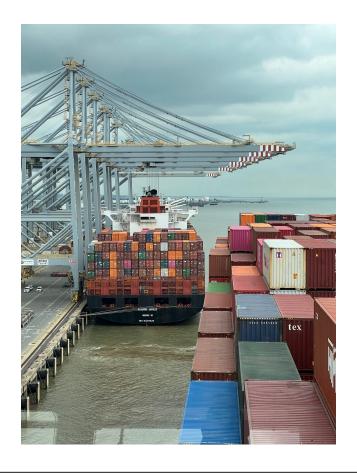
- Fully brief the bridge team MPX
- Keeping bridge team involved and informed
- Designating roles
- 2 pilot operation +ve vs –ve
- CMA CGM Centaurus
- BRM



### **CPD**

- This is CPD
- Should be Reflective
- Keeping up with technology
- And Vessel design
- Period
- Formal vs informal

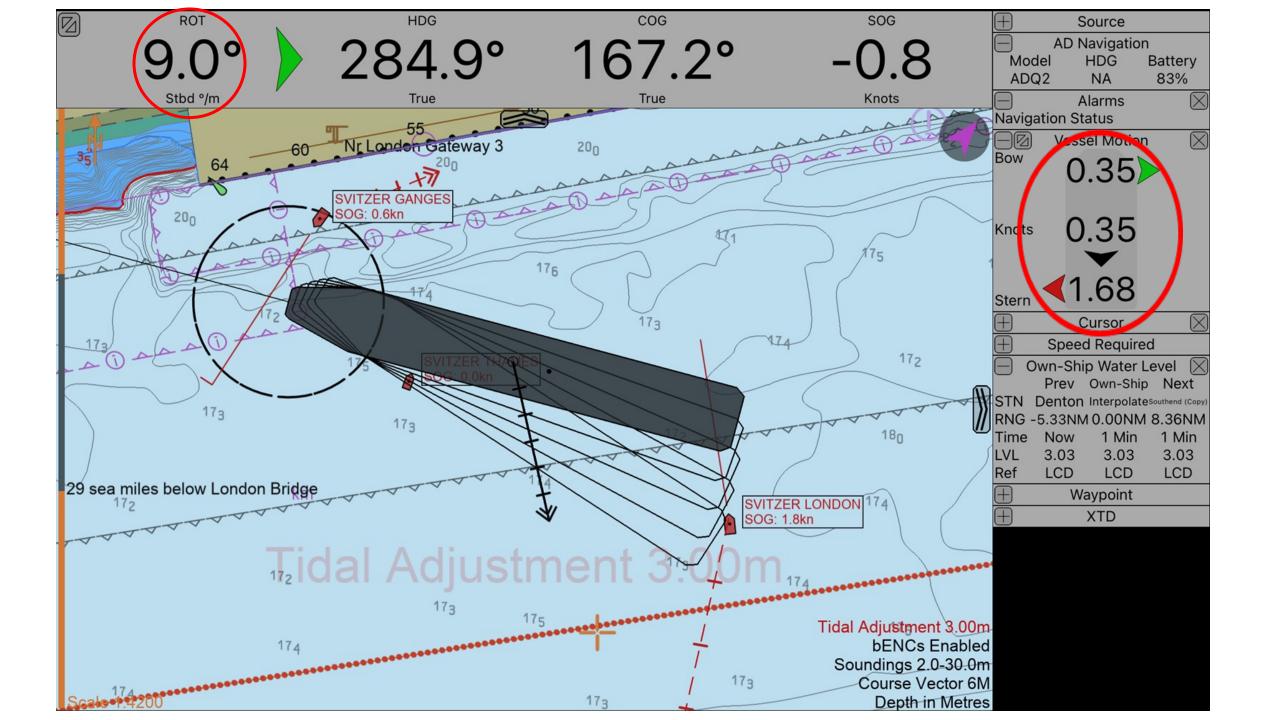


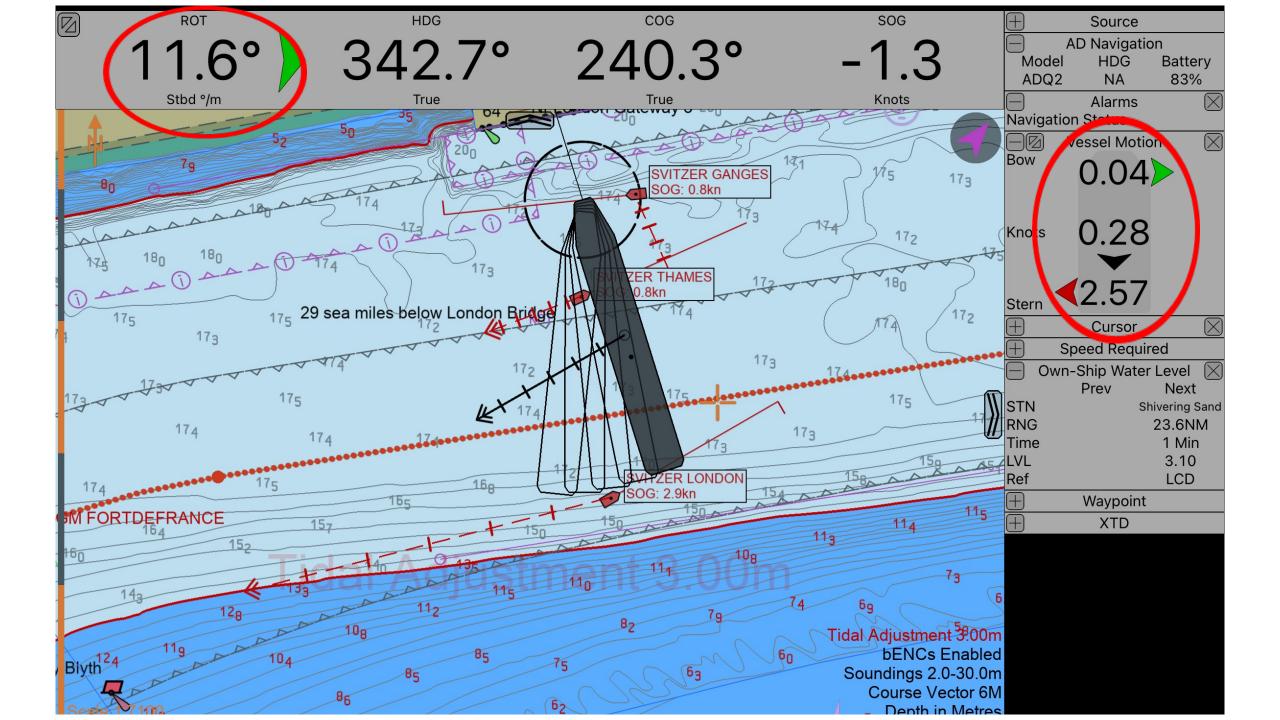


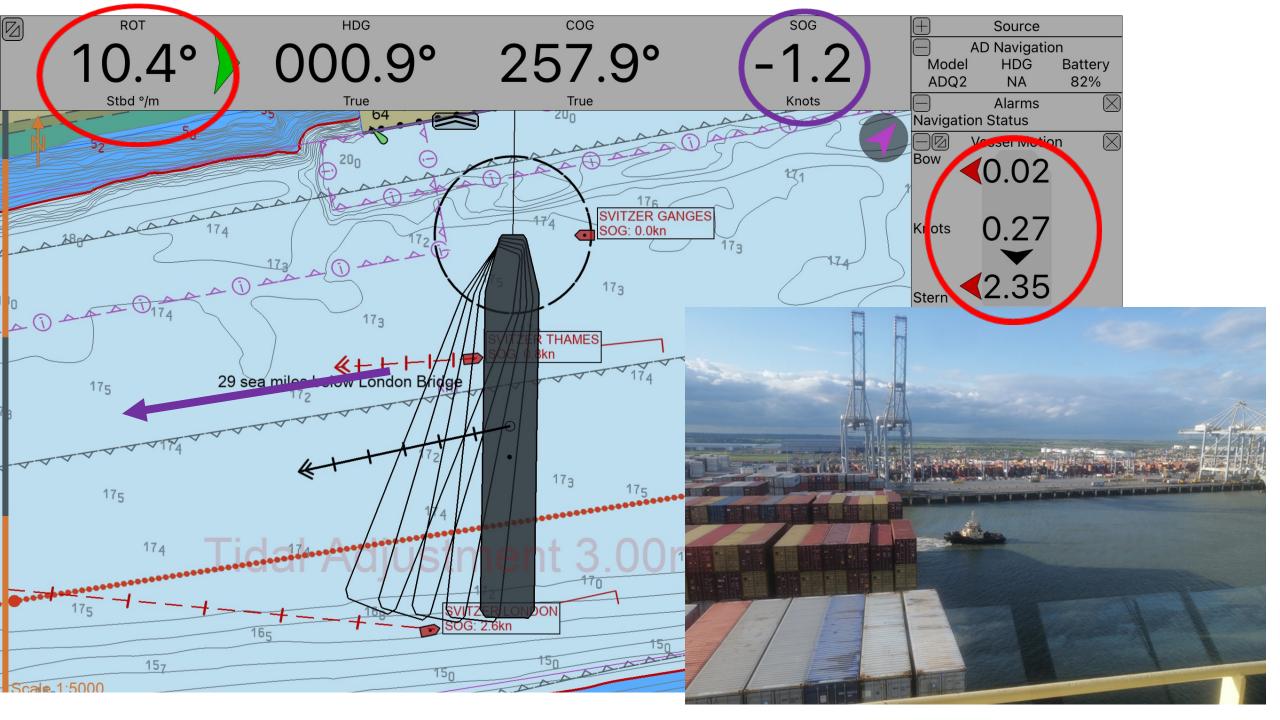


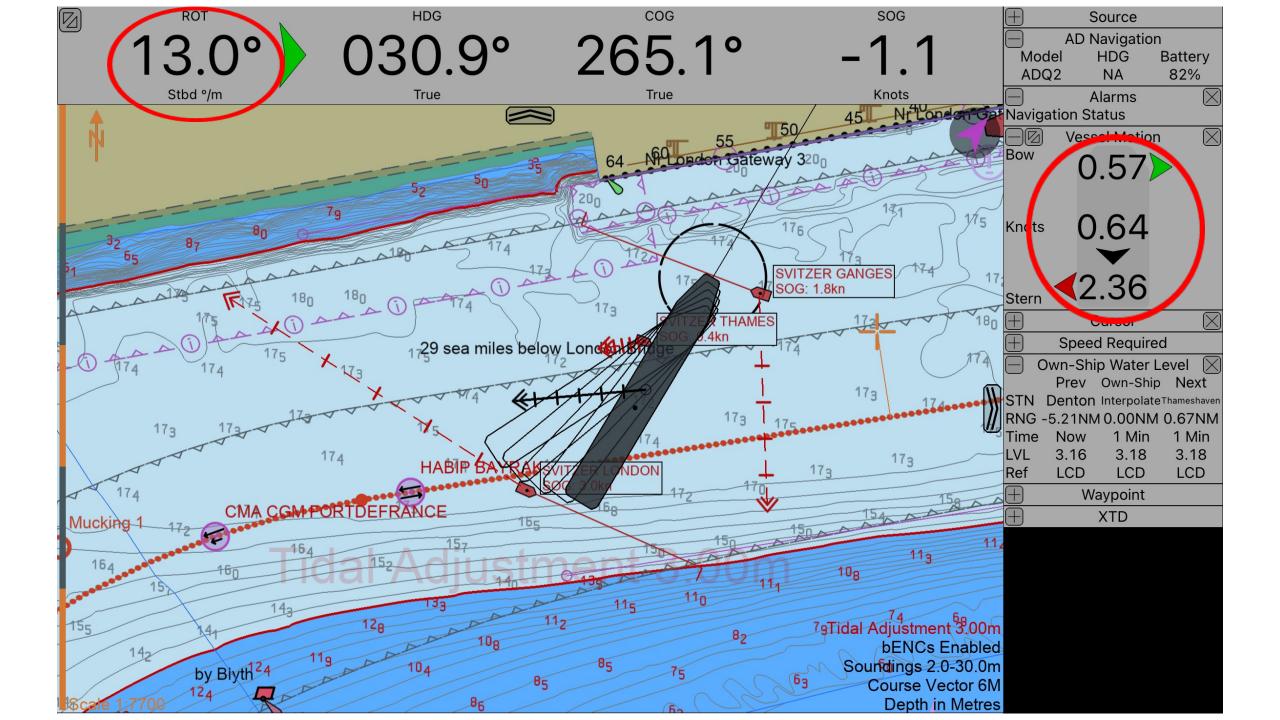
# Putting it together

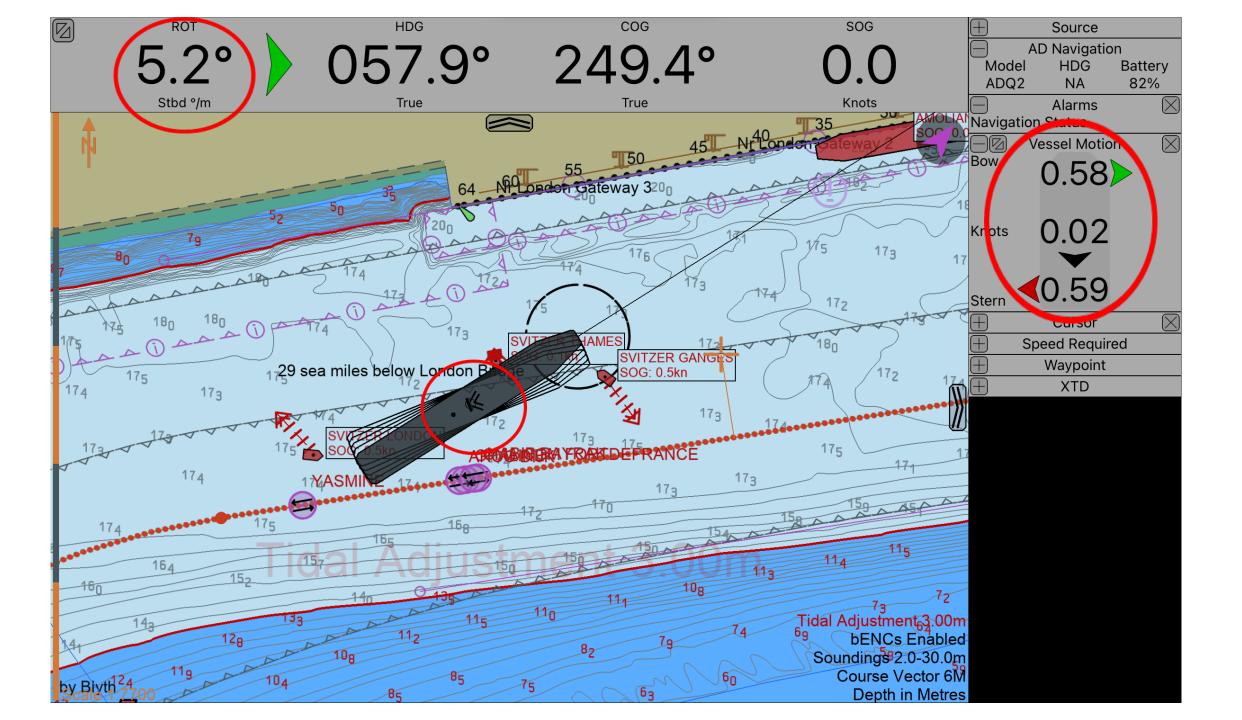


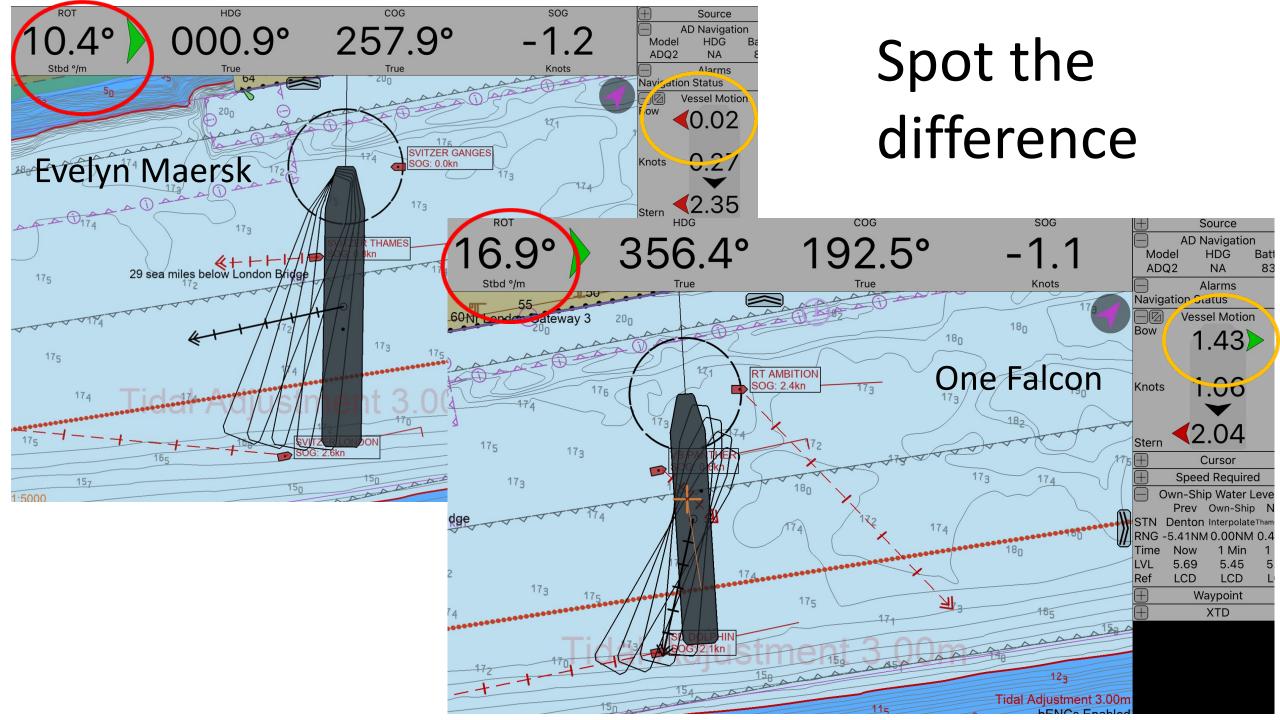


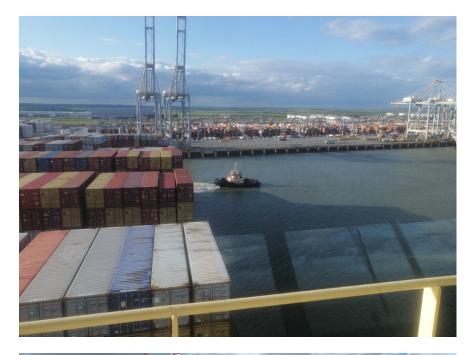
















How it really looks

### Future Challenges

- Introduction of Berths4, 5 and 6
- More ULCS passing
- Ship design and propulsion







