



Recycling of Wan Hai 165 in Bahrain



News Articles on our Pilot Project

- BBC (<https://www.bbc.com/news/business-66881323>)
- Lloyds list (<https://www.lloydslist.com/LL1146805/Green-recycling-start-up-confirms-expansion-plans>)
- Offshore energy (<https://www.offshore-energy.biz/elegant-exit-company-buys-wan-hai-veteran-for-green-recycling/>)
- Maritime Executive (<https://maritime-executive.com/article/veteran-wan-hai-vessel-is-first-in-a-new-sustainable-recycling-model>)
- SWZ Maritime (<https://swzmaritime.nl/news/2023/05/10/eec-kicks-off-sustainable-ship-recycling-of-wan-hai-165/>)

Veteran Wan Hai Vessel is First in a New Sustainable Recycling Model

"We de-Lego a ship," says a spokeswoman, explaining that the idea is to safely disassemble each vessel, part by part. The firm will evaluate waterjet, plasma and hydraulic mechanical cutters in the future.



Wan Hai 165 is alongside in Bahrain where the responsible recycling will take place (EEC)



Elegant Exit Company



ing up this 160m long container ship

Demolition Methodology

Layup berth

- Stripping of deck equipment and removable machineries in e/r
- Removal of accommodation block
- Canoe Cutting

Dry dock

- Canoe cut hull enters the dock
- Cut into various block sizes
- Blocks moved to secondary cutting area via SPMT

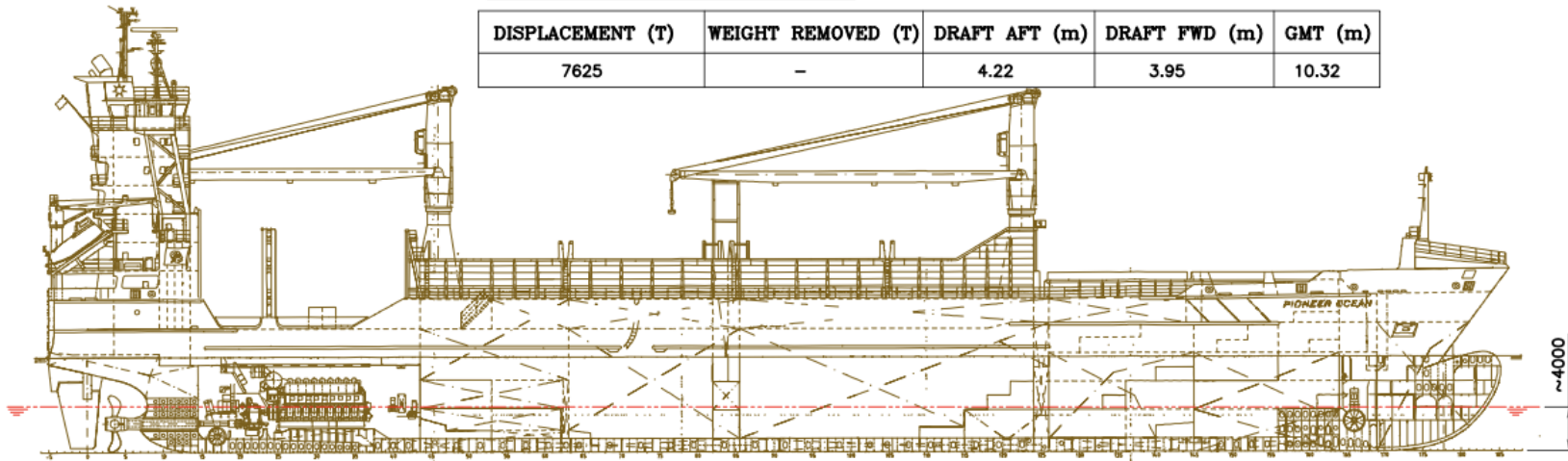
Secondary and tertiary cutting areas

- Blocks cut into smaller parts - secondary and tertiary cuts
- Segregates into melting scrap and plates
- Recycled parts prepared for transportation

STEP 1 : SHIP ARRIVAL CONDITION

STABILITY CONDITION

DISPLACEMENT (T)	WEIGHT REMOVED (T)	DRAFT AFT (m)	DRAFT FWD (m)	GMT (m)
7625	-	4.22	3.95	10.32



BERTH 16 | BERTH 15

Step 1 Vessel at Layup Berth



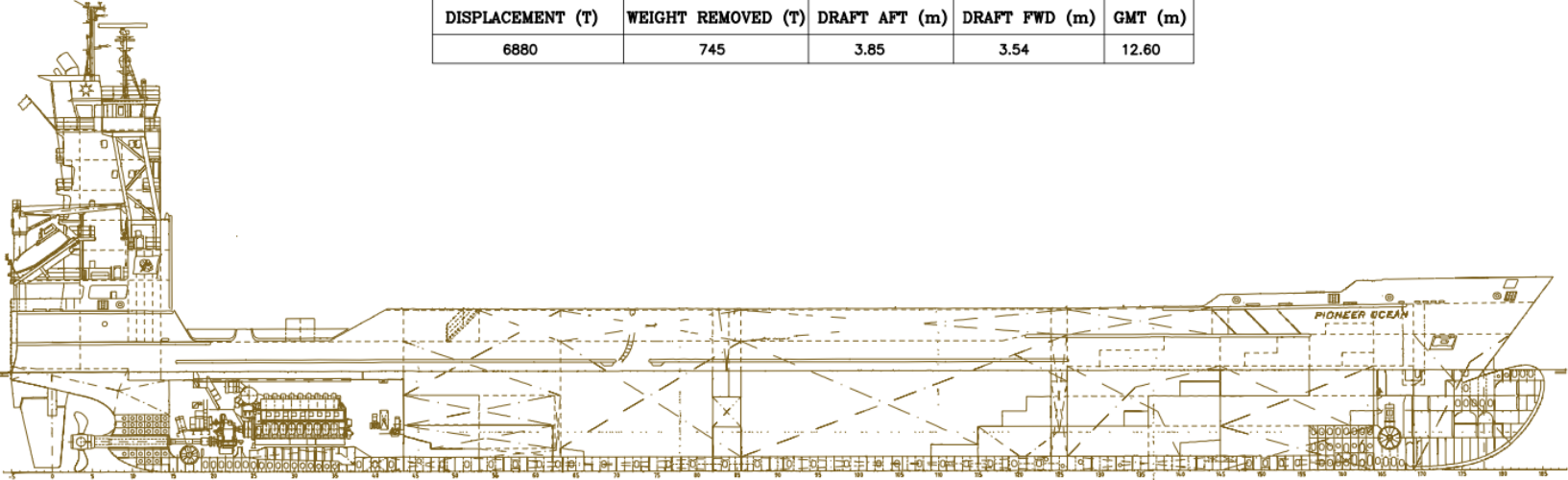
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STEP 2 : REMOVAL OF LIQUID AND DECK OUTFITTING

- (A) REMOVAL OF F.O./F.W./ETC WITH MIN. BALLAST ON BOARD.
- (B) REMOVAL OF ANCHOR/CHAIN.
- (C) CRANE, HATCH COVER, HATCH WAY COAMING & FWD MAST.

STABILITY CONDITION

DISPLACEMENT (T)	WEIGHT REMOVED (T)	DRAFT AFT (m)	DRAFT FWD (m)	GMT (m)
6880	745	3.85	3.54	12.60



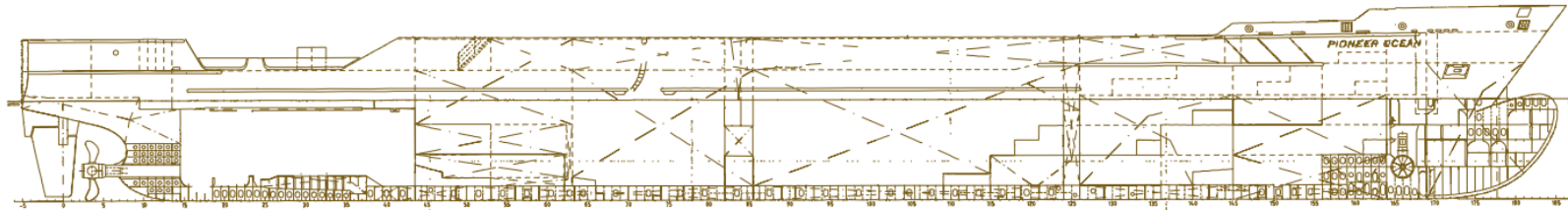
Step 2

STEP 3 : REMOVAL OF ACCOMMODATION BLOCK

- (A) REMOVAL OF ACCOMMODATION BLOCK
- (B) CREATING OPENING ON DECK FOR E/R MACHINERY REMOVAL
- (C) CREATING OPENING ON FORWARD DECK
- (D) REMOVAL CARGO HOLD FITTINGS

STABILITY CONDITION

DISPLACEMENT (T)	WEIGHT REMOVED (T)	DRAFT AFT (m)	DRAFT FWD (m)	GMT (m)
6270	610	3.68	3.14	14.63



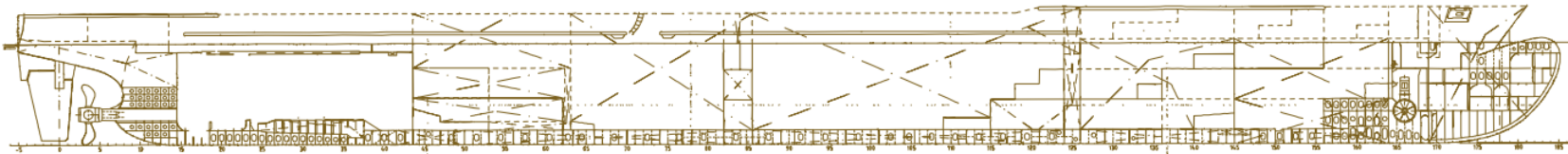
Step 3

STEP 4 : REMOVAL OF MACHINERY & OTHER EQUIPMENTS

- (A) REMOVE MACHINERY FROM ENGINE ROOM
- (B) REMOVE MACHINERY FROM B.T. ROOM
- (C) REMOVE ALL MACHINERY & OUTFIT ITEMS ON DECK
- (D) REMOVAL OF BULWARK & FORECASTLE DECK
- (E) REMOVAL OF BALLAST WATER

STABILITY CONDITION

DISPLACEMENT (T)	WEIGHT REMOVED (T)	DRAFT AFT (m)	DRAFT FWD (m)	GMT (m)
4780	1490	2.88	2.56	19.10

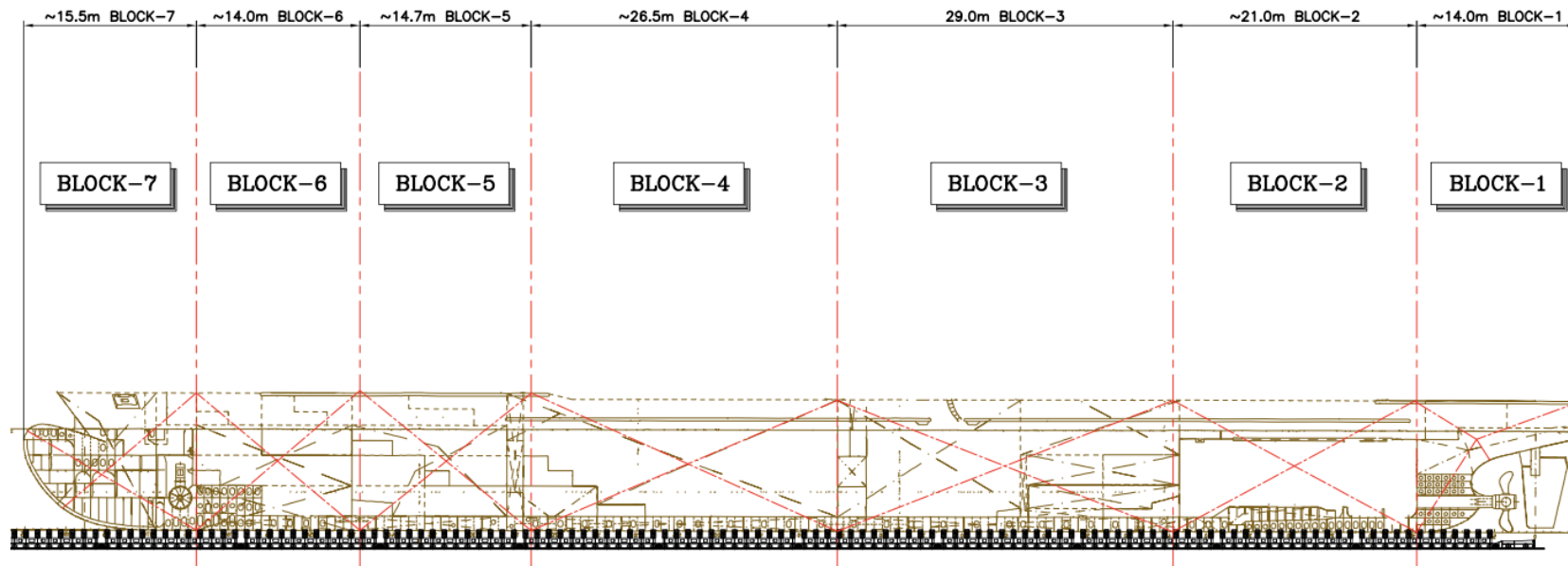


Step 4 Canoe Cutting

STEP 6 : BLOCK CUTTING PLAN ON FLOATING DOCK / SLIPWAY

DETAIL OF BLOCKS

BLOCK Nos.	LENGTH (m)	BREADTH (m)	HEIGHT (m)	WEIGHT (T)
BLOCK-1	14.0	22.50	14.0	~ 478
BLOCK-2	21.0	22.50	14.0	~ 717
BLOCK-3	29.0	22.50	14.0	~ 990
BLOCK-4	26.5	22.50	14.0	~ 905
BLOCK-5	14.7	22.50	14.0	~ 502
BLOCK-6	14.0	20.80	15.0	~ 478
BLOCK-7	15.5	14.30	16.70	~ 529

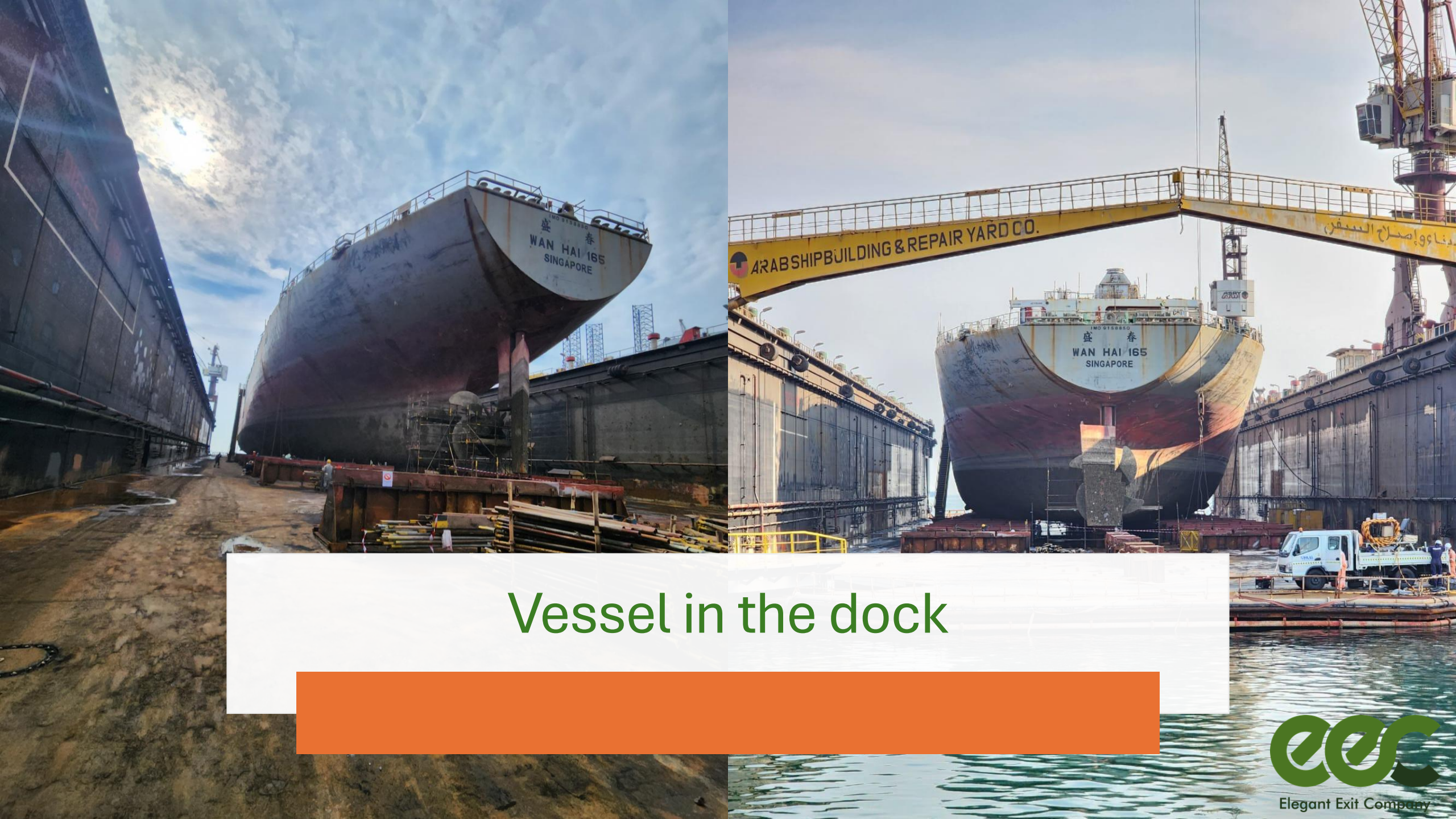


Step 5 At the Dock Block Cutting



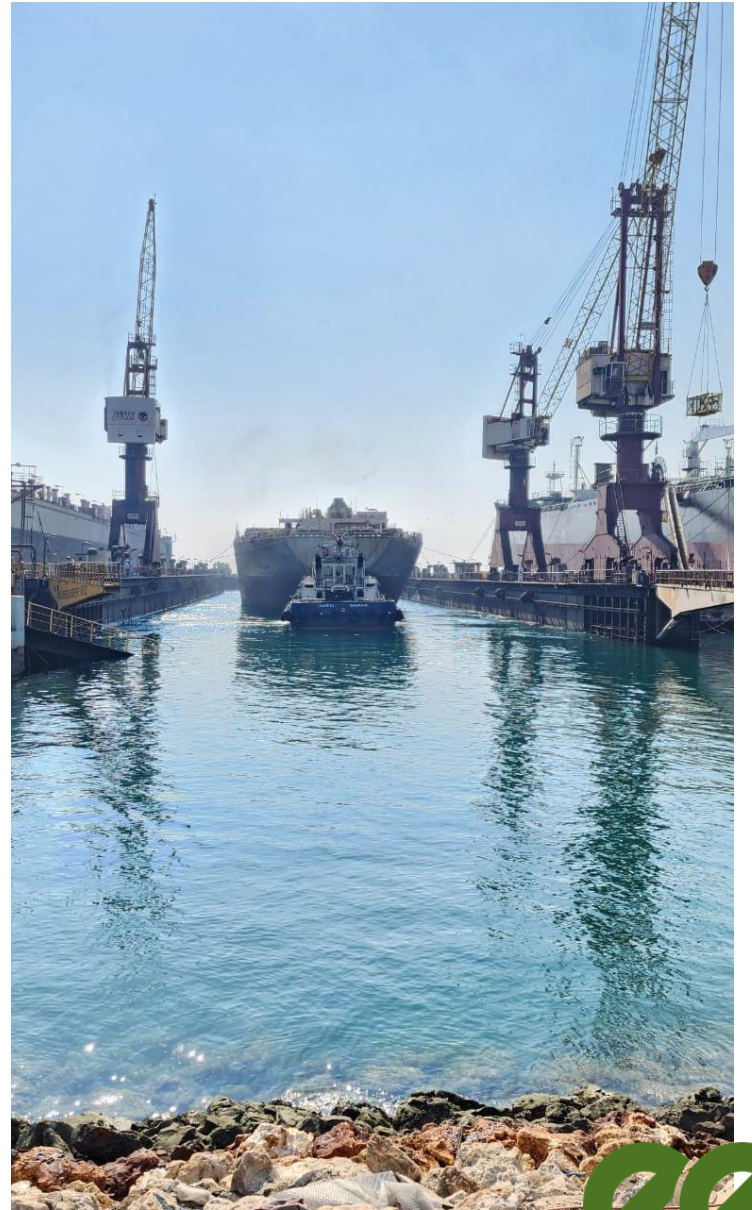
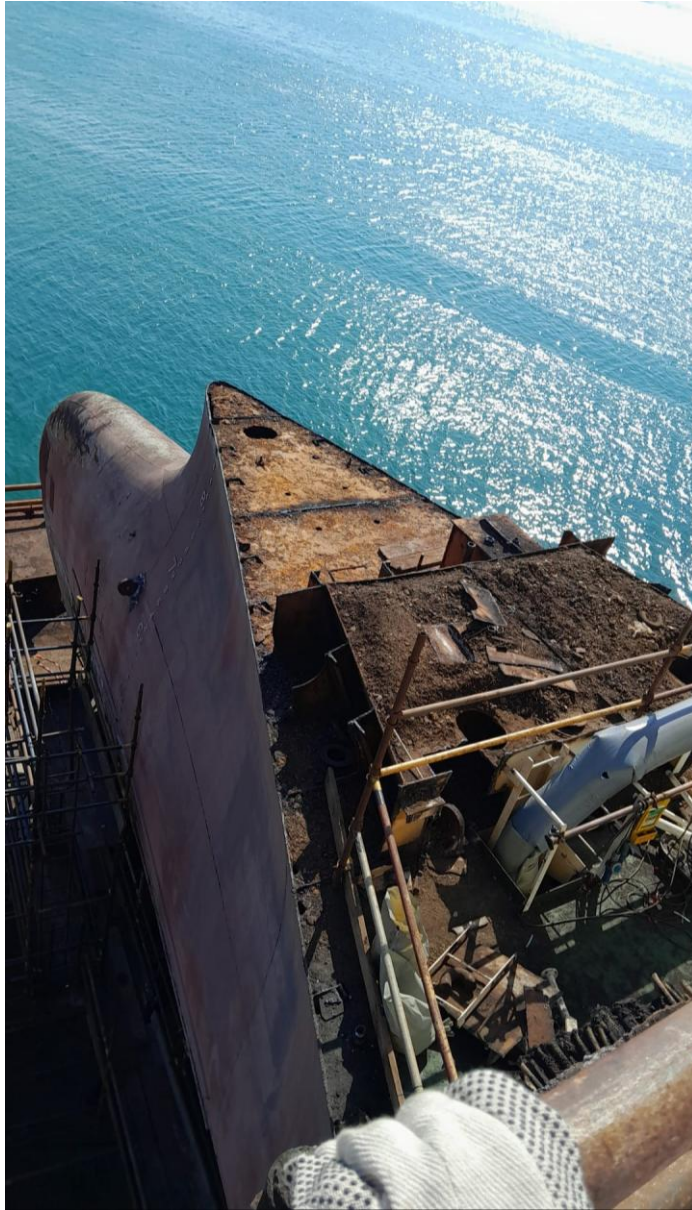
Along side/ afloat cutting





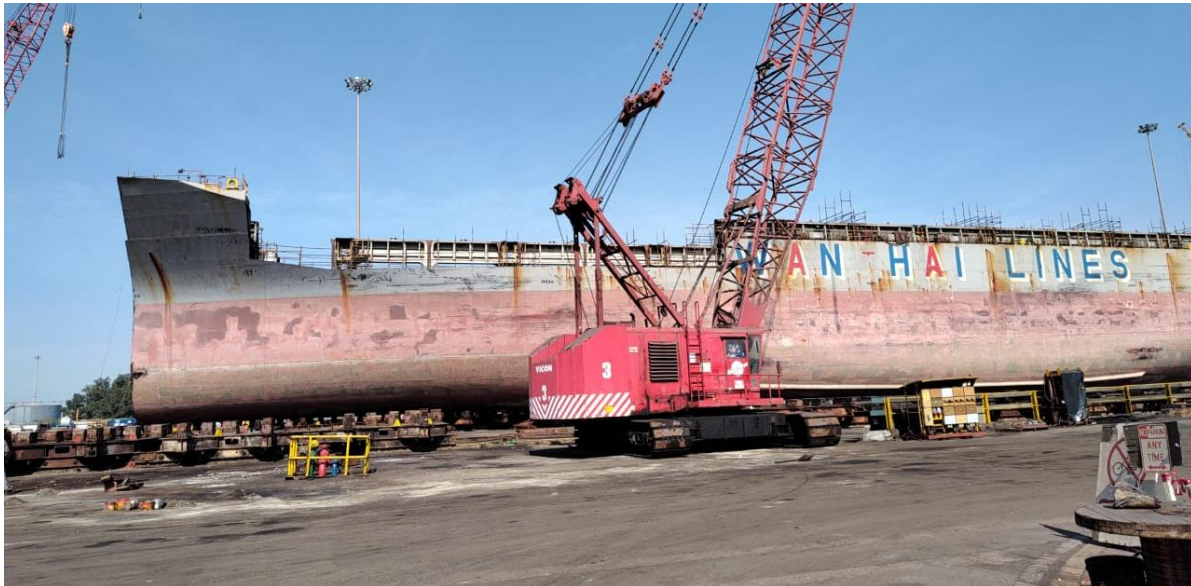
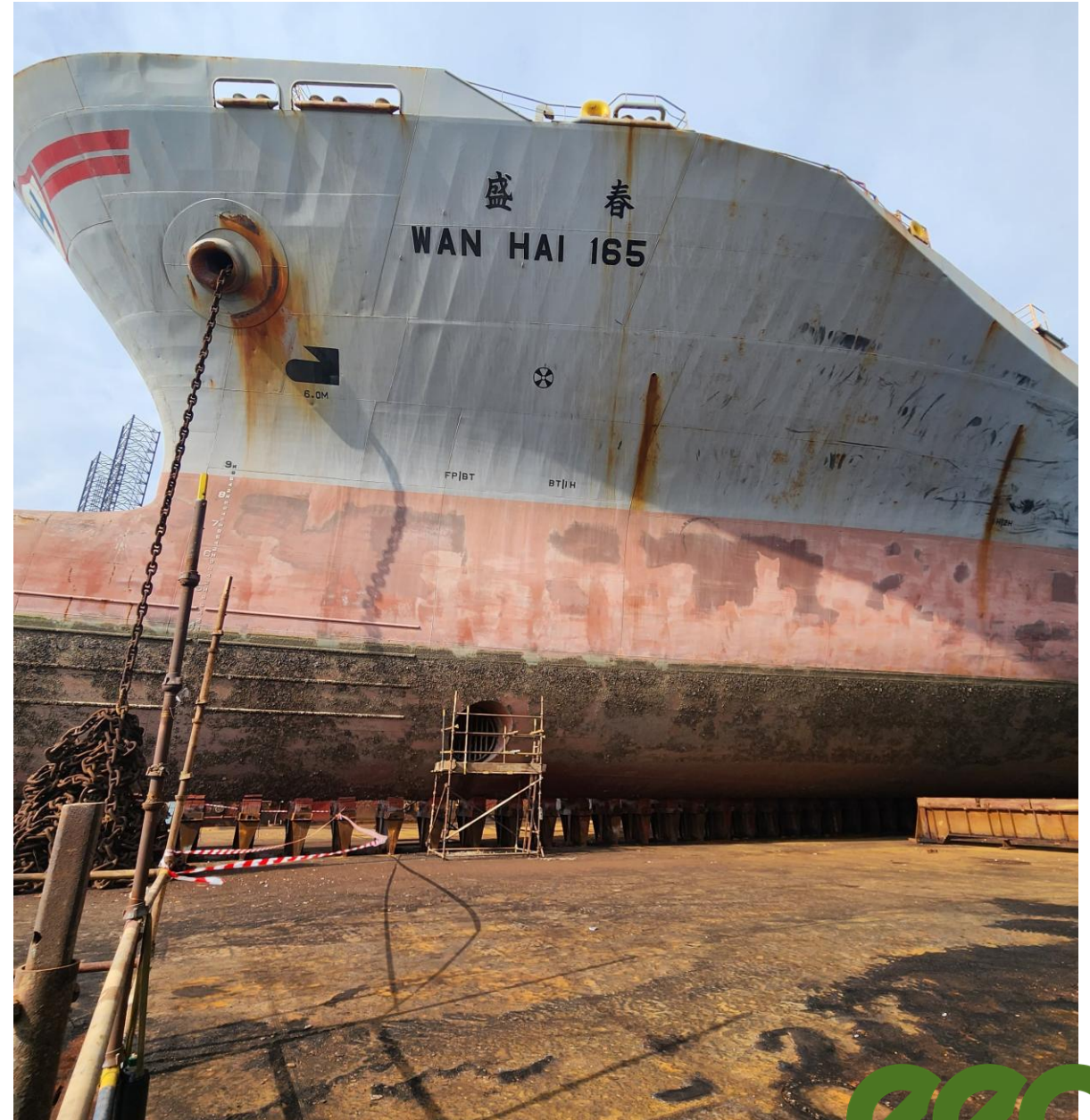
Vessel in the dock







At the slipway





HSE for workers