



Global Management Solutions

# SHIP SALVAGE OPERATIONS

**IN CONSORTIUM  
WITH TRUSTED  
PARTNERS**



# WHO WE ARE

- Total commitment in the challenging field of sustainable marine emergency response and wreck removal.
- Experienced and knowledgeable in dealing with several kinds of vessel. (i.e. Bulk carrier, Container vessel, Tanker, Anchors, Offshore structure, etc.)
- Dedicated and highly trained team of professionals ready to serve around the clock with specialized salvage equipment.
- Highly qualified in managing complex environments to mitigate risks and achieve optimal solutions through simplifying tasks
- Co ordinate with global partners to deploy large fleet of vessels to deal with challenges such as anchor handling, heavy lift vessels, diving vessels, barges, etc.
- Maintaining an extensive network with vessel owners and local partners to provide prompt response.



# MISSION AND VISION

- Mission is to revolutionize global maritime infrastructure through cutting-edge dredging technology, ship salvaging initiatives and innovative marine engineering.
- Maximize the safety, efficiency, and capacity of the world's major ports and waterways through precise channel dredging and environmentally friendly methods.
- Contribute to facilitating international trade, fostering coastal community prosperity, and preserving marine ecosystems.
- 2030 aim to lead the modernization of maritime infrastructure in South Asia, including Thailand & Bangladesh, contributing to regional economic development and environmental conservation.



# QUICK RESPONSE IN EMERGENCY



Salvage's professional and experienced salvage teams and specialized equipment are ready to provide instant response to every emergency, anywhere in the world, no matter how remote the location.



# QUICK RESPONSE IN EMERGENCY



Operating out of three strategically located response centers in Kolkata, Mumbai, Vizag India supported by our extensive global network, we guarantee 24/7 response worldwide. At these locations we have the following equipment dedicated for marine emergencies and instantly available to be mobilized anywhere in the world

# SAFE & SUSTAINABLE

- Removal of wrecks often originate from the need to ensure safe navigation, facilitate global trade and the environmental objective to keep our seas clean.
- Provide the full range of required services to deal with challenges pertaining to water depth, vessel type or condition, geographical location, political climate, regulatory environment, etc.
- Have the option of teaming up with trusted partners who possess unparalleled in-house knowledge and assets available to take up the most challenging projects.
- Offering wide range of solutions from feasibility studies and environmental impact surveys to execution and operational services at affordable cost
- Continually developing new techniques for wreck removal, pollutant and cargo recovery, and advanced deep-water operations, ensuring environmental threats are minimized wherever possible.



# WRECK REMOVAL

## Sustainability/Safety & Quality

- Preventing or minimizing environmental harm has always been part of the mission.
- A wide variety of specialized equipped, in-house marine biologists and ecological specialists is available to achieve the goal.
- Mission encompasses various goals such as cleaner seas and preventing reputational damage for the vessel owner.
- Managing increasingly complex stakeholder field and have extensive experience in cooperating with local authorities in accordance with their expectations.
- Using the best technology and following latest industry standards.
- Project preparations, control and delivery governed by Boskalis group Quality Management System.
- Preparation and execution in accordance with Quality Management System.
- Staff is qualified for operations where behavioral safety is integral part of the trainings provided.





# PROFESSIONALS

Skilled salvage professionals have expertise in a wide range of disciplines to serve the client at a timely manner :

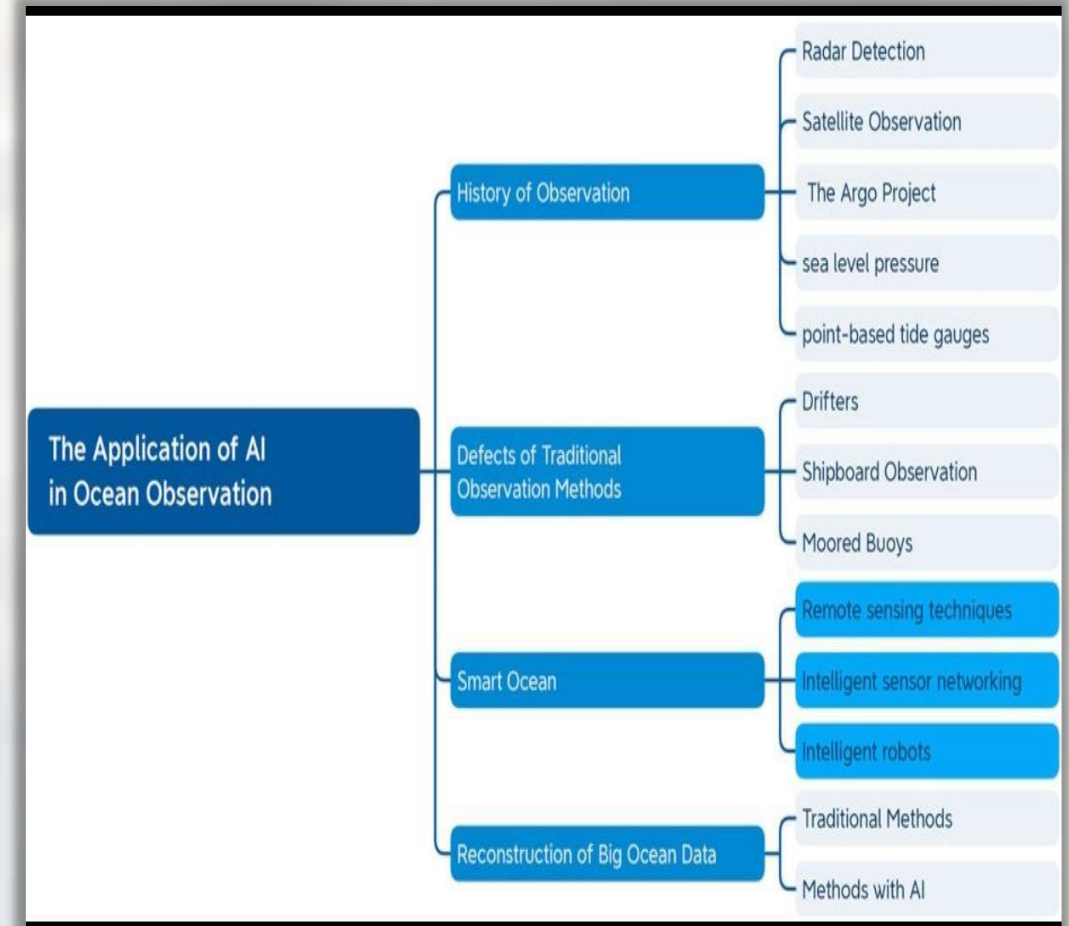
- Marine engineering
- Naval architecture
- Environmental specialists
- Marine biology and reef expertise
- Civil engineering
- Explosive ordnance disposal (EOD)
- Heavy lifting engineering
- Marine transport engineering
- Stakeholder management
- Geology





# AI AND TECHNOLOGY

- First to use AI in maritime salvage operation in the world.
- The maritime world keeps developing and new technologies are being implemented.
- Increasing size of vessels requires constant adaptation to retain market leadership.
- Offering latest knowledge and technology of salvage operations.
- The latest focal areas are as follows:
  - Hazardous cargo
  - Alternative fuel / electric propulsion
  - New firefighting techniques
  - Renewables
  - Lightering of large container vessels
  - LNG ship to ship transfer



# PROJECTS - TOWING

1. OIL RIG "GALLAXY DRILLER" TOWING FROM MYANMAR TO SINGAPORE BY AHTS "CS SAFE"(10,000HP) IN 2006 .

Photos - 1





2. DEADSHIP M/V "GLOBAL TIANJIN" (GT 13,640TONS) TOWING FROM SINGAPORE TO GUANGZHOU BY TUG "YM88" (4,600HP) IN 2007.
3. GRAB DREDGER "DAEYOUNG G-7" TOWING FROM KWANGYANG, KOREA TO DANNANG, VIETNAM BY TUG "YM88" (4,600HP) IN 2007.
4. DEADSHIP "HS PIONEER" (DWT 145,229 TONS) TOWING FROM SAIGON, VIETNAM TO SINGAPORE BY TUG "FAIRMOUNT EXPEDITION" (16,320 HP) IN 2007.
5. DEADSHIP "HS PIONEER" (DWT 145,229 TONS) TOWING FROM SOUTH CHINA SEA TO VUNGTAO, VIETNAM BY TUG "TALAGY" (16,800HP) IN 2008
6. RO-RO SHIP (DWT 68,000 TONS) M/V "DAEWOO FRONTIER" TOWING FROM ANTWERP, BELGIUM TO WEIHAI, CHINA VIA CAPE OF GOOD HOPE AND PUSAN, KOREA BY OCEAN TUG "SALVIGILANT" (12,000HP) IN 2008.



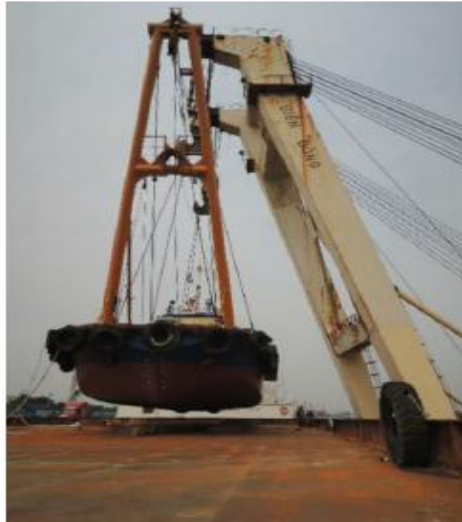


7. THREE(3) TIMES OF DRY TOWING OF DWT8,000 OF BARGE WITH LOADING CARGO OF 2,000 TONS OF EVAPORATOR PLANT FROM ULSAN, KOREA TO FUJAIRAH, UAE BY TUG "SEBANG T-7"(7,200HP)AND THE BALLARSTED BARGE RETURN TO PUSAN IN 2009.
8. THREE(3) TIMES OF DRY TOWING OF DWT8,000 OF BARGE WITH LOADING CARGO OF 2,000 TONS OF EVAPORATOR PLANT FROM ULSAN, KOREA TO FUJAIRAH, UAE BY TUG "YM 88"(4,600HP)AND THE BALLARSTED BARGE RETURN TO PUSAN IN 2009.
9. THREE(3) TIMES OF DRY TOWING OF SELF PROPELL BARGE "TSUKIBOSHI" (DWT 3,500 TONS) LOADING CARGO 2,000TONS OF EVAPORATOR PLANT FROM ULSAN TO FUJAIRAH IN 2009.
10. FISHING VESSEL "EKARMA 7"(G/T 3,735) FROM OKHOTSK SEA TO PUSAN BY TUG "GRIF"(2,000HP) IN 2009.
11. BULK CARRIER M/V "TAI PROFIT"(G/T 38,382 TONS) FROM PUSAN TO SONGXIA, CHINA BY TUG "ROYAL PEARL"(4,000HP) IN 2009.
12. DWT20,000 BARGE "DONGBANG 20003HO" TOWING FROM JINHAE, KOREA TO HOCHIMINH, VIETNAM AND RETURN TO JINHAE BY "KOSCO101"(6,000HP) IN 2011.





13. DWT 8,000 SELF-PROPELL BARGE "WULIUXIANFENG" LOADING CARGO 2SETSO 1,000 TONS EVAPORATOR PLANT DRY TOWING FROM ULSAN TO RUWAIS,ABU DABHI, UAE IN 2011.
14. SELF PROPELL BARGE "JINYANG CHENG YUN"(DWT 5,300)- LOADING SHIPBUILDING BLOCK (DECK HOUSE 2 SETS + ENGINE CASING 2SETS - TOTAL WEIGHT 1,500 TONS)- DRY TOWING FROM ULSAN TO PIPAVAV SHIPYARD, INDIA IN 2012.
15. DEAD SHIP BULK CARRIER M/V "SUN JUNE" (G/T 4,233) FROM WANDO TO PUSAN BY TUG "HYUNDAI HT-112"(3,000HP) IN 2012.
16. AHTS, DP-2 "PACIFIC CENTURION" (12,000HP) TOWING FROM ULSAN TO KOJE BY "SEBANG T-7"(7,200HP) IN 2012.
17. "KEUMSHIN2001HO" (3,000P), "DAEBO 3HO" (5,000P), "BL-1HO" (Anchor HandlingBoat) TOWING FROM PUSAN TO VUNGANG, VIETNAM BY OCEAN TUGS IN 2013.



# PROJECTS – DREDGING

No.	Project Name	Year	Dredging Quantity(M3)	Discharging Distance
1	Incheon North Port Complex 4 Reclamation Work	1999-2001	28,500,000	9.5 km
2	Gwangyang Port Route Dredging	2002-2003	3,500,000	10.0 km
3	Gunsan Inner Port Route Dredging 1st	2013-2014	4,100,000	10.5 km
4	Gwangyang Port Route Dredging 2nd	2014-2015	7,500,000	10.0 km
5	Gunsan Port Route Dredging (industrial complex site)	2017-2019	11,000,000	11.0 km



- Incheon North Port complex4 reclamation Work Photo



# PROJECTS – SHIP SALVAGE

## WRECK REMOVAL OF SUNKEN VESSEL “SHIN AN HO”

Description : Wreck removal of sunken vessel “SHIN AN HO” (5,000 GT of Factory Stern Trawler) was carried out at Jinhae, Korea in conjunction with SMIT, Singapore from December 2002 to April 2003.





## WRECK REMOVAL OF SUNKEN VESSEL “SHIN AN HO”



## DESCRIPTION :

### MV HEUNG-A PUSAN towing for sheltering from Gamcheon Port to Jinhea Bay

R2200059	
VESSEL TYPE	GENERAL CARGO
VESSEL NAME	HEUNG-A PUSAN
CLASS	KR
L/B/D(M)	94.35/15.60/8.20
GRT	
DWT	3,795TON
VESSEL CAPACITY-1	
VESSEL CAPACITY-2	
LOCATION	
TUG NAME	501고려호
HOLSE POWER	1,500HP
BOLLARD PULL	
TUG CAPACITY-1	
TUG CAPACITY-2	
VESSEL CONDITION-1	
VESSEL CONDITION-2	





## DESCRIPTION :

Participating into SEWOL-HO FERRY SALVAGE as the Coordinator of Shanghai Salvage  
(2015.05 ~ 2017.03.24)



- ▶ Length : 146m
- ▶ Breadth : 22m
- ▶ Gross ton : 6,825
- ▶ Capacity : 921



## Mt Fluda salvage operation





## Essar Tug 8 Salvage operation in progress



# EQUIPMENT (POSSESSION & OPERATION)

## EQUIPMENT IN POSSESSION PARTICULAR

### Trailing Suction Hopper Dredger (3,200HP)

SHIP'S NAME	WONJIN 2 HO	YOUNGJIN 19 HO
TYPE OF DREDGER	<b>TSHD</b> (Trailing Suction Hopper Dredger)	
NATIONALITY	KOREA	KOREA
PORT REGISTRY	BUSAN, KOREA	
CLASSIFICATION SOCIETY	KST	
DEADWEIGHT TONNAGE		5,530 TON
BUILT	1997, JAPAN	1997, JAPAN
GROSS TON	128 TON	2,088 TON
LOA	24.59M	77.63M
BREADTH	9.20M	15.70M
DEPTH	6.10M	8.40M
HOLD CAPACITY		3,017M <sup>3</sup>
NAVIGATION AREA	COASTAL	COASTAL
MAIN ENGINE	HANSHIN LH28LG 1600PS x 2 SETS 380RPM / 6 CYL.	
GENERATOR	YANMAR BHAL2-HTN 217PS, 1,200RPM	YANMAR 6N330L-EV 2354KW/720RPM/DIESEL MITSUBISHI 2690KVA.6600V
SAND PUMP		700KW / 3300V 3200PS, 24INCH.(CASING)
MAIN SPECIFICATION		SAND PIPE : 40.00M HOSE LENGTH : 80.00M SIZE : 24 INCH(600A)
OPERATIONAL CRANE		CRANE CAPA. 150TON S.W.L : 10TONS
AVERAGE SPEED	12 KNOTS	
LOADING/DISCHARGING RATE		2,500CBM/HR (SUB TO WEATHER PERMIT)





## SHIP PARTICULAR

NAME	TOW NO.1	REGIST. NO.	SEOUL 25-1152 (KR : 9646938)
MAKER	HANJIN HEAVY INDUSTRIES & CONSRUCTION CO.LTD	MANUFACTURE DATE	96. 11 (96. 11)
SIZE	100×20×5 (×3.6)	TONNAGE	2,525 G/T
DREDGING DEPTH	6.5 M - 30 M ( 45°)	H & DELIVERY LENGTH & Q'TY	210 M / 7,500 M 10,800 (3,571) M <sup>3</sup> /HR
TANK CAPACITY	F.O : 1,170,000 L, L.O : 12,480 L	PIPE DIAMETER	SUC/DISCH (950/900 mm)

	DESCRIPTION	MAKER	MODEL NO.	CYL.NO	H.P	R.P.M	REMARK
S P E C	NO.1 MAIN ENG.	WARTSILA	9R 32D	V 9	4,530 HP	720	3,380 KW
	NO.2 MAIN ENG	WARTSILA	12R 32D	V 12	6,120 HP	750	4,567 KW
	NO.3 MAIN ENG	WARTSILA	12R 32D	V 12	6,120 HP	750	4,567 KW
	MAIN GEN. ENG.	WARTSILA	8R 32D	V 8	4,410 HP	720	3,291 KW
	NO.1 AUX. G/E	CUMMINS	NT855GCM6	V 6	340 HP	1,800	
	NO.2 AUX. G/E	CUMMINS	NT855GCM6	V 6	340 HP	1,800	
	FIRE EXT. ENG.	JOONG ANG	JAM-20	V 2	18 HP	1,800	

NAME	OUTER DIA.	THICKNESS	MATERIAL	LENGTH	WEIGHT	Q'TY	REMARK
SPUD	1,000	60mm	River Ace70	45M	78TON×2	2	

W I N C H	DESCRIPTION		SPUD	LADDER	SWING(DECK)	X-MAS TREE	HOIST
	M O T O R	TYPE		(EMERGENCY) 440V/45KW	15TON×2SET		
		H.P		360KW	360KW×2		
		R.P.M					
	SPEED (M/MIN)			1.53-7.25 M/MIN	4.25-20 M/MIN		
	WIRE	SPEC	6×36 IWRC	6×36 IWRC	6×36 IWRC		6×36 IWRC
		DIA × L	68Φ×45M	44Φ×350M	64Φ×300M		56Φ×11.98M
	WINDING POWER		4,180KN(천단력)	100/50	102/60TON		

DECK CRANE	10 TON	16 TON	25 TON	16 TON (ROOF)
SPEC	660V/55KW 320BAR	660V/75KW 320BAR	660V/110KW 320BAR	440V/55KW (MOTOR)
WIRE	20Φ(18×7)×80M	20Φ(18×7)×130M	22Φ(18×7)×160M	14Φ(18×7)×115M



## SHIP PARTICULAR

NAME	MARVEL "H" (부속선)	REGIST. NO.	ICR - 902194
MAKER	대한건설공사	MANUFACTURE DATE	90. 04 (90. 04)
SIZE	24.50×8.10×2.85 (×2.15)	TONNAGE & SPEED	82 G/T & 11.0 KNOT
MATERIAL	STEEL	USE	ANCHOR BOAT
TANK CAPACITY	F.O : 18,000 L, L.O : 400 L	NAVIGATION AREA	COAST

	DESCRIPTION	MAKER	MODEL NO.	CYL.NO	H.P	R.P.M	REMARK
S P E C	MAIN ENG.	SSANGYONG -CUMMINS	KT - 19M	V 6	425 PS	1,800	
	MAIN ENG.	SSANGYONG -CUMMINS	KT - 19M	V 6	425 PS	1,800	
	HYD. ENG.	DAEWOO DIESEL	D-2156 MT	V 6	205 PS	1,800	
	MAIN GEN. ENG.	DAEWOO DIESEL	PNC D-0846 HM	V 6	112 PS	1,800	
	AUX. GEN. ENG.	DAEWOO DIESEL	PNT 6BB1	V 6	70 PS	1,800	

ANCHOR				CHAIN & WIRE			REMARK
TYPE	MODEL	WEIGHT	Q'TY	TYPE	SIZE	LENGTH	
WORK ANCHOR	STOCKLESS	0.375	2	G-2 STUD	19ø	27.5×9연	5연, 4연
PIPE ANCHOR			-				
MOORING ANCHOR			-				
EMERGENCY ANCHOR	STOCKLESS	0.128	1				

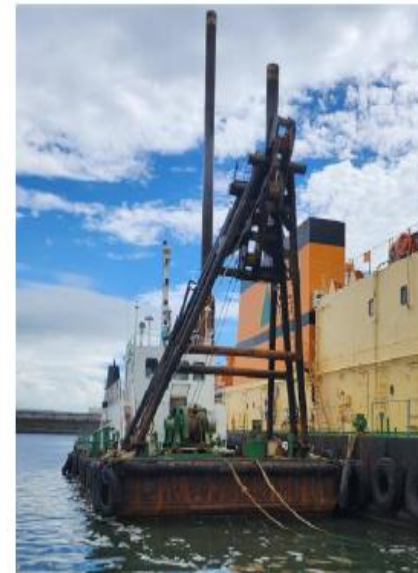
W I N C H ( ANCHOR )							
HYD. MOTOR			POWER	SPEED	WIRE		SETTING DATE
TYPE	H.P	RPM			DIAMETER	LENGTH	
	20 HP	1,172	35TON	9 M/min	32ø	100×3 M	남성 ENG. 90. 04

특 수	선체에서 불선단까지의 거리	2.0M/55°	HEIGHT OF DECK TO BOOMHEAD	11.0M/55°
계 원	HEIGHT OF WATER TO BOOMHEAD	12.5M/55°	BOOM LENGTH	





1. NAME OF VESSEL	:	ASAN 3HO (BD-0003)
2. TYPE & NUMBER OF ENGINES	:	HYUNDAI MAN B&W HOLEBY 18V28/32H X 3SETS
3. WHERE BUILT	:	ULSAN, KOREA
4. DATE OF LAUNCH	:	1995. 10
5. NAME OF BUILDERS	:	HYUNDAI HEAVY INDUSTRIES
6. GROSS TONNAGE	:	3,296 TON
7. NET TONNAGE	:	2,500 TON
8. DIMENSION	:	81.31M X 19M X 5.5M
9. DRAFT	:	3.10M
10. B.H.P & R.P.M. OF MAIN ENGINE	:	5,400HP (3,700KW) X 3SETS, 750HP
11. DREDGING PUMP		
1) TYPE	:	O & K
2) I.D OF SUCTION PIPE	:	D = 950MM
3) I.D OF DISCHARGE PIPE	:	D = 900MM
4) DREDGING CAPACITY	:	4,500M <sup>3</sup> /H
5) DIAMETER OF IMPELLER	:	2,310 X 3SETS
12. DREDGING DEPTH	:	30M
13. SWING WIDTH	:	120M
14. LADDER & SPUD		
1) LENGTH OF LADDER	:	38.26M
2) LENGTH OF SPUD	:	45M
3) DIAMETER OF SPUD	:	D = 1,300MM



## SHIP'S PARTICULAR

SHIP'S NAME	SALK NO.11
TYPE OF SHIP	SELF-PUMPING & UNLOADING SAND SHIP
NATIONALITY	CHINA
PORT REGISTRY	LIANYUNGANG, CHINA
SHIP NUMBER	SS-0665
CLASSIFICATION SOCIETY	ZC
DEADWEIGHT TONNAGE	7,965 TON
BUILT	2022-01-05
DRAFT	5.30M
GROSS TON	6,634 TON
NET TON	3,715 TON
LOA	146.00M
LBP	114.00M
BREADTH	21.00M
DEPTH	8.00M
DISPLACEMENT	11,907.30 TON
NAVIGATION AREA	A1 + A2
MAIN ENGINE	NINGDONG DIESEL ENGINE G6300ZC16B 2 x 1471KW@600RPM
GENERATOR	2 x SB-HW4-400 / 400KW@1500RPM 1 x SB-HW4.D-200 / 200KW@1500RPM 2 x SB-HW4.D-90 / 90KW@1500RPM 1 x SB-HW4-120 / 120KW@1500RPM
FUEL CONSUMPTION	6.70TON/DAY
AVERAGE SPEED	10 KNOTS
CREW	14P
NEXT DD	2027-01-05





## SHIP'S PARTICULAR

SHIP'S NAME	SALK NO.13
TYPE OF SHIP	SAND CARRIER
NATIONALITY	KOREA
PORT REGISTRY	INCHEON, KOREA
SHIP NUMBER/IMO NUMBER	
CLASSIFICATION SOCIETY	KOMSA
DEADWEIGHT TONNAGE	4,580 TON
BUILT	1998, JAPAN
DRAFT	6.10M
GROSS TON	2,338 TON
NET TON	1,921 TON
LOA	88.02M
LBP	82.00M
BREADTH	15.20M
DEPTH	7.80M
CARGO HOLD	32.90 X 11.28 X 7.57 M, TOTAL 2,800 CBM
GEAR(DISCHARGING)	SKK-500GDA X 1 SET, BUCKET 5 CBM
SAND PUMP(LOADING)	KURIMOTO KSP-800ESP, 22 INCH 600 KW X 1 SET, 4,500 CBM/H
NAVIGATION AREA	COASTAL
MAIN ENGINE	NIIGATA 6M34BLGT 2,000 PS X 260 RPM X 1 SET
GENERATOR	YANMAR S165L-ST 540 PS X 1,200 RPM X 2 SETS
FUEL CONSUMPTION	
AVERAGE SPEED	10 KNOTS
CREW COMPLEMENT	10P
NEXT DD	2028-04-09



## SHIP'S PARTICULAR

SHIP'S NAME	SALK NO.15
TYPE OF SHIP	SELF-PUMPING & UNLOADING SAND SHIP
NATIONALITY	CHINA
PORT REGISTRY	LIANYUNGANG, CHINA
SHIP NUMBER	SS-0480
CLASSIFICATION SOCIETY	ZC
DEADWEIGHT TONNAGE	7,151 TON
BUILT	2015-10-10
DRAFT	5.64M
GROSS TON	5,131 TON
NET TON	2,873 TON
LOA	112.80M
LBP	105.60M
BREADTH	18.60M
DEPTH	7.50M
DISPLACEMENT	10,113.10 TON
NAVIGATION AREA	A1 + A2
MAIN ENGINE	ZIBO DIESEL ENGINE LB6250ZLC-1 2 x 692KW@600RPM
GENERATOR	2 x SB-HW4-400 / 400KW@1500RPM 1 x SB-HW4.D-200 / 200KW@1500RPM 2 x SB-HW4.D-90 / 90KW@1500RPM 1 x SB-HW4-120 / 120KW@1500RPM
FUEL CONSUMPTION	3.10TON/DAY
AVERAGE SPEED	10 KNOTS
CREW	13P
NEXT DD	2025-10-10





## SHIP'S PARTICULAR

SHIP'S NAME	YEON SUNG NO.8
TYPE OF SHIP	SAND CARRIER
NATIONALITY	KOREA
PORT REGISTRY	INCHEON, KOREA
SHIP NUMBER/IMO NUMBER	ICR-165908
CLASSIFICATION SOCIETY	KOMSA
DEADWEIGHT TONNAGE	3,780 TON
BUILT	2015-10-10
DRAFT	
GROSS TON	3,405 TON
LOA	99.04M
BREADTH	17.00M
DEPTH	7.70M
NAVIGATION AREA	COASTAL
MAIN ENGINE	KAWASAKI MAN B&W 3350HP
GENERATOR	YANMAR 480HP x 2 SETS SAND PUMPING GENERATOR 3340HP
MAIN SPECIFICATION	SAND PIPE : 24 INCH HOSE LENGTH 120M DEPTH 100M
AVERAGE SPEED	12 KNOTS
CREW	
SAND OPERATION(UNLOADING)	BY FOLKLANE & CRANE



## SHIP'S PARTICULAR

SHIP'S NAME	TANAPA
TYPE OF SHIP	TRAILING SUCTION HOPPER DREDGER
NATIONALITY	THAILAND
PORT REGISTRY	BANGKOK, THAILAND
SHIP NUMBER/IMO NUMBER	9989144
CLASSIFICATION SOCIETY	VR-SB
DEADWEIGHT TONNAGE	3,200 TON
BUILT	2016, VIETNAM
DRAFT	4.50M
GROSS TON	1,665 TON
LOA	79.00M
LBP	75.35M
BREADTH	14.00M
DEPTH	5.50M
NAVIGATION AREA	COASTAL
MAIN ENGINE	CATERPILLAR 3508 SID / 2 x 980HP GEARBOX HC400
GENERATOR	CUMMIN NTA885-G6419HP/CATERPILLAR 160HP/S1100/S1100 280KW/120KW/10KW/10KW
FUEL CONSUMPTION	2.20TON/DAY
AVERAGE SPEED	7~9 KNOTS
CREW	





Sr. No	Equipment's	Qty	Remarks
01	Air Diving complete set with underwater CCTV and communications system	3 nos	
02	Underwater cutting/ welding equipment's	2 nos	
03	Lunching/ buoyancy balloons	6 nos	Each capacity of 80 Tons
04	Dewatering pumps (Honda & Submersible)	15 nos	
05	DG set (10 KV, 15 KV & 25 KV)	03 Nos	
06	Fabrications team with equipment's	10 Nos	
07	Weldon pumps	4 nos	

Sr. No	Equipment's	Qty	Remarks
08	Oil spill response team with Tear - 1 equipment's	2 nos	
09	Oil fence boom	600 mtrs	
10	Towing wire rope (42 MM)	120 mtrs	
11	Towing PP rope 96 MM	220 mtrs	
12	D shackle	30 Nos	
13	Misc salvage equipment's		



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