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INTRODUCTION





ABOUT US

Evosun Sdn Bhd (Co no.:1000513-H) act as privately owned company in the sector of Heavy Lifting, Mega Structure Mover, Ship Launching, & Ship new built & repair where technical consultation provided with full skilled labour, quality equipment & precision engineering to deliver top grade quality work to our customers.

Evosun group of companies with Malaysia origin, is a leader in the mega mover sector possessing more on national patent technology to gather research and invention, production, sell, consultation and project based service of professional production Marine Rubber airbag.

With the committed alliances from the CCCC Shanghai Dredging Co., Ltd with major dredging and reclamation project management domestic and international, we make consistently and reliable way to deliver swift response on what the “Best for the project”.

Evosun has been contributing over decade years of experiences to gain reputation in line with heavy lifting land mobilize or mega structure mover, ship launching services, ship new-built and repair & land reclamation sector.





OUR AFFILIATE PARTNER – DREDGING & RECLAMATION



中交上海航道局有限公司
CCCC SHANGHAI DREDGING CO.,LTD.

CCCC Shanghai Dredging Corporation Ltd. (SDC), founded more than a hundred years ago and now under the flag of China Communication Construction Company Ltd. (CCCC), is a China's leading marine and waterway contractor. The company has class-A qualification for general contracting of harbour and waterway works, class-A qualification for investigation and design and class-A qualification for surveying and mapping. SDC has been titled 5 times of the National Best Construction Enterprise and titled "AAA Trust of Enterprise for Contracting Works" and "AAA Credit of Enterprise."

The company owns a versatile fleet of approximately 101 ships and auxiliary vessels which consists of trailing suction hopper dredgers of XinHaiFeng, XinHai Hu and XinHai Long & cutter suction dredgers of XinHaiBao, XinHai Ying and XinHai E which are the advanced equipment worldwide and the biggest in China with annual dredging and reclamation capacity of 230 million cubic meters, more than 160,000 cubic meters of total hopper capacity in terms of trailing suction hopper dredgers and 100,000 kw of total installed power for cutter suction dredgers.





OUR AFFILIATE PARTNER – DREDGING & RECLAMATION



中交上海航道局有限公司
CCCC SHANGHAI DREDGING CO., LTD.

The company enjoys good reputation in dredging and reclamation sector either domestically and internationally. The projects named as Phase I, Phase II and phase III of Yangtze Estuary Deep water Channel Dredging and Regulation works in Shanghai, the Reclamation and Dredging works of Yang Shan Deep water Port Project, Shanghai Qingcaosha Reservoirs Project, Caofeidian Access Road Bed and Land Reclamation Works as well as tens of other national and provincial key projects have made the outstanding contribution to the development of China's harbour and the navigation industry. Since 1981, the company has carried out project of more than ten countries in the Middle East, South America, Southeast Asia and Africa and on good prestige for Chinese Dredging Industry.

With the affiliate with companies Evosun Sdn Bhd with SDC, in relationship a partner companion group of companies has been actively and positively provides business development at ASEAN countries, trained staff and dredging technical specialist localised ; an ability to benchmark of dredging and reclamation and designed to be as modular as committed to offering innovative contracting approaches including alliances on the major sand concession holder – KIBB MINING RESOURCES SDN BHD (1055881-P)





OUR AFFILIATE PARTNER – DREDGING & RECLAMATION



中交上海航道局有限公司 CCCC SHANGHAI DREDGING CORPORATION LTD.

Date: 30th December 2013.

Messrs: EVOSUN SDN BHD
No:38, Jalan Meranti Jaya 11,
Meranti Jaya Industrial Park,
47100 Puchong,
Selangor, Malaysia.

Dear Mr Anthony Ang,

Re: Letter of Affiliation for reclamation project

Your letter of Invitation to Bid for Reclamation by Ministry of Housing & Infrastructure Male, Maldives-

We are please to inform you that our company Shanghai Dredging Co., Ltd, is one of the largest dredging contractor in China. Our fleet of dredgers works in many part of the world, from Latin America to Africa and South East Asia.

As regard to the above reclamation project at Maldives, we can jointly work together to bid for the project with SDC support on Equipment and Technical matters.

We enclose herewith our company profile for the List of Dredgers and our Track records for International and Domestic projects that we have completed.

We look forward to hear from you soon.

Thank you.

Yours sincerely,

Shanghai Dredging Co., Ltd.

Manager of Overseas Business Department



地址: 上海市中山东一路13号6楼(200002) Add: 6/F, 13 Zhong Shan Dong Yi Road, Shanghai 200002, China
电话: 0086-21-63233430; 传真: 0086-21-63290126 Tele: 0086-21-63233430; Fax: 0086-21-63260126



OUR AFFILIATE PARTNER – DREDGING & RECLAMATION



中交上海航道局有限公司

CCCC SHANGHAI DREDGING CORPORATION LTD.

Date: 6th January 2014

Messrs: EVOSUN SDN BHD

No:38, Jalan Meranti Jaya 11,
Meranti Jaya Industrial Park,
47100 Puchong,
Selangor, Malaysia.

Dear Sir,

Subject : APPOINTMENT AS AFFILIATE CPMPANIES IN MALAYSIA

We refer to the above subject matter.

We are one of the largest dredging contractor in China and are delightful to have business coordination with your esteemed organization and to work closely as our appointed affiliated companies operating in North of West Malaysia.

With this affiliation, Shanghai Dredging Co. Ltd will be the Sole Dredging contractor to dredge/transport seasand for all the projects around Penang and surrounding areas inclusive of Kedah & Perlis.

Beside our equipment support, SDC Co. Ltd is willing to provide Technical assistance as a platform for the purpose of securing any potential reclamation project together.

We look forward to have a fruitful relationship with your company.

Thank you.

Your faithfully,

Shanghai Dredging Co., Ltd.

Assistant Manager of Overseas Business Department



c.c Director

KIBB Mining Resources Sdn Bhd
No: 15-2, Jin Solaris 3, Solaris Mont Kiara,
50480 Kuala Lumpur, Malaysia

地址: 上海市中山东一路 13 号 6 楼 (200002) Add: 6/F, 13 Zhong Shan Dong Yi Road, Shanghai 200002, China
电话: 0086-21-63233430; 传真: 0086-21-63290126 Tele: 0086-21-63233430; Fax: 0086-21-63290126



OUR AFFILIATE PARTNER – DREDGING & RECLAMATION



中交上海航道局有限公司

CCCC SHANGHAI DREDGING CORPORATION LTD.

EVOSUN SDN BHD

No. 38, Jalan Meranti Jaya 11,
Meranti Jaya Industrial Park,
47100 Puchong,
Selangor Darul Ehsan
Malaysia.

Date : 18th November 1998

Dear Sirs,

Subject : Appraisal Letter for the completion of Joint Venture Project
Reclamation– SUTERA HARBOUR RESORT

The brief details reclamation work with the shore protection of 140Ha (346 acres) at Kota Kinabalu, Sabah, Malaysia have been completed year 1998

Refer to the above matter, the full scale of joint venture for the client of reclamation Sutera Harbour Resort have been won good international reputation on our wholly executed jointly coordination with EVOSUN – Anthony WK Ang. We would like to express our highly gratitude on the smooth handling project between our both parties.

We seek into long term partnership with your esteemed group of companies for future coordination of project reclamation.

Thank you.

Your faithfully,

Shanghai Dredging Co., Ltd.

Assistant Manager of Overseas

Website : www.cccc-sdc.com

Email : liyanmin@ccc-sdc.com



CERTIFICATE AWARD



ER SHIPPING
TRADING COMPANY LTD.

Date: 17.07.2007.../200.....

LETTER OF APPRAISAL

To show gratitude with officially complimentary letter of appraisal for the project coordination as below company

MAX OASIS RUBBER AIRBAG & FENDERS ENTERPRISE

With first Ship launching at TURKEY, Istanbul by 30TH JUNE 2007, Using MARINE RUBBER AIRBAG TECHNOLOGY was launched successfully

Special dedicated to persons in charge as below for the project Ship launching OFMAR ATASOY vessel 8,600 DWT

Mr. Anthony WK Ang

Mr. Wang ShaoQing

Mr. Wang Wei

Mr. Zhou GuiBao

YOUR PROFESSIONAL ASSISTANCE IS VERY MUCH APPRECIATED. WE ARE CONFIDENT TO BE YOUR DISTRIBUTOR IN YOUR REGION, USING THE AIRBAG TECHNOLOGY.

KINDEST REGARDS

ER SHIPPING

ER Gemicilik Nakliyat ve Dış Tic. Ltd. Şti.
Tomtom Mahallesi, Boğazkesen Cad.
Hasan Efendi Hanı
No:123 Kat:5A Beşiktaş İST. Tel: 0212 251 92 94
Ülke: Türkiye V.D. 336 007 8126

ADD: Boğazkesen Cad. Hasan Efendi İş Hanı No. 123/5 Tophane -İstanbul / TÜRKİYE
Phone : +90.212 251 87 71 (n) 0533 746 79 27 Fax : +90.212 251 92 94 - 0.533.942.86.66



CERTIFICATE AWARD



Date : 14th December 2012

NGV TECH SDN. BHD.

(Company No. 235885-M | Incorporated in Malaysia in 1992)

This is to certify that Evosun Sdn Bhd (co no: 1000513-H) with its launching team personnel has been successful completed task of ship launching project

Ship Owner : **ROYAL MALAYSIAN NAVY (RMN)**

Ship Builder : **NGV TECH SDN BHD**

Collaboration by : **Daewoo Shipbuilding & Marine Engineering (DSME)**

Location built & Launched : **MALAYSIA**

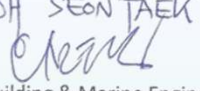
RMN TRAINING VESSEL K.D GAGAH SAMUDERA 271

Project Title

To provide supervision engineer, skilled general worker, equipment machine, tools, consumables, transportation & worker lodging for technical handling using marine airbag launching of RMN TRAINING VESSEL at site NGV yard, Sijangkang, Klang for one unit module gravity weight 1,366MT ; LOA 75.9mtrs for pre-site survey, inspection site condition & loadout operation to mobilize in distance approximately 70 metres & final launching vessel using marine airbag technology.

Regards,


NGV Tech Sdn. Bhd
Ir HAJI JAMALOLAIL MOHD YATIM
MANAGING DIRECTOR
NGV TECH SDN BHD

T/A. OH SEONTAEK


Daewoo Shipbuilding & Marine Engineering

OFFICE/SHIPYARD:
Batu 7, Kampung Sijangkang, Jalan Sempadan, 42500 Teluk Panglima Garang, Selangor Darul Ehsan, MALAYSIA.
Tel | +6 03 3122 1105 Fax | +6 03 3122 1106 Email | sijangkangadmin@ngvtech.com.my | hqadmin@ngvtech.com.my

Web site | www.ngvtech.com.my





CERTIFICATE AWARD



RMN Training Vessel Project Team
c/o NGV TECH SDN BHD
Batu 7, Kampung Sijangkang
Jalan Sempadan
42500 TELUK PANGLIMA GARANG
Selangor Darul Ehsan
Malaysia

Date: 14th December 2012

This is to certify that Evosun Sdn Bhd (co no: 1000513-H) with its launching team personal has been successfully completed task of ship launching project

Ship Owner: ROYAL MALAYSIAN NAVY (RMN)

Ship Builder: NGV TECH SDN BHD

Collaboration with: Daewoo Shipbuilding & Marine Engineering (DSME)

Location built & Launched: MALAYSIA

RMN TRAINING VESSEL

KD GAGAH SAMUDERA 271

Project Title

To provide supervision engineer, skilled general worker, equipment machine, tools, consumables, transportation & worker lodging for technical handling using marine airbag launching of RMN TRAINING VESSEL at site NGV yard, Sijangkang, Klang for one unit module gravity weight 1,366MT; LOA 75.9mtrs for pre-site survey, inspection site condition & loadout operation to mobilize in distance approximately 70 metres & final launching vessel using marine airbag technology.

Regards,

CDR BADARUDIN BIN TAHA RMN
Project Leader





CERTIFICATE AWARD



USTA OGLU YACHT & SHIP BUILDING IND.

TO : MAX OASIS RUBBER AIRBAG & FENDERS ENTERPRISE
DATE : 19.07.2007

DEAR SIRs ,

WE WOULD LIKE TO THANK YOU FOR YOUR TECHNICAL ASSISTANCE AT OUR FIRST SHIPLAUNCHING WITH AIRBAGS ON THE DATE OF 30TH JUNE 2007 .

IT WAS A VERY SUCSESFUL LAUNCH AND UNDER THE NAME OF MAX OASIS RUBBER AIRBAGS AND CHANGLING AIRBAG FACTORY WE WOULD LIKE TO THANK PRIVATELY TO MR. ANTHONY WK ANG ,MR. WANG SHAOQING ,MR. WANG WEI AND MR. ZHOU GUIBAO FOR THEIR EFFORDS.

WE WISH TO CONTINUE OUR COOPERATION WITH YOUR PRECIOUS COMPANY AND HAVE MORE BUSINESS TOGETHER, IN THE NEAR FUTURE.

BEST REGARDS

KAMIL USTAMEHMETOGLU

USTA OGLU SHIPYARD

USTA OGLU
YAT GEMİ SAN. TİC. LTD. ŞTİ.
Tersaneye, Balçısız, Güllük Kdz. EREGLİ
Tel : 0372 318 78 80 80 Hat
Fax : 0372 318 19 94
Kdz. Ereğli / İ. 896 006 4615

Shipyards :
Address : Cengelburnu No.16 Güllük Kdz. Ereğli - Turkey
Tel. : + 90 372 318 28 18 pbx
Fax : + 90 372 318 19 94

İstanbul Lisson Office :
Address : Hasan Efendi İş Hanı No. 45/5 Tophane-İstanbul-Türkiye
Tel. : +90 212 251 92 94
Fax : +90 212 251 87 71



CERTIFICATE AWARD

Date :2012

**This is to certify that Evosun Sdn Bhd (co no: 1000512-H) with its
launching team personnel has been successful completed
task of ship launching project**

Builder : JOHOR SHIPYARD AND ENGINEERING SDN BHD

Ship Owner : E. A. TECHNIQUE SDN BHD

Inspection routine by : PETRONAS MARITIME SERVICES SDN BHD

NAUTICA TANJUNG PUTERI XI

NAUTICA TANJUNG PUTERI XII

NAUTICA TANJUNG PUTERI XV

NAUTICA TANJUNG PUTERI XVI

Project Title

To Provide Labour & transportation on technical consultation at site to project handle pre-site survey, inspection & ship launching above mentioned vessel 40 T Bollard Pull Harbour Tug using marine airbag technology.

Regards,

JOHOR SHIPYARD AND ENGINEERING SDN. BHD.
(COMP. NO: 799576-U)

NEW KOK HO
PROJECT MANAGER

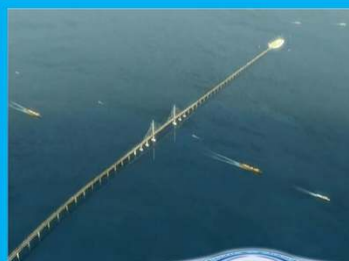
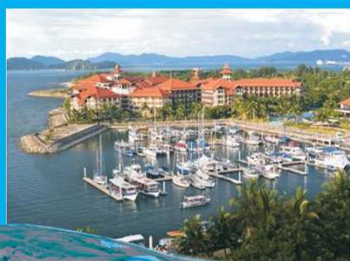
TRACK RECORDS




















PRIME TRACK RECORD – DREDGING & RECLAMATION

-  Reclamation works Resort Construction on SUTERA Harbour of Kota Kinabalu at Sabah , Malaysia
-  Dredger Chartering contract for Sarawak State Bintulu Port Channel Dredging Project at Sarawak, Malaysia
-  Dredger Chartering contract for Penang Port Main Channel Dredging Project at Pulau Pinang, Malaysia
-  Reclamation works for Langkawi resort Construction project at Malaysia
-  Sabah Semporna Navy Base Phase I & II Dredging Works at Malaysia
-  Phase I & Phase II Trench Dredging Projects for Jurong Tuas Reclamation works Phase IV at Singapore
-  Dredging and Reclamation project for Nodular Cast Iron Plant at Bahrain
-  Coatzacoalcos Port, Tampico Port, Topolobampo Port and Tuxpan Port Dredging Project at Mexico
-  Barranquilla Port Access Channel Maintenance Dredging Project at Columbia
-  Santamarta Beach reclamation Project at Columbia
-  Buenaventura Port maintenance Dredge project at Columbia
-  Dredging Project for Las Gaarzas Section of Magderana River at Columbia





PRIME TRACK RECORD – DREDGING & RECLAMATION

-  New airport Dredging project at Hong Kong
-  Huelien Port Dredging Project at Taiwan
-  Kaosiung Freshwater Port Dredging Works at Taiwan
-  Calabar Port Channel Dredging Works at Nigeria
-  Menam River Old and New Channel Dredging works Phase I, Phase II & III at Thailand
-  El Reo San Juan Channel Dredging Works at Venezuela
-  Surat Thani Channel Dredging Works at Thailand
-  Dredger Chartering Contract for Pipavav Port Dredging Project at India
-  Rio de Janeiro San Francisco Channel Maintenance Dredging project at Brazil
-  Itaguai Sepetiba Port Channel Dredging Works at Brazil
-  Gwadar Deep water Port Dredging and Reclamation Works Phase I and Additional Dredging works at Pakistan
-  Santos Port Maintenance Dredging Works at Brazil
-  La Plata River Maintenance Dredging Works at Uruguay
-  Luan reclamation and revetment Construction Works at Angola
-  Eko Atlantic City development Lagos Bar Beach Reclamation Works at Nigeria
-  LLX ACU Port Dredging and Reclamation Works at Brazil





PRIME TRACK RECORD – DREDGING & RECLAMATION

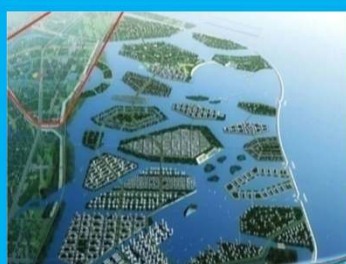
-  Yangtze Estuary Deepwater Channel Dredging and Regulation Works Phase I, II & III
-  Yang Shan Deepwater Port Project Phase I, II & III Land forming, Channel & Basin Dredging
-  Shanghai Qingcaosha Reservoir Project including Retaining Dike Building And Discharging Pumping House Lock Construction.
-  Shanghai Outer Ring Elevated Road Construction Huangpu River Crossing Tunnel Caisson Trench Dredging Project
-  Ningbo Changhong Tunnel Deep water Caisson Trench Dredging Project
-  Shanghai Chemical Industrial Park Reclamation Works
-  Shanghai Waigaoqiao Port Reclamation Phase I, II & III
-  Shanghai Luojing Port Reclamation Project
-  Shanghai Nanhui East Beach Retaining Dike Building and Reclamation Project
-  Shanghai JinShan City Artificial Beach Reclamation and Shoreline Regulation Project
-  Tianjin Sea-front Industrial area reclamation Phase II works
-  Caofeidian Causeway to the island Construction Project
-  Caofeidian reclamation works for the developing of capital Iron and steel company





PRIME TRACK RECORD – DREDGING & RECLAMATION

-  Caofeidian Industrial Park Reclamation works
-  Artificial island Construction Project for Jidong Oil Field Exploration
-  Changxing Island Channel Dredging Project at Dalian
-  ShenHua Group Huanghua Port Channel Dredging Works
-  Lianyungang 700,000 DWT Channel Dredging work
-  Reclamation Project for COSCO Taicang International City Port Construction
-  TaicangWugang Berth harbour Construction area Reclamation Project
-  Zhenhai Port Reclamation Works in Ningbo
-  Daxie port Multi-purpose Berthing Construction area Reclamation work in Ningbo
-  JintangDapukou Container Terminal Reclamation Works in Zhoushan of Zhejiang province
-  Xiashimen 300,000 DWT Channel Dredging Works in Zhoushan of Zhejiang province
-  Shenzhen Tonggu Channel Dredging Project
-  ZhanJiang 300,000 DWT Channel Dredging works



MISSION



OUR MISSION

- Reliable Delivery

- Passionate on marine operation

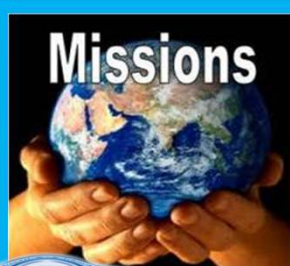
- Sustainable Development



- We are constantly aware of our clients' greatest concern – "Save time" and "Optimum profit". Trust on our capability and experiences worldwide deliver the best promised in reliable way.

- Keep explore joined forces external and internal specialist in marine state of art products and services. We act in an accountable, trustworthy and thorough way to realize into practice.

- We strike a balance in every operational marine development model between the economic, profitability of business, social and environment challenges; ultimately going green is good for a smart business movement.



ORGANIZATION CHART



Board of Project Management

Anthony W.K Ang
(Managing Director)

Harry Tan (Project manager)
William Tan (Technical manager)

Affiliation Companies

CCCC Shanghai Dredging Co., Ltd
Jinan ZhongHui Rubber Airbag
Co., Ltd
KIBB Mining Resources Sdn Bhd

• Land Heavylifting / Mega Mover

• Marine Dredging & Reclamation work

• Ship Launching Services

• Shipyard Facilities

• Marine Equipment Supply

OUR EXPERTISE





OUR EXPERTISE

HEAVY LIFTING / MEGA MOVER

Heavy lifting / Mega Mover job scope offers methods of pre & post engineering design; supply reliable operational heavy lift equipment to mobilize any structure using pneumatic or hydraulic controlled methods & Efficiency time factor operation management.



Marine transportation job scope offers transporting oversize mega structure in land & seawater (Onshore and Offshore) under one stop service operational management at efficiency time & cost.





OUR EXPERTISE

SHIP LAUNCHING

We provide one-stop service to launch your vessels at your shipyard. With the knowledge of experience in marine engineering work, coupled with wide range of marine equipment and skilled technical personnel, we have extended our capability to deliver top grade quality work to our customers with our in house skilled valuable staffs.



Ship launching job scope offers pre & post site survey inspection at your site/yard to cater for every case of ship launching project any types of vessel with gravity weight up to 10,000 Metric Tonne's.





OUR EXPERTISE

MARINE DREDGING AND RECLAMATION WORK



Land Reclamation of sand with main principal activities involve with Dredging of sand, transportation to the reclamation site, Discharging of sand & Beach Nourishment with rock revetment work.



OUR EXPERTISE

MARINE EQUIPMENT SUPPLY

- ❖ Fibre rope
- ❖ Wire rope
- ❖ Chain & shackle
- ❖ Ship fender
- ❖ “YOKOHAMA” pneumatic fender
- ❖ Marine Airbags
- ❖ Other Maritime Supplies





PRODUCT SPECIFICATION MARINE AIRBAG

EVO M series

Evosun sdn bhd

气囊直径 Diameter	工作压力 Working pressure	工作高度 Working height	单位长度的承载力保证值 Guaranteed bearing capacity per unit length		
			kN/m	t/m	lb/ft
D = 0.8 m (D = 2.62 ft)	0.25 MPa (36.26 psi)	0.5 m (1.640 ft)	117.92	12.02	8079
		0.4 m (1.312 ft)	157.16	16.02	10768
		0.3 m (0.984 ft)	196.49	20.03	13463
		0.2 m (0.656 ft)	235.73	24.03	16151
		0.6 m (1.968 ft)	125.76	12.82	8617
D = 1.0 m (D = 3.28 ft)	0.20 MPa (29.01 psi)	0.5 m (1.640 ft)	157.16	16.02	10768
		0.4 m (1.312 ft)	188.65	19.23	12925
		0.3 m (0.984 ft)	220.04	22.43	15076
		0.2 m (0.656 ft)	251.53	25.64	17233
		0.7 m (2.296 ft)	133.61	13.62	9154
D = 1.2 m (D = 3.94 ft)	0.17 MPa (24.66 psi)	0.6 m (1.968 ft)	160.30	16.34	10983
		0.5 m (1.640 ft)	187.08	19.07	12818
		0.4 m (1.312 ft)	213.76	21.79	14646
		0.3 m (0.984 ft)	240.44	24.51	16474
		0.2 m (0.656 ft)	267.22	27.24	18309
D = 1.5 m (D = 4.92 ft)	0.13 MPa (18.85 psi)	0.9 m (2.952 ft)	122.63	12.50	8402
		0.8 m (2.624 ft)	143.03	14.58	9800
		0.7 m (2.296 ft)	163.43	16.66	11198
		0.6 m (1.968 ft)	183.94	18.75	12602
		0.5 m (1.640 ft)	204.34	20.83	14000
D = 1.8 m (D = 5.90 ft)	0.11 MPa (15.95 psi)	0.4 m (1.312 ft)	224.75	22.91	15398
		0.3 m (0.984 ft)	245.15	24.99	16797
		0.2 m (0.656 ft)	267.81	27.30	18349
		1.1 m (3.608 ft)	120.96	12.33	8287
		1.0 m (3.280 ft)	138.22	14.09	9470
D = 2.0 m (D = 6.56 ft)	0.10 MPa (14.50 psi)	0.9 m (2.952 ft)	155.59	15.86	10660
		0.8 m (2.624 ft)	172.85	17.62	11843
		0.7 m (2.296 ft)	190.22	19.39	13033
		0.6 m (1.968 ft)	207.48	21.15	14216
		0.5 m (1.640 ft)	224.75	22.91	15398
		0.4 m (1.312 ft)	242.01	24.67	16581
		0.3 m (0.984 ft)	259.38	26.44	17771
		0.2 m (0.656 ft)	276.64	28.20	18954
		1.2 m (3.936 ft)	125.76	12.82	8617
		1.1 m (3.608 ft)	141.46	14.42	9692
		1.0 m (3.280 ft)	157.16	16.02	10768
		0.9 m (2.952 ft)	172.85	17.62	11843
		0.8 m (2.624 ft)	188.64	19.23	12925
		0.7 m (2.296 ft)	204.34	20.83	14000
		0.6 m (1.968 ft)	220.04	22.43	15076
		0.5 m (1.640 ft)	235.73	24.03	16151
		0.4 m (1.312 ft)	251.43	25.63	17227
		0.3 m (0.984 ft)	267.13	27.23	18302
		0.2 m (0.656 ft)	282.92	28.84	19384

**NOTE : UNIT SI length stated in meter & feet
UNIT SI pressure stated in MPa & Psi**



The primary role of the large air bag utilized in the Lower 9th Ward after Hurricane Katrina is as a series of earthquake insurance, and the savings come about to cut it apart must follow a federal judge's order on which pieces will end up in storage, and what will be discarded.

MARINE AIRBAG NEWS RELEASED PRESS

SABTU 15.12.12 1 SAFAR 1434

PEMANGKIN
FIKIRAN
RAKYAT

www.utusan.com.my

Utusan Malaysia

RMN's latest training vessel launched

KUALA LANGAT: Prime Minister's wife Datin Seri Rosmah Mansor yesterday named and launched the Royal Malaysian Navy's new training vessel K.D. Gagah Samudera at the NOV Tech Sdn Bhd shipyard in Klang, here.

The 76-metre ship, which has a maximum speed of 20 knots, is the first of two ships built for RMN by local shipbuilder NOV Tech Sdn Bhd in collaboration with South Korean company Daewoo Shipbuilding and Marine Engineering (DSME).

Also present to witness the launch were former prime minister Tun Dr Mahathir Mohamad and his wife Tun Dr Siti Hasmah Mohd Ali, Defence Minister Datuk Seri Dr Ahmad Zahid Hamidi, Chief of Navy Tan Sri Abdul Aziz Jaafar, Ambassador of Korea to Malaysia Lee Yong Jun and NOV Tech Sdn Bhd executive chairman, Datuk Zulkifli Shariff.

Zahid said Dr Mahathir was the catalyst to the construction of the ship and the vessel was a testament of a leader's commitment to the country even though he was no longer a prime minister.

"This shows there is a continuity



Datin Seri Rosmah Mansor gets an update on the Royal Malaysian Navy's K.D. Gagah Samudera from Defence Minister Datuk Seri Dr Ahmad Zahid Hamidi after its launching yesterday. In the centre is former prime minister Tun Dr Mahathir Mohamad. (Inset) The K.D. Gagah Samudera. Pic by Hui Min Tai

to see through a project until it is successfully realised. Prime Minister Dr Mahathir had also instructed me to make sure that this ship was built."

Zahid said, local shipbuilders should learn from Korea which was able to gain recognition as the world's biggest shipbuilder in just a span of 20 years.

Meanwhile, Aziz said the completion of the vessel had been long awaited by RMN not only to be used for training but also to patrol and monitor the country's waters.

He pointed out that RMN had been waiting for the ship after 27 of its ships were transferred to the Malaysian Maritime Enforcement Agency in 2006.

"At the moment, we only have

K.D. Hang Tuah which is already 40-years old and K.D. Teman Samudera as training ships.

"We hope the government will take into account a proposal to procure another two ships from the company in the 11th Malaysia Plan as the two extra ships can replace RMN's eight fast attack vessels which are almost 40 years old," he said in his speech.

K.D. Gagah Samudera can accommodate 47 crew and 60 trainees and can travel 2,500 nautical miles without stopping or stop 21 days at sea before refuelling.

It also has a helicopter landing strip and is equipped with combat system, radar, navigation and communication equipment and short range weapons which would enable

it to carry out naval operations when needed. Commissioning and handing over of the vessel to RMN will be in June next year after it undergoes sea trials.

Delivery for the second unit is

scheduled to be in August next year.

K.D. Gagah Samudera is the 100th marine vessel of various designs and sizes built and launched by NOV Tech since 1999.

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OUR SERVICES





OUR SERVICES

SHIPYARD FACILITIES

We provide facility of dry docking yard & services for the operation in ship repair, ship maintenance, ship-building, Heavy structure fabrication refurbishment.



We can charter out of docking yard at competitive cost to up slip and down slip your vessel to repair at your own budget workman costing. However, we have sufficient machinery equipment at the yard for the repair operation.





OUR SERVICES

Major work scope in which to undertake comprise the following:

- New building vessel
- Dry dock using marine airbag system..
- Ship Hull repair and maintenance
- Inspection, repair and maintenance of machinery and equipment
- Inspection of wiring and piping systems
- Replacement metal marine steel plate of corroded or faulty structures and parts, as well as piping systems
- Removal and modifying parts, structures and fittings
- High pressure water Cleaning
- Marine Sand blasting
- Marine Painting and Coating
- Ship breaking in complete for metal scrap



SUCCESSFUL PROJECTS





SHIP LAUNCHING PROJECTS

June 2007

Shipyard new vessel builder Industry in TURKEY- Full team consultation with attend at site successful to launch using marine airbag for vessel OFMAR ATASOY 8,600 DWT into black sea with launched weight 3,660 Metric tonnes at ISTANBUL, Turkey. It achieve historical movement for the first time launching using marine airbag have won good reputation direct to our organization.





SHIP LAUNCHING PROJECTS

MAY 2009

To provide labour man power, tools & transportation to attend at site Palembang, Indonesia for shipyard PT Mariana Bahagia to launch vessel MV PAPUA BARU Coaster 1200GT – PERINTIS.





SHIP LAUNCHING PROJECTS

Dec 2012 & Feb 2013

To provide supervision engineer, skilled general worker, Equipment machine, tools, consumables, transportation & worker lodging for technical handling using marine airbag launching of ROYAL MALAYSIAN NAVY (RMN) TRAINING VESSEL at site NGV yard, Sijangkang, Klang for two unit module gravity weight 1,366MT; LOA 75.9mtrs for pre-site survey, inspection site condition & load out operation to mobilize in distance approximately 70 meters & final launching vessel using marine airbag technology.





SHIP LAUNCHING PROJECTS

February 2012

To provide labour & transportation on technical consultation at site to project handle pre-site survey, inspection & launching above mentioned vessel 40 T Bollard Pull Harbour Tug using marine airbag technology.

Builder : JOHOR SHIPYARD AND ENGINEERING SDN BHD

Ship Owner : E. A. TECHNIQUE SDN BHD

Vessel Name :Nautica Tj Puteri XI / XII / XV & XVI

Inspection routine by : PETRONAS MARITIME SERVICES SDN BHD





SHIP LAUNCHING PROJECTS

February 2009

To supply procurement of ultra-high pressure 0.20MPa marine airbag ; provide with full team consultation at site to heavy lift mobilization & launching 3 units of “MT GAGASAN SABAH” chemical tanker 7,000DWT at site Jerejak Island, Penang for Boustead Penang Shipyard Sdn bhd (Boustead Berhad Group).

Additional job scope :

To mobilization vessel in 50 degree slanting motion direction to adjust the entire 3,000 metric tonnes vessel until launching position at distance 120 metres into slipway.





SHIP LAUNCHING PROJECTS

Since October 2008

To supply Marine airbag with necessary equipment to carried out salvage project for Benalec Berhad with full consultation from us to mobilize, hauling & launching barge & tugboat from size 200 tons ~ 800 tons vessel by using marine airbag.

OCEANLINK 120 ; OCEANLINK 121 - 120' barge

CATHAY 183 ; OCEALINK 182 ; CATHAY 188 - 180' barge

CERGAS 211 - 200' barge

ELINK 1 – 220' barge

ARWANA 3 - 1200BHP Tug boat

CATHAY 88 - 1200BHP twin screw tug boat





HEAVY LIFTING AND MOVER

May 2004

To provide labour, tools & transportation to handle heavy lifting project to mobilize about 50 meters ~ 150 meters of large scale hollow section caissons with gravity weight each of 800 metric tonnes with units of 27 numbers in total at site GuangZhou, China for LNG power plant HuiZhou project.





HEAVY LIFTING AND MOVER

August 2005

Project handling in full consultation with provide labour man power, tools & transportation to heavy lift , mobilize & connecting the module caisson with gravity weight 5,000 metric tonnes at site FangCheng, China for GuangZhou Salvage bureau of the ministry of transport.





DREDGING & RECLAMATION

1996 ~ 1998

Project handling in full consultation with provide labour manpower, tools & transportation to Dredging and Reclamation the SUTERA Harbour resort land foundation work at Kota Kinabalu, Sabah. Nestled Between the shores of the South China Sea, fronting the tropical islands and the majestic Mount Kinabalu is the grand expanse of SUTERA Harbour resort. The 384 acre resort provides a spectacular array of activities from its luxurious five-star hotels, championship golf course, marina and recreational facilities.

Land reclamation : 14 Ha (346 acres) completed with Shore protection

Project value : RM 280 million phase 1a & 1b

Date commencing : 1996 ~ 1998





DREDGING & RECLAMATION

2002 - 2007

Yang Shan Deepwater Port Project Phase I, II & III ; Its becomes the important strategic base for construction of Shanghai International Shipping Centre with the total 5,600m alongside berthing facilities & total built-up area 2,992,850 square meter of size in which the Yang Shan Deepwater Port capable to handle 10 million TEU capacities annually.

Employer : Yangshan Tongsheng Port Construction Co. Ltd.

Construction Period : 2002 - 2007

Brief project : 833 ha, 125 million cbm of Reclamation & 13 km seawall

Value : 470 million USD



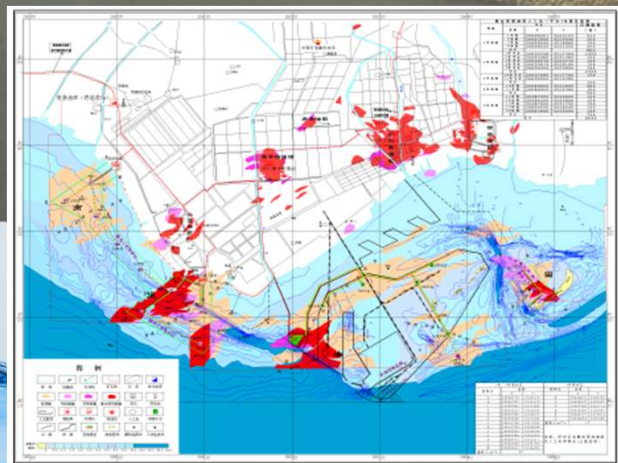


DREDGING & RECLAMATION

2006 ~ 2012

The project cooperated with China National Petroleum Corporation (CNPC) for the offshore infrastructure construction projects, the first artificial island construction has been completed with total area of 413 mu (1mu = 0.165 acre) for offshore petroleum exploitation. It has contributed to the offshore petroleum exploitation for newly discovered the huge Jidong Nanbao Oil Field with total reserves of one billion tons and also to the China Petroleum Security Strategy. At the same time, it set the successful milestone of being engaged in the field of offshore petroleum exploitation construction works.

Owner	: PetroChina Jidong Oilfield Company
Construction Period	: 2006 – 2012
Project brief	: 5 island reclaimed from 7Ha ~ 28Ha
Value	: 242 million USD

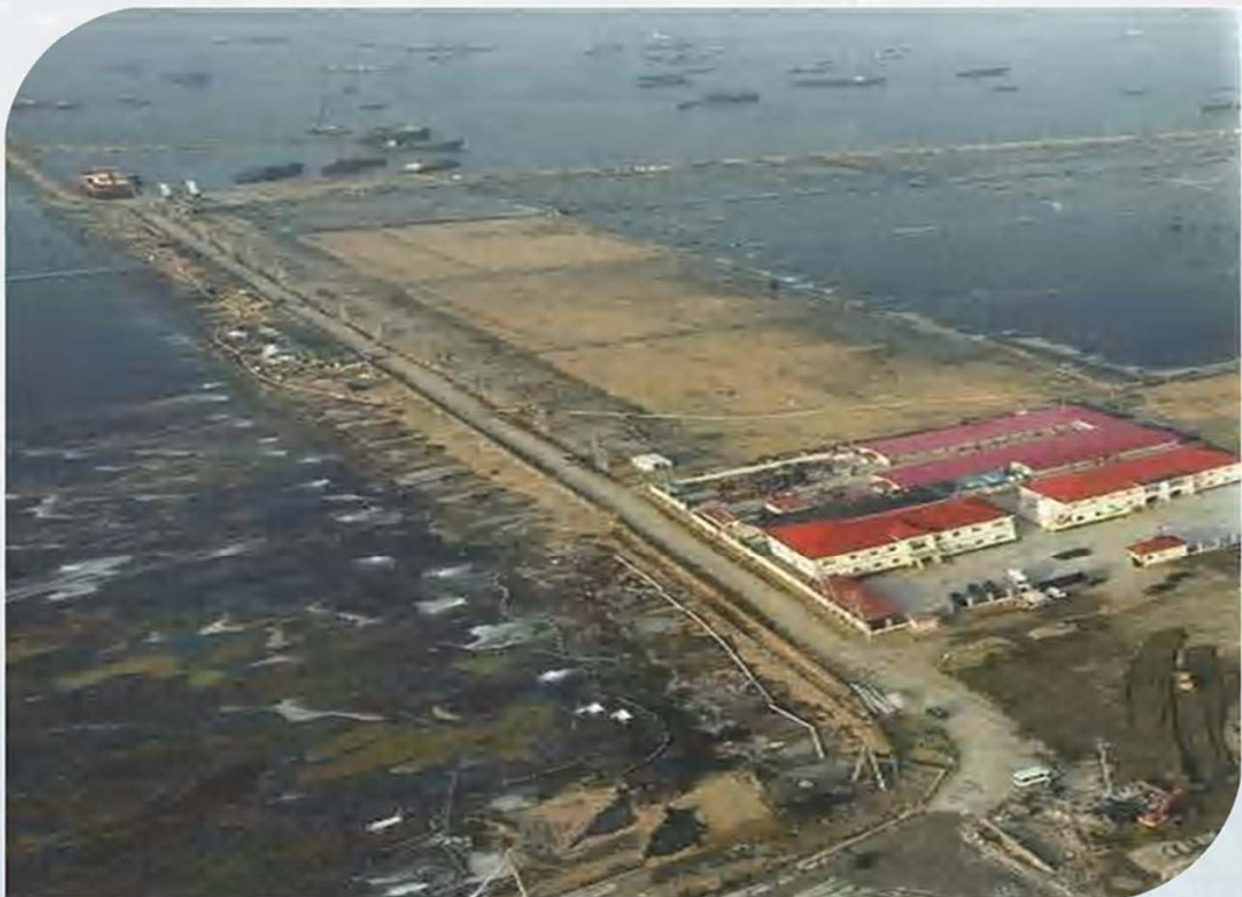




DREDGING & RECLAMATION

Tianjin Sea-front Industrial Area Reclamation Works Phase II is located on the shallow water area of foreland at the Estuary of Haihe River in Tang Gu district, which on the foreland to the east of the Phase I Project. On the layout plan, the east boundary of land forming area is shown just as the west boundary of the east port area, the north boundary is parallel with the alignment line of Southern Branch of Haihe River 100m to the south and south boundary is the extension boundary line of south cofferdam for Phase I Project. The total reclamation volume is 253,180,000m³, the total length of dike is 35,766km including retaining dike 20,296km and screen dike 15.47km. The reclamation area is 25.35km².

Owner : Tianjin Sea-front Industrial Management committee
Project Brief : 3780 Ha reclamation, 38km sea wall
Value : 1.6 billion USD





DREDGING & RECLAMATION

2003

In the area around the Bohai Bay, we took lead in introducing a new techniques of building seawalls by using sand sacked bags at the core in the northern ice melting region of China, succeeded in building an 18.477km of causeway foundation in Caofeidian, which successfully contribute to the historic move of Capital Iron and Steel Company from Beijing to Tangshan Caofeidian.

Owner	: Caofeidian Land reclamation Co., Ltd (Tangshan branch)
Construction Period	: since 2003
Brief project	: 22,000 Ha reclamation on going project till now
Value	: 12.9 billion USD



FLEET OF VESSELS





FLEET OF VESSELS & EQUIPMENT LIST

TRAILING SUCTION HOPPER DREDGER

Xin Hai Feng	16,888cbm
Xin Hai Hu	13,500cbm
Xin Hai Long	12,888cbm
Xin Hai Shi	12,000cbm
Xin Hai Xiang	12,000cbm
Xin Hai Jing	12,000cbm
Hang Jun 9001	9,000cbm
Hang Jun 9002	9,000cbm
Hang Jun 5001	5,000cbm
Hang Jun 5002	5,000cbm
Hang Jun 4001	4,500cbm
Hang Jun 4003	4,500cbm
Hang Jun 4004	4,500cbm
Hang Jun 4006	4,500cbm
Hang Jun 4007	4,500cbm
Hang Jun 4008	4,500cbm
Hang Jun 4009	4,500cbm
Hang Jun 4011	4,500cbm
Hang Jun 4012	4,500cbm
Hang Jun 3001	3,000cbm

Grab Shell clam Dredger

Xin Hai Beng Bucket	capacity 27cbm
Hang Yang 1301 Bucket	capacity 13cbm
Hang Yang 1302 Bucket	Capacity 13cbm



FLEET OF VESSELS & EQUIPMENT LIST

CUTTER SUCTION DREDGER

Xin Hai Bao	3,500 m ³ / H
Xin Hai Ying	3,500 m ³ / H
Xin Hai E	3,500 m ³ / H
Xin Hai Yan	3,500 m ³ / H
Xin Hai Ou	3,500 m ³ / H
Xin Hai Kun	3,500 m ³ / H
Xin Hai Jiao	3,500 m ³ / H
Xin Hai He	3,500 m ³ / H
Xin Hai Lang	3,500 m ³ / H
Xin Hai Lu	3,500 m ³ / H
Xin Hai Li	3,500 m ³ / H

LARGE SCALE MATTRESS-LAY VESSEL

Chang Jiang Kou	No. 1
Chang Jiang Kou	No. 2
Yan Shan	No. 1
Yan Shan	No. 2
Qing Cao Sha	No. 1
Qing Cao Sha	No. 2



TRAILING SUCTION HOPPER DREDGER

Xin Hai Feng 16,888cbm



Name of Vessel	:	Xin Hai Feng	Total Tonnage (When Loaded Draft is 10.00m)	:	25000t
Country Of Registration	:	CCS	Total Installed Capacity of Power	:	35640kw
Type	:	Trailing Suction Hopper Dredger	Navigation Speed	:	16kn
Length Over All	:	160.90m	Promote the Diesel Engine	:	12 X 600rpm X 11600kw
L.B.P	:	151.40m	Hopper Capacity	:	16888cbm
Breadth	:	27m	Diameter Suction Pump	:	1200mm
Moulded Depth	:	11.80m	Maximum Dredging Depth	:	35m – 45m
Average Loaded Draft (Summer Load Line, International Freeboards)	:	8.00m	Mode of Operation	:	Hopper Loading, Bow Pumping, Pipeline Connecting
Average Loaded Draft (Dredging Mark, the International Semi-side Freeboards)	:	10.00m			



TRAILING SUCTION HOPPER DREDGER

Xin Hai Hu 13,500cbm



Name of Vessel	:	Xin Hai HU	Main Engine Power	:	9000kw X 2
Country Of Registration	:	CCS	Navigation Speed	:	15.5kn
Type	:	Trailing Suction Hopper Dredger	Total Power	:	19700kw
Manufacturer	:	Guangzhou Wenchong Shipyard Co.Ltd.	Hopper Capacity	:	13500cbm
Year of Manufacture	:	2007	Number of Trailing Tubes	:	2
Length Over All	:	150.7m	Maximum Dredging Depth	:	35m – 45m
L.B.P	:	141.6m	Power of Dredge Pump	:	2200kw X 2
Breadth	:	27m	Discharge Capacity of Mud Pump	:	16200cbm/h – 25200cbm/h
Moulded Depth	:	11m	Mode of Operation	:	Hopper Loading, Bow Pumping, Pipeline Connecting
Loaded Draft	:	9.50m			



TRAILING SUCTION HOPPER DREDGER

Xin Hai Long 12,888cbm



Name of Vessel	:	Xin Hai Long	Main Engine Power	:	9000kw X 2
Country Of Registration	:	CCS	Navigation Speed	:	16kn
Type	:	Trailing Suction Hopper Dredger	Total Power	:	19600kw
Manufacturer	:	IHC Holland	Hopper Capacity	:	12888cbm
Year of Manufacture	:	2002	Number of Trailing Tubes	:	2
Length Over All	:	147.50m	Maximum Dredging Depth	:	35m – 45m
L.B.P	:	140.00m	Power of Dredge Pump	:	2200kw X 2
Breadth	:	27m	Discharge Capacity of Mud Pump	:	16200cbm/h – 25200cbm/h
Moulded Depth	:	10.40m	Mode of Operation	:	Hopper Loading, Bow Pumping, Pipeline Connecting
Loaded Draft	:	7.58m			



TRAILING SUCTION HOPPER DREDGER

Hang Jun 9001 9,000cbm



Name of Vessel	:	Hang Jun 9001	Main Engine Power	:	5733kw X 2
Manufacturer	:	Japan IHI Shipyard	Navigation Speed	:	14kn
Year of Manufacture	:	1979	Total Power	:	24896.6kw
Length Over All	:	1161.20m	Hopper Capacity	:	9000cbm
L.B.P	:	153.0m	Number of Trailing Tubes	:	2
Breadth	:	29m	Discharge Capacity of Mud Pump	:	12000m ³ / H
Moulded Depth	:	12m	Power of Dredge Pump	:	1176kw X 2
Loaded Draft	:	8m	Maximum Dredging Depth	:	24m



TRAILING SUCTION HOPPER DREDGER

Hang Jun 5002 5,000cbm



Name of Vessel	:	Hang Jun 5002	Main Engine Power	:	3.970kw X 2
Manufacturer	:	Verlame Heusden	Navigation Speed	:	12.6kn
Year of Manufacture	:	May 1997	Total Power	:	8251kw
Length Over All	:	103.11m	Hopper Capacity	:	5000cbm
L.B.P	:	95.00m	Number of Trailing Tubes	:	2
Breadth	:	18.00m	Diameter Suction Pump	:	900mm
Moulded Depth	:	8.65m	Power of Dredge Pump	:	2650kw X 2
Loaded Draft	:	8.50m	Maximum Dredging Depth	:	24m



TRAILING SUCTION HOPPER DREDGER

Hang Jun 4012 4,500cbm



Name of Vessel	:	Hang Jun 4012	Loaded Draft	:	6.38m
Country Of Registration	:	CCS	Main Engine Power	:	2500kw
Manufacturer	:	Guangzhou Wenchong Shipyard Co.Ltd.	Navigation Speed	:	12kn
Year of Manufacture	:	2006	Total Power	:	10593.5kw
Length Over All	:	103.10m	Hopper Capacity	:	4,500cbm
L.B.P	:	96.8m	Number of Trailing Tubes	:	2
Breadth	:	18.80m	Discharge Capacity of Mud Pump	:	11000 m ³ / H
Moulded Depth	:	7.80m	Maximum Dredging Depth	:	27m



TRAILING SUCTION HOPPER DREDGER

Hang Jun 3001 3,000cbm



Name of Vessel	:	Hang Jun 3001	Main Engine Power	:	1790kw X 2 (cpp)
Length Over All	:	94.14m	Hopper Capacity	:	3,000cbm
Breadth	:	18m	Number of Trailing Tubes	:	2
Moulded Depth	:	7m	Diameter Suction Pipe	:	600mm



GRAB DREDGER

Xin Hai Beng Bucket Capacity 27cbm



Name of Vessel	:	Xin Hai Beng
Country Of Registration	:	CCS
Type	:	Grab Dredger
Manufacturer	:	ZPMC
Year of Manufacture	:	2009
Length Over All	:	65.8m
Breadth	:	24m
Moulded Depth	:	4.8m
Grab Capacity	:	27cbm



CUTTER SUCTION DREDGER

Xin Hai E 3,500 m³/ H



Name of Vessel	:	Xin Hai E	Loaded Draft	:	3.67m
Country Of Registration	:	CCS	Total Power	:	14576kw
Type	:	Cutter Suction Dredger	Power of Dredge Pumps	:	3700kw X 2
Manufacturer	:	Nantong Gangzha Shipyard	Submerged Pump	:	1752kw
Year of Manufacture	:	Oct 2006	Cutter Diameter	:	2.33m – 2.76m
Length Over All	:	97.80m	Cutter Power	:	1280kw
L.B.P	:	74.59m	Maximum Dredging Depth	:	25m
Breadth	:	17.20m	Maximum Delivery Distance	:	7000m
Moulded Depth	:	5.00m	Dredging Capacity	:	3,500 m ³ / H



CUTTER SUCTION DREDGER

Xin Hai Yan 3,500 m³/ H



Name of Vessel	:	Xin Hai Yan	Breadth	:	18.20m
Country Of Registration	:	CCS	Moulded Depth	:	5.20m
Type	:	Cutter Suction Dredger	Loaded Draft	:	3.70m
Manufacturer	:	Nantong Gangzha Shipyard	Total Power	:	9564kw
Year of Manufacture	:	2008	Power of Dredge Pumps	:	1776kw
Length Over All	:	104.80m	Cutter Power	:	1280kw
L.B.P	:	82.60m	Maximum Dredging Depth	:	27m



TRAILING SUCTION HOPPER DREDGER

Wan Qing Sha 10,028cbm



Jun Hai 1 10,000cbm



Jun Hai 2 10,000cbm



Jun Hai 5 10,000cbm



Jun Hai 6 10,000cbm



GuangZhouHao 5,200cbm





No.	Particulars	Specifications
1	Name of Dredger	XIN HAI HU
2	Name of builder	Wen Chong shipyard Guangzhou China
3	Year Built	2007
4	Length Overall	150.7m
5	Breadth Overall	27.0m
6	Depth	11.0m
7	Maximum Draught Loaded	9.50m
8	Capacity of Hopper	13500m ³
9	Speed of Dredger	16.3kn
10	Total installation power	19977kw
11	Maximum Dredging Depth	42m



No.	Particulars	Specifications
1	Name of Dredger	XIN HAI HU 4
2	Name of builder	Wen Chong shipyard Guangzhou China
3	Year Built	2011
4	Length Overall	135m
5	Breadth Overall	27.0m
6	Depth	10.1m
7	Maximum Draught Loaded	8.80m
8	Capacity of Hopper	11888m ³
9	Speed of Dredger	15kn
10	Total installation power	16562kw
11	Maximum Dredging Depth	35m



No.	Particulars	Specifications
1	Name of Dredger	XIN HAI HU 5
2	Name of builder	Wen Chong shipyard Guangzhou China
3	Year Built	2011
4	Length Overall	135m
5	Breadth Overall	27.0m
6	Depth	10.1m
7	Maximum Draught Loaded	8.80m
8	Capacity of Hopper	11888m ³
9	Speed of Dredger	15kn
10	Total installation power	16562kw
11	Maximum Dredging Depth	35m



No.	Particulars	Specifications
1	Name of Dredger	XIN HAI HU 8
2	Name of builder	SHANGHAI ZHEN HUA HEAVY INDUSTRIES CO., LTD
3	Year Built	2012
4	Length Overall	115.02m
5	Breadth Overall	25.60m
6	Depth	9.20m
7	Maximum Draught Loaded	8.50m
8	Capacity of Hopper	10000m ³
9	Speed of Dredger	15.0kn
10	Total installation power	14170kw
11	Maximum Dredging Depth	32m



No.	Particulars	Specifications
1	Name of Dredger	XIN HAI HU 9
2	Name of builder	Wen Chong shipyard Guangzhou China
3	Year Built	2012
4	Length Overall	115.02m
5	Breadth Overall	25.60m
6	Depth	9.20m
7	Maximum Draught Loaded	8.50m
8	Capacity of Hopper	10000m ³
9	Speed of Dredger	15.0kn
10	Total installation power	14170kw
11	Maximum Dredging Depth	32m



No.	Particulars	Specifications
1	Name of Dredger	XIN HAI NIU
2	Name of builder	Wen Chong shipyard Guangzhou China
3	Year Built	2009
4	Length Overall	134.4m
5	Breadth Overall	25.32m
6	Depth	10.0m
7	Maximum Draught Loaded	8.50m
8	Capacity of Hopper	10000m ³
9	Speed of Dredger	15.0kn
10	Total installation power	18800kw
11	Maximum Dredging Depth	32m

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THE END



Thank You!

