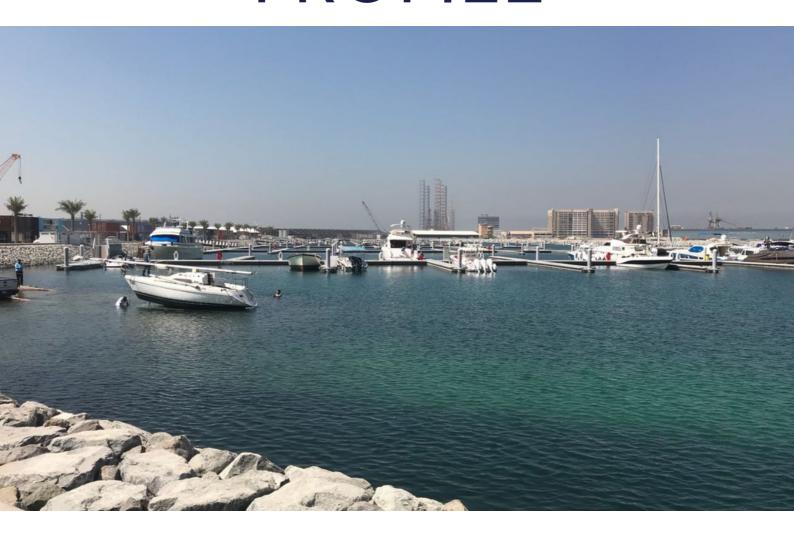


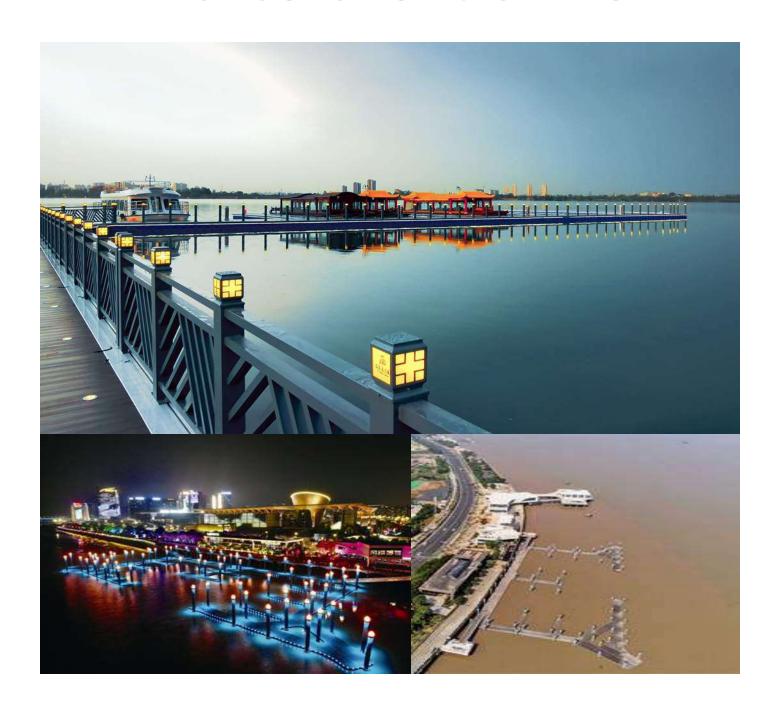
JSM Engineering & Marine Design

COMPANY PROFILE



Quality First, Credit Supremacy!

JSM Engineering is your one-stop-shop for all your Marina Solutions



Yang Fushan Marina







INTRODUCTION

JSM Engineering & Marine Design Solutions FZE was founded in 2014. It provides a one-stop customer-focused centre from proposal stage to full engineering design, fabrication, construction, testing & commissioning till the final completion stages.

JSM Engineering has passed the ISO 9001-2015 and owns a number of invention patents, our products are cost-effective and our system meets the requirements of Australian Standards and Major Safety Standards

We have dozens of experienced management and technical engineers while carrying out extensive exchange and cooperation with many design institutes around the world to provide customers with comprehensive solutions and technical consulting services. We have participated in a number of high-quality marina projects with years of experience and technical foundation. They are praised by customers for their excellent design, exquisite production, and high standard of construction quality.

The outcome of our performance depends not only on turnover and profits but also on the industry and social ethical factors which are our foremost concerns. JSM strongly believes in a sense of responsibility, enthusiasm, and flexibility in carrying out all our tasks and in meeting our business objectives.

"Quality first, credit supremacy" is unswervingly JSM's culture. We are giving you the best marine solutions!









Our Vision

Our vision is to deliver high-quality services, tailored to our customers vispecific needs giving every client satisfaction for every business partner. We aspire to be one of the best global and the key manufacturer for all floating solutions with a special focus on our materials and pontoons.

Our Values & Creation

We strive to deliver and value-add to our work processes, by creating solutions beneficial to all our customers, and to our human resources, i enriching their goals in life.

Commitment

We are committed to keeping our promise to produce excellent product and services, meeting the necessary standards and specifications for our customers' needs while fulfilling our promises.













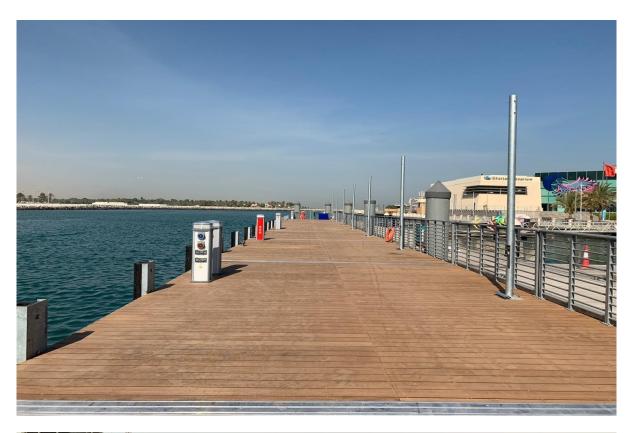


Sharjah Ferry Terminal











Sharjah Ferry Terminal











































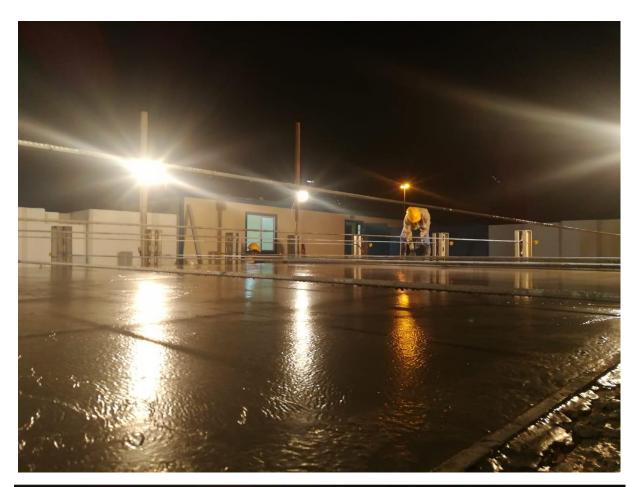






















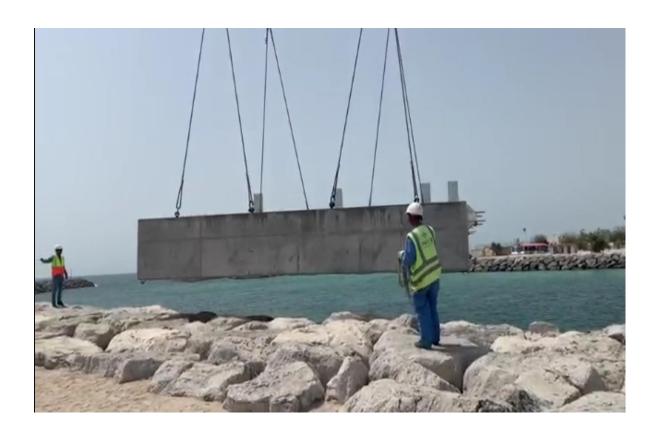




















Ras Al Khaimah





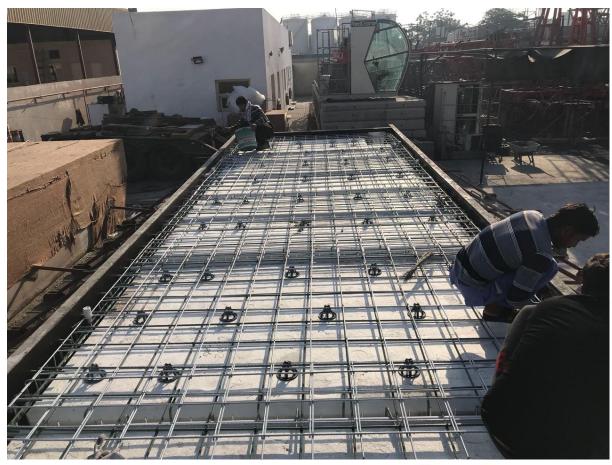








































<u>Fujairah</u>































JSM Engineering & Marine Design Solutions FZE











Dubai Maritime City





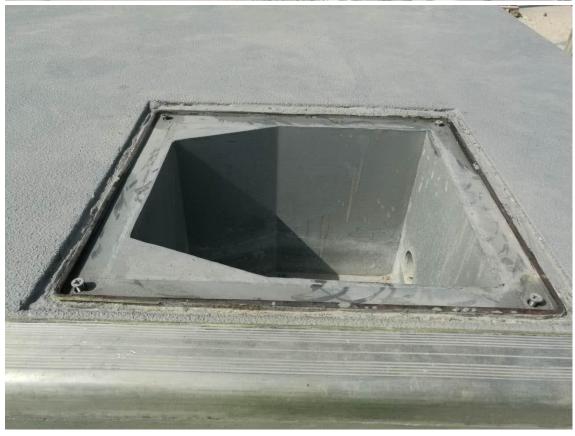






































BEST SOLUTION & SERVICE DESIGN STANDARD

Our design philosophy is based on current international standards, which consider marina site's environmental conditions. JSM has developed full-set of engineering calculations taking into account important parameters, such as the Wave, Wind, Current and Boat The different sizes and types of vessels would influence the different forces exerted onto the floating pontoon structural system; from mooring cleats to affecting the anchoring system eventually.

The anchoring systems can take the form of driven piles, chain block system, H-beam restraining system, and proprietary SeaFlex and Dual Docker systems.

CRITERIA:

- -AS3962-2001 GUIDELINES FOR DESIGN OF MARINAS
- -BRITISH STANDARD: TYHA
- -THE TENDER REQUIREMENTS







Aluminum Pontoon

- 1-Marine grade 6061 or 6082 T6 aluminum alloy structure.
- 2-Top finish can be hardwood or plastic wood panels.
- 3-HDPE floating box, using imported raw materials, filled with 15 kg/ m ^ 3 EPS foam.
- 4-EPDM rubber fender surrounded.
- 5-Flexible connection between pontoons can effectively eliminate the impact of wind and waves.

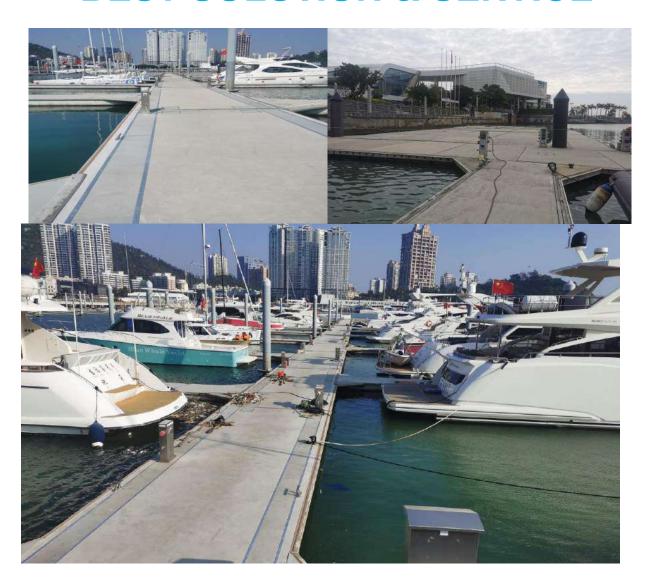


- 2-Top finish can be epoxy painting.
- 3-EPDM D-fender surrounded.
- 4-Super strong patented SS316L connection wire (300KN).









Steel Pontoon

- 1- The use of international tough steel, hot galvanizing treatment.
- 2-Top finish can be hardwood or plastic wood panels.
- 3-HDPE floating box, using imported raw materials, filled with 15 kg/m³ EPS foam.
- 4-EPDM rubber fender surrounded.
- 5-Flexible connection between pontoons can effectively eliminate the impact of wind and waves.











ALUMINUM GANGWAY

JSM Aluminum Gangways are designed using proprietary in-house fabricated aluminum sections, with adequate strength and durability. The Gangways typically feature a pipe-truss design and TIG / MIG welded from 6061-T6 / 6082-T6 aluminum alloy. The surface decking material could be selected from composites, natural hard-wood, natural soft-wood. These decking are fixed onto the aluminum structural chassis with SS316 stainless steel screws, and assembled together with nylon-roller scroll wheels, aluminum alloy hinge and transition plates, roller and hinge pins, and fastened with screws in SS316 stainless steel.

All gangways are fabricated using specially specified appropriate materials of adequate strength and sufficient durability. All products undergo rigorous strict quality control checks before being transported out to sites.











Width(m)	Length(m)	Height(m)	Capacity(Pa)
1.0	4.0~11.5	1.1~1.3	2000~4500
1.5	8.0~16.0	1.1~1.3	2000~4500
2.0	10.0~20.0	1.1~1.3	2500~4500
2.5	12.0~25.0	1.1~1.3	2500~4500
3.0	20.0~35.0	1.1~1.3	3000~4500

Notes:

- 1. The above size are for reference only
- 2. More specification can be customized









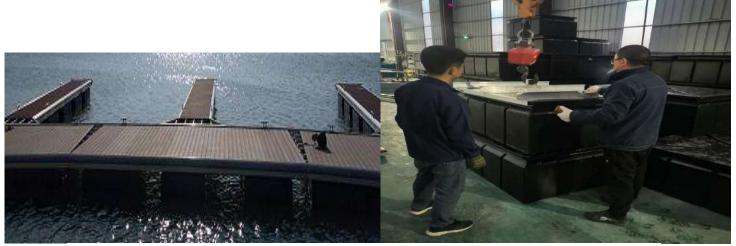


FLOATING BOX

JSM's floating boxes are made of HDPE material.

It is of mono-bloc rotational 2 skins in construction, with attributes such as ultra-violet ray resistant, fire propagation proofed, closed cell with expanded polystyrene foam, one time figuration, density of EPS of at least 15 kg/m³. The floats are attached to the main pontoon chassis by SS316 bolts. Arising from the need to maintain the right freeboard, concrete ballast was used to maintain a stable buoyancy. With no detrimental corrosion, no electrolytic action under salt-water circumstance, its durability is ensured.

Warranty: 20 years.











WOOD POLYMER COMPOSITES (WPC)



WPC is a durable environmentally friendly decking material. It is made of plastic and wood, tempered by high temperature, under scientifically designed production formula.

The color, shape and size can be customized.

Undoubtedly, Wood Polymer Composites is one of the most appropriate materials for marina surface decking.



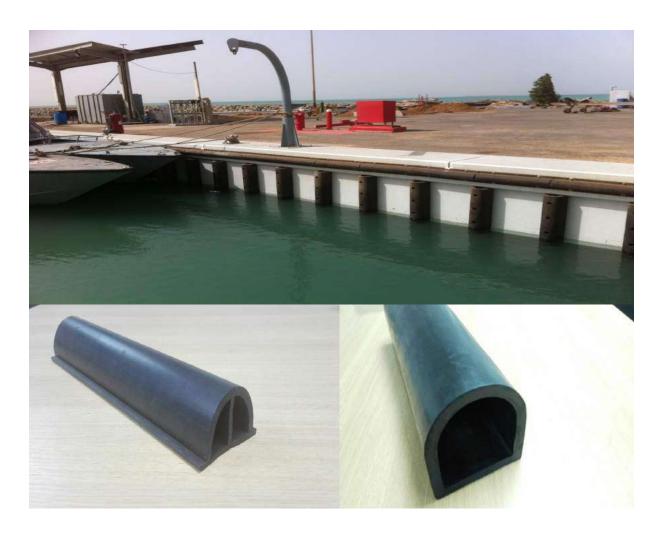




FENDER

Compared with other fenders, JSM's fender has a lower spring constant during its earlier stage of deflection, and is thus easily deformed until fully compressed. With such a characteristic, anchor bolt arrangement is not necessary to be so precise during installation.

Our fender displays higher energy absorption capacity. It can be mounted on quay walls by means of anchor bolts.







PILE GUIDE

Pile mooring is usually adopted when water level variations are large. The pontoon structure is moored to the piles through pile guides.

JSM's pile guides are designed for mooring all types of pontoon structures. Calculations have been considered for the design of the pile guide. Made from aluminum 6082-T6, desirable attributes are its strong weld connection, low friction UHMWPE wearing blocks/rollers and rubber fenders installed all round. The position of the pile guide is adjustable to suit the piles already driven on site.

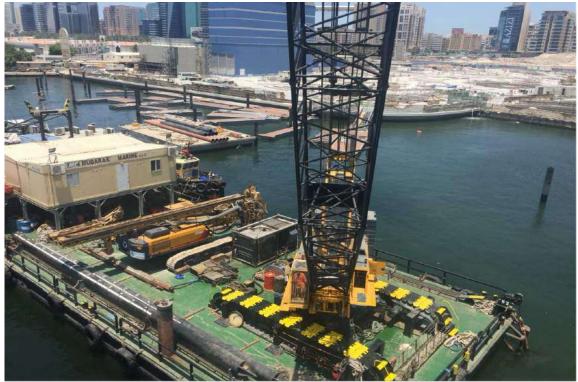


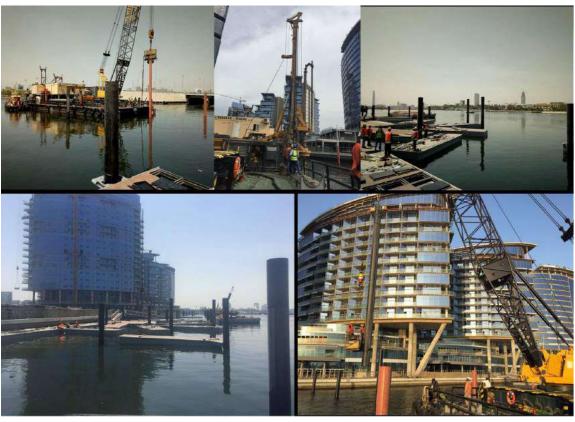






JEWEL OF THE CREEK DEVELOPMENT











Construction of Breakwater, Boat Ramp Dredging And Concrete Pontoon Works





















UMMM AL QUWAIN FISHING HARBOUR AND SLIP WAY WORKS











<u>Construction of Break Water, Boat Ram And Marina For HH Sheikh Butti</u>













ACCOMPLISHED PROJECTS

Area Of Expertise:

- Breakwater Construction
- Mooring & Berthing Dolphins Platform
- Rock Revetment (Marina, Slope Protection, Erosion Protection etc.)
- Onshore & Offshore Installation
- · Cutting, Welding and Installation of Pipeline
- Floating Fishery & Leisure Harbour construction
- Management & Maintenance of Marinas
- Deepening & Widening of Navigation Channels
- · Maintenance Dredging of Fishing & Leisure Harbours
- Seabed Cleansing for Fishing Harbours & Marinas Harbours
- Land Reclamation











Project Details		
Project	Dredging at Reem Island Abu Dhabi	
Client	Capriole Construction Co. L.L.C	



Project Details		
Project	Supply & Installation of 45m Floating marina at Mairina at Ghazlan Island Abu Dhabi	
Client	H.H Sheikh Haza' A Bin Zayed Al Nahyan	











Project Details		
Project	Berthing & Mooring Dolphins at Mina Zayed	
Client	H.H Sheikh Hamdan Bin Zayed Office	



Project Details		
Project	Installation of Tubular Piles for floating Marina at Al Dhabiyah Island	
Client	Crown Prince Office	











Project Details		
Project	Construction of Sheet pile Jetty with Dredging work at Mina Zayed	
Client	U.A.E Armed Forces	



Project Details		
Project	Construction of 600 Ton Travel Lift Facility at Ummul Qawain	
Client	Gulf Craft	



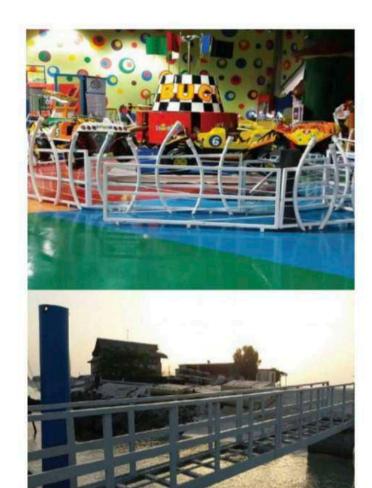






Project Details		
Project	Erection of sides & steel Fence	
Client	Wansa land at Al Wahda Mall, Abu Dhabi	

Project Details		
Project	Gang way Installation	
Client	Al Maya Island, Abu Dhabi	



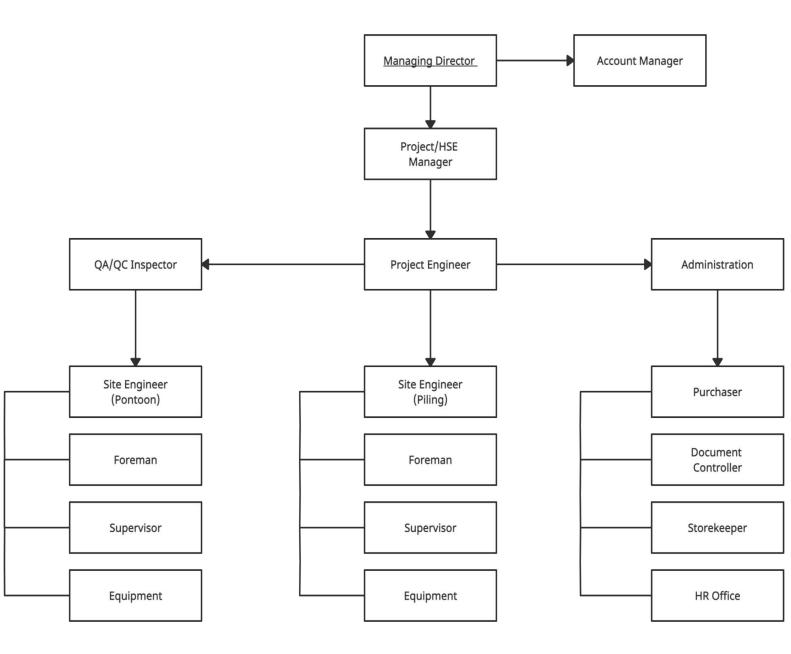








Organization Chart











Parsons Overseas Limited, Oud Metha Road, P.O. Box 9123 | Dubai, U.A.E. **P:** +971.4.402.9700 | **F:** +971.4.336.7920 | www.parsons.com شركة بارسونز اوفرسيز ليمت ، شارع عود ميثاء ، ص.ب. 9123 | دبي ، الامار ات العربية المتحدة

+971.4.336.7920:ف+971.4.402.9700:*-*

Site Office Tel. No.: +971.508999671 E-mail: dppr5009@gmail.com

20 October 2018

Ref: 203/R1141-1/18R003

China Harbour Engineering Co. LLC. 728 Al Sharq St, Sharjah, United Arab Emirates T. +971. 6 .563 0058

Attn: Mr. Wang Changhong, Project Manager

Dear Sir,

Project R1141/1: Sharjah BRT

Marine Works at Sharjah Aquarium & Al Khan

Atrontor's Profile for Floating Pontons Systems Works US

<u>Submittal of Sub-Contractor's Profile for Floating Pontoons Systems Works</u> JSM ENGINEERING & MARINE DESIGN SOLUTIONS

Reference made to Contractor's submittal L.CHEC-MWSAK-PARSONS-001 dated 11-10-2018 same subject above.

Please note submittal mentioned above has been reviewed and found that proposed sub-contractor for the design and construction of floating pontoons systems has the experience and capacity to perform.

Therefore, M/S JSM ENGINEERING & MARINE DESIGN SOLUTIONS is approved under the following conditions:

- 1. Comply strictly to the General and Particular Specifications of the Project.
- 2. Perform in line with Project Program and Milestones.
- 3. Provide necessary warranties.
- 4. Sharjah Roads and Transport Authority approval.

Contractor shall bear in mind that conditional approval granted hereby does not relive the Contractor (Main) of his obligation and liabilities under the current Contract R1141/1 – "Sharjah BRT – Package 1: Marine Works at Sharjah Aquarium and Al Khan".

This is for your information and prompt action.

With best regards,

PARSONS OVERSEAS LIMITED

Ioannis K. Oulasoglou Resident Engineer

Cc:

Dr. Sami Amin, M/s. Roads & Transport Authority – Sharjah

Eng. Ali, M/s. Roads & Transport Authority – Sharjah

Parsons: AD / ET Main Office File



Project:

SHARJAH-BRT MARINE WORKS AT SHARJAH AQUARIUM AND AL KHAN

Client:

SHARJAH ROADS AND TRANSPORT AUTHORITY (SRTA)

Consultant:

PARSONS

Contractor:

CHINA HARBOUR ENGINEERING CO.(SHJ). L.L.C.

Ref.No.: L.CHEC-MWSAK-003

Date:

03/06/2019 Page:

age:

To:

Jessie Managing Director

Tel:

04-4029700

Fax:

04-3367920

JSM Engineering & Marine Design

CHEC Tel:

06-5751840

CHEC Fax:

06-5751841

Completion & Handover Certificate Floating Pontoons Systems Works - Ferry Terminal

Dear Sir

This is to certify that M/S JSM Engineering & Marine Design has completed and handed over the Pontoon Systems Works for the Ferry Terminal successfully.

JSM Engineering has complied and provided all the materials to the required standards and the works were carried out in a fully operational environment. The team demonstrated cooperation in all aspects of the project and the works are believed to be completed as per the agreed scope of work.

Aside from the above formalities, China Harbour would like to take this time to show our appreciation to your team on site for their hard work and efforts during the project.

We look forward to working with JSM Engineering on future projects.

Best Regards!

Wang Changhong

Project Manager

J. 19. 06.03.

JSM Engineering & Marine Design P.O. Box 73426 Sharjah, UAE

Date: 16 July 2021

Attention: Ms. Jessie Richard— Managing Director

Subject: Letter of Appreciation & Completion Certificate

Project Name: Supply Concreate Marina Pontoon System In RAS Al Gurab Abu Dhabi

Dear Ms Jessie.

1) We would like to thank you for the great work and efforts that you and your team have diligently shown in relation to successfully completing the projects in Abu Dhabi from 3rd November 2020 till 16th July 2021 for the following projects:

2) In that regard, we enclosed the signed off Completion Certificate for your perusal. We will be inviting you to bid for the marina works of our upcoming projects.

We are looking forward to working with you once again in the near future and we are also at your disposal in case you require anything from us.

Yours sincerely

General Manager Company Name



Port Construction, Pilling Works, Beach Works & Marine Rock Protections, Offshore Pipeline Installation Derdging and Reclarnation, Diving and Underwater Supports, Floating Marinas and Aids to Navigation

PROJECT COMPLETION & HANDOVER CERTIFICATE

Date:

22th March 2021

Our Ref:

JSM-HBCL-03152022

Client:

Harbour Building Construction Co. LLC

Address:

Sharjah, UAE, Tel.No: 06-5033333, 06-562455

Project Name: SUPPLY OF MATERIALS - PORT KHALIFA

Dear Sir,

We would like to officially confirm that all materials and works have been delivered and carried out for the above project by JSM Engineering as per the scope of works highlighted in our reference, HBCL-03152022 dated 22 - 03- 2021 and was handed over with all the necessary inspections and documents signed off successfully.

Harbour Building Construction Co. LLC would like to take the time to show our appreciate to your team and Ms. Jessie for their assistance and cooperation during the project and look forward to working with them on our future projects.

Kind Regards

Submitted by:

JSM Engineering & Marine

Accepted by:

Harbour Building Construction Co.LLC

Name: Jes

Name: Luo Qingjie

Deputy Project Manager

PROJECT COMPLETION & HANDOVER CERTIFICATE

Date:

15th March 2022

Our Ref:

JSM-SRTA-INV-03152022-01

Client Ref:

LPO Number: 57425

Client:

Roads & Transport Authority, Government of Shariah

Address:

Sharjah, UAE, Tel.No: 06-5033333, 06-562455

Project Name: SUPPLY AND INSTALLATION OF ALUMINIUM PLATFORM AT SHUROOQ-SHARJAH

Dear Sir,

We would like to officially notify Roads & Transport Authority, Sharjah that's all materials and works have been delivered and carried out as per the scope of works highlighted in your order reference, LPO 57425 dated 12 - 14 - 2021 and the project is ready for handover with all the necessary inspections and documents signed off and handed over to Roads & Transport Authority, Sharjah representative.

Whilst the works are believed to be completed as per the agreed scope of works, this letter does not exempt JSM Engineering & Marine Design and if any issues, we kindly request you to officially notify us in writing of the same. Once confirmed and agreed upon, JSM Engineering will send suitable staff to rectify the concerned issues and complete it in a timely manner.

Aside from the above formalities, I would like to take the time to show our appreciate to your team on site for their assistance and cooperation during the project and look forward to possibly working with them on future projects.

Kind Regards

Submitted by:

JSM Engineering & Marine

Jessie Richard/M.D.

Accepted by:

Roads & Transport Authority, Sharjah

Mama.



Post Box 79801 Dubai, U.A.E. Tel: 04 333 0121, Fax: 04 333 0757 E-mail: royalarab@gmail.com

Ref.: RA/L/2404-1/20 Date: 14.07.2020

To Whom It May Concern:

This is to confirm that M/s JSM Engineering and Marine Design, Post Box 73426, Sharjah, United Arab Emirates, has been involved in our following project as our marine works subcontractor and they have completed their assigned works in a professional manner within the time frame. We are delighted to work with them again in our future projects:

- Seawater Jetty – Phase 1, Emirates Steel Industries, Abu Dhabi

Best Regards,

for Royal Arab Metal Works L.L.C.

لملكنة العربية للأعمال المعدنية (ش.ذ.م.م)

P.O.Box: 79801 DUBAI - U.A.E.

Sundar Rajan Arjunan

Director – Business Develpoment 055 671 8875 / 050 7128996







United Arab of Emirates

ICA FEDERAL AUTHORITY FOR IDENTITY & CITIZENSHIP / RAS AL KHIMAH



دولة الإمارات العربية المتحدة الهيئة الاتحادية للهوية والجنسية والجمارك

ia at ... i .

الهيئة الاتحادية للهوية والجنسية / رأس الخيمة

بطاقة منشأة

رقـم : 169372/8

الاسم : راكز / جي اس ام اينجينيرينغ اند مارين ديزاين سوليوشنز م م ح

Name: RAKEZ JSM ENGINEERING AND MARINE DESIGN SOLUTIONS FZE

النشاط و استشارات هندسة المساحة البحرية

الفئية

المدير التنفيذي للاقامة وشؤون

31/10/2018

تاريخ الإصدار

الاجانب

30/10/2022

تاريخ الانتهاء

التوقيع	الصفة	الإسم	الرقم
	مخول بالتوقيع	مريم حمد محهد ضبعون	417545
- Lawrence		المسافر ي	
A	مخول بالتوقيع	احمد على احمد سويد الشحى	405195











رخصة خدمية SERVICES LICENCE

LICENCE NO 47001519 رقم الرخصة

TYPE Freezone منطقة حرة التصنيف

LEGAL TYPE الشكل القانوني Free Zone Establishment - FZE مؤسسة منطقة حرة

LICENSEE Jesintha Ramamoorthy صاحب الرخصة جيسينثا رامامورثي

OPERATING NAME JSM ENGINEERING AND MARINE DESIGN SOLUTIONS

الاسمالتحاري

جي إس إم إينجينيرينغ آند مارين ديزاين سوليوشنز م.م.ح

العنوان **ADDRESS** FDBC0098 FDBC0098

> Compass Building, ,مركز كومباس للأعمال

> Al Shohada Road, ,شارع الشهداء

AL Hamra Industrial Zone-FZ, ,منطقة الحمرا الصناعية - منطقة حرة Ras Al Khaimah, United Arab Emirates

رأس الخيمة ,الإمارات العربية المتحدة

ACTIVITY النشاط Marine Projects Engineering Consultancy هندسة المشروعات البحرية

MANAGER Jesintha Ramamoorthy جيسينتا رامامورتى المدير

ISSUE DATE 31-10-2018 تاريخ الإصدار

EXPIRY DATE 30-10-2022 تاريخ الإنتهاء

على المرخص له الحصول على كافة الموافقات اللازمة من REMARKS The Licensee must obtain the required approvals

> from the UAE Competent Government Authorities, as الجهات الحكومية المختصة في دولة الإمارات العربية

applicable. ملاحظات المتحدة حسب الإقتضاء.







العنوان المسجل

شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة Certificate of Registration for Value Added Tax in the United Arab Emirates

The Federal Tax Authority certifies that the entity below is a registered person for Value Added Tax in the UAE

تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الامارات العربية المتحدة

الاسم القانوني الكامل باللغة العربية جي إس إم إبنجينيرينغ اند مارين ديزاين سوليوشيز Full Arabic legal name

<u>م.م.ح.</u>

Full English legal name <u>JSM Engineering and Marine Design Solutions</u> الاسم القانوني الكامل باللغة الانجليزية

FZE

Registered address <u>VIII, Al Taawun, Rasalkhaimah, Rasalkhaimah,</u>

Ras Al-Khaimah, United Arab Emirates, 73426,

+971509175287

Tax Registration Number <u>100312037300003</u> يوم التسجيل الضريبي

فترة أول إقرار لضريبة القيمة المضافة <u>01 May 2019 - 31 Jul 2019 and quarterly</u> فترة أول إقرار لضريبة القيمة المضافة

thereafter

تاريخ استحقاق إقرار ضريبة القيمة المضافة <u>28 Aug 2019</u> تاريخ استحقاق إقرار ضريبة القيمة المضافة

Relia of Tax periods: 1 Feb to 30 Apr, 1 May to 31 July, 1 Aug to 31 الضريبية ونهاية الفترات الضريبية على Start and end dates of Tax periods: 1 Feb to 30 Apr, 1 May to 31 July, 1 Aug to 31

Oct, 1 Nov to 31 Jan

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please check that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number.































JSM Engineering & Marine Design Solutions FZE

Contacts: Ms. Jessie Richard

Head office: RAK – United Arab Emirates

Mobile: 00971509175287

Email: jsmengineeringmds@gmail.com

China Office:

Address: Room 8B Fuchang Building, Futian Area, Shenzhen City, China.







