



MKAR SUKSES (M) SDN BHD
(1091372-V)

Company Profile

*"Driving Malaysia's growth with
world-class GRP solutions and
trusted expertise."*



Table of **Content**

- 1. Introduction**
- 2. Company Information**
- 3. Legal Advisor**
- 4. Certifications & Licenses**
- 5. Vision & Mission**
- 6. Experience & Competency**
- 7. Organization Chart**
- 8. Reference Projects**
- 9. Global Experience with Spacepro**
- 10. Introduction to GRP Products**
- 11. GRP Technical Specifications**
- 12. Comparison: GRP vs Steel Pipes**
- 13. Advantages of GRP Pipes**
- 14. Long-Term Cost Savings**
- 15. Technical Support & Services**
- 16. Contact Us**

Company **Introduction**

MKAR Sukses (M) Sdn Bhd, a wholly Bumiputera-owned company established in 2014, is a trusted solutions provider in the Oil & Gas, Construction and Piping industries.

In collaboration with Spacepro Co., Ltd. (formerly Hankuk Fiber Co., Ltd.), a global leader in GRP piping systems since 1972, the company supplies advanced GRP solutions that are corrosion-resistant, cost effective, and compliant with international standards.

By combining local expertise, skilled manpower, and world-class technology, MKAR Sukses is committed to driving industrial growth and supporting Malaysia's infrastructure development.

Company Information

- Company Name: MKAR Sukses (M) Sdn Bhd
- Company Registration No.: 1091372-V
- Ownership Status: 100% Bumiputera-Owned
- Date of Incorporation: 29 April 2014
- Incorporated Under: Companies Act 1965

Headquarters (Registered Office):
No. 8, 1st Floor, Jalan Air Putih,
24000 Chukai, Kemaman,
Terengganu, Malaysia.

Operations Office & Store:
Portion D2 (Lot 9228),
Borang K, Mukim Kajang,
43100 Hulu Langat, Selangor.

- Core Business Areas: Oil & Gas, Construction,
Piping Industry



Legal **Advisor**

SHAIK AZRIN & Co.

Representative:

Shaik Azrul Shaik Daud
Advocate & Solicitor

Office Address:

F-2-12, Perdana Shopping Centre
No. 15, Jalan PJU 8/1, Damansara Perdana
47820 Petaling Jaya, Selangor, Malaysia

Contact Information:

Tel: +603-7725 5739
Mobile: +6019-699 2428
Email: shaikazrin@gmail.com

Certifications & Licenses





LESEN MEMBEKAL PERALATAN/MEMBERI PERKHIDMATAN KEPADA SYARIKAT-SYARIKAT CARIGALI DAN PENGELUAR MINYAK/GAS DI MALAYSIA

Pada menjalankan kuasa-kuasa yang diberi oleh Seksyen 7, Akta Kemajuan Petroliaim, 1974 dan mengikut Peraturan 5, Peraturan-Peraturan Petroliaim,1974, yang diawakikan kepada saya oleh YAB Perdana Menteri Malaysia, saya dengan ini mengeluarkan lesen dibawah Peraturan 3, Peraturan-Peraturan Petroliaim ini bagi tujuan di atas kepada:

Tarikh Dicetak: 07.11.2019

MKAR SUKSES (M) SDN.BHD. (1091372-V)
15711 PT 18488 JALAN KUANTAN-KEMAMAN
24000 KEMAMAN
TERENGGANU

Butir-butir Lesen adalah seperti berikut:-

Nombor Syarikat : 1091372-V
Jenis Syarikat : LESEN
Tempoh Sah Lesen : 23.08.2017 - 22.08.2020
Yuran Lesen : RM 750
Bidang pembekalan/perkhidmatan : Seperti di Lampiran 'BIDANG-BIDANG LESEN / PENDAFTARAN'.

Syarat-syarat Khas yang dikenakan ke atas Lesen ini:-

Tertakluk kepada syarat khas seperti di lampiran berkaitan.

Syarat-syarat Am Lesen ini adalah seperti yang tercatat di halaman seterusnya.

Peringatan: Pemegang Lesen Hendaklah Memohon Pembaharuan Lesen Tiga (3) Bulan Sebelum Tarikh Tamat Lesen.
Siji ini dicetak oleh komputer dan tandatangan pihak Petronas tidak diperlukan.

Muka Surat 1/3



NAMA SYARIKAT : MKAR SUKSES (M) SDN.BHD. (1091372-V)
NO LESEN : 1091372-V
TEMPOH SAH LESEN : 23.08.2017 - 22.08.2020

BIDANG-BIDANG LESEN / PENDAFTARAN					
BIDANG-BIDANG LESEN YANG DILULUSKAN					
(Approved License Categories)					
L/R/PROVISIONAL	Kod Perkhidmatan / Bekalan (Service / Supplier Code)	Bentuk Operasi (Mode of Operation)	Nama Prinsipal (Jika Berkaitan)	Tarikh Lulus / Masa	Tarikh Tamat
LICENSE	PL1080500 PIPES-NON METALLIC PIPES-NON METALLIC PIPES	AGENT	HANKUK FIBER CO., LTD	08.11.2017 13:58:53	22.08.2020
LICENSE	PM1020000 MECHANICAL-CHEMICAL INJECTION SKID	AGENT	DECATECH CORPORATION	17.10.2019 18:32:21	22.08.2020
LICENSE	PM1080100 MECHANICAL-FILTERS ELEMENTS AND ACCESSORIES-PROCESS FILTER	AGENT	DECATECH CORPORATION	17.10.2019 18:32:21	22.08.2020
LICENSE	PM1080501 MECHANICALS-FILTERS ELEMENT AND ACCESSORIES-WATER FILTER-CATRIDGE FILTER	DEALER	NOT APPLICABLE	15.10.2019 20:58:03	22.08.2020
LICENSE	PM1190700 MECHANICALS-WATER TREATING EQUIPMENT-EFFLUENT TREATMENT SYSTEM SPARE PARTS AND COMPONENTS	DEALER	NOT APPLICABLE	15.10.2019 20:58:03	22.08.2020
LICENSE	PM1260100 MECHANICAL-WATER MAKER/DESALINATION-REVERSE OSMOSIS	AGENT	DECATECH CORPORATION	17.10.2019 18:32:21	22.08.2020
LICENSE	PM1270100 MECHANICAL-PIPE FITTINGS-NON-METAL FITTINGS&FLANGES	AGENT	HANKUK FIBER CO., LTD	08.11.2017 13:58:54	22.08.2020
LICENSE	SM4030900 MANPOWER SUPPLY-SPECIALIST PIPELINE	SELF-OPERATED	NOT APPLICABLE	23.08.2017 00:58:07	22.08.2020
LICENSE	SP1040105 PIPELINE & ASSOCIATED SERV-PIPELINE MAINTENANCE-PIPELINE CLEANING, INSPECTION & REPAIR-PIPELINE INSPECTION & REPAIR-OFFSHORE PIPELINE INSPECTION&REPAIR	SELF-OPERATED	NOT APPLICABLE	23.08.2017 00:58:04	22.08.2020

*** TAMAT ***

Siji ini dicetak oleh komputer dan tandatangan pihak Petronas tidak diperlukan.

Muka Surat 3/3



SIRIM Certification

GRP pipes supplied by MKAR Sukses through its strategic partner Spacepro Co., Ltd. are registered with SIRIM QAS International under:

- Registration No.: PCO16299
- Standard Compliance: ISO 23856:2021

This certification confirms compliance with international requirements for:

- Material and structural quality
- Resistance to pressure and corrosion
- Safety in water supply, drainage, and sewerage systems
- Long-term reliability for both pressure and non pressure applications



SERIM QAS INTERNATIONAL SDN. BHD.

11th, 12th Floor, Wisma 47, 47100, Kuala Lumpur, Malaysia

1, Persiaran Ekor Hutan, Seksyen 11, Blok Suite 1010, 47100, Puchong Jaya, Selangor, Malaysia
Tel: 603-2514 8000 Fax: 603-2514 8001 Email: service@serimqas.com www.serimqas.com.my

File No : PS-021452
Licence No : PC015299

Date : 08/10/2025

SPACEPRO CO., LTD.
85 CHUNSWA-RO, DUBUK-MYDOW
50403 MBYANG-SI
GYONGSANGNAM, KOREA

Attn : MR. HUI KIM

Tel No : 8210-40003264
Fax No : -

Dear Sir/Madam,

Product Certification Licence

Product : GLASS-REINFORCED THERMOSETTING PLASTICS (GRP) PIPING SYSTEMS FOR PRESSURE AND
NON-PRESSURE DRAINAGE AND SEWERAGE
Standard : ISO 23856 : 2021

With regards to your request for renewal/replacement of license(s) under the SERIM Product Certification Licence scheme, enclosed please find the copy of the license(s) and the certification report(s) for your safe keeping.

For enquiry, please contact

Officer Name : WAN NABILAH BT JUAN
Contact No : 63-05446933
Email : wafa@serim.my

Thank you.

This is a computer generated document. No signature is required.

SPAN Registration

- Application No.: 10/A/W-024727
- Certificate No.: SPAN/BPAI/1383-2025

Registered with the National Water Services Commission (SPAN), demonstrating compliance with the Water Services Industry Act 2006 (Act 655) and confirming the company's eligibility to undertake water-related infrastructure projects in Malaysia.



NO. SIJIL (Certificate No.)
SPAN/BPAI/1383-2025

SURUHANJAYA PERKHIDMATAN AIR NEGARA

SIJIL PENDAFTARAN PEMBEKAL

(SUPPLIER REGISTRATION CERTIFICATION)

Adalah dengan ini diperakui bahawa syarikat seperti yang tercatat di bawah telah berdaftar dengan Suruhanjaya Perkhidmatan Air Negara bagi kegunaan industri perkhidmatan air di negeri-negeri Semenanjung Malaysia serta Wilayah Persekutuan Putrajaya dan Labuan sahaja.

(This is to certify that the following company have been registered with Suruhanjaya Perkhidmatan Air Negara to be used in the water services industry in Peninsular Malaysia and Federal Territory of Putrajaya and Labuan only.)

No. Rujukan Pendaftaran (Reference of Registration No.)	:	10/2025/0202/AW-12
Alamat Syarikat Pembekal (Name and Address of Supplier)	:	MKAR SUKSES (M) SDN. BHD., 526, BLOCK A, KELANA CENTRE POINT, NO. 3, JALAN SS7/19, KELANA JAYA, PETALING JAYA SELANGOR 47301 PETALING JAYA, SELANGOR DARUL EHSAN

MAKLUMAT PRODUK ATAU SISTEM (PARTICULARS OF PRODUCT OR SYSTEM)

Kategori (Category)	:	A - WATER FITTINGS
Nama Produk atau Sistem (Product or System Name)	:	GLASS REINFORCED PLASTIC (GRP) FITTINGS
Perihal Produk atau Sistem (Product or System Description)	:	Model - Siri: Rujuk perincian model dan spesifikasi di lampiran
Jenama (Brand Name)	:	SPACEPRO
Piawai (Standard)	:	BS EN ISO 23856: 2021
Kegunaan (Application)	:	SISTEM BEKALAN AIR
Nama dan Alamat Pembuat (Name and Address of Manufacturer)	:	SPACEPRO CO., LTD., 85 CHUNHWA-RO, BUBUK-MYEON 50403 MIRYANG-SI GYEONGSANGNAM-DO, REPUBLIC OF KOREA, KOREA, REPUBLIC OF
Nama dan Alamat Prinsipal (Name and Address of Principal)	:	SPACEPRO CO., LTD., 85 CHUNHWA-RO, BUBUK-MYEON 50403 MIRYANG-SI GYEONGSANGNAM-DO, REPUBLIC OF KOREA, KOREA, REPUBLIC OF
Sah Sehingga (Valid Until)	:	30 OCT 2028

Sijil yang dikeluarkan adalah tertakluk kepada SYARAT-SYARAT AM (Bahagian A) dan SYARAT-SYARAT KHUSUS (Bahagian B).
(The Certificate issued is subject to the GENERAL CONDITIONS (Section A) and SPECIFIC CONDITIONS (Section B).)



(DATO' HJ. AHMAD FAIZAL BIN ABDUL RAHMAN)
KETUA PEGAWAI EKSEKUTIF
Suruhanjaya Perkhidmatan Air Negara (SPAN)

Tarikh Dikeluarkan
(Issue Date) : 24 OCT 2025



LAMPIRAN

No Fail : 10/2025/0202/A/W-12
 No. Sijil : SPAN/BPAI/1383-2025
 Tarikh : 24 OCT 2025



SENARAI PRODUK YANG DIBEKALKAN

PEMBEKAL : MKAR SUKSES (M) SDN. BHD.
 526, BLOCK A, KELANA CENTRE POINT,
 NO. 3, JALAN SS7/19, KELANA JAYA,
 PETALING JAYA SELANGOR
 47301 PETALING JAYA,
 SELANGOR DARUL EHSAN

PRODUK : GLASS REINFORCED PLASTIC (GRP) FITTINGS

Model-model yang diluluskan oleh SPAN adalah seperti di bawah

No	Model	Series/Rating	Type/Size/Description
1	PIPE (RTRP)	A / PN21	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000 AND SN10000. PRESSURE (PN) : PN4, PN7, PN10, PN16 AND PN21. TYPE : SERIES A. SIZE : DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.
2	PIPE (RPMP)	A / PN16	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000 SN10000 AND DN20000. PRESSURE (PN) : 4, 7, 10 AND 16. TYPE : SERIES A. SIZE : NOMINAL SIZE (MM): DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.
3	BEND (RTRP)	A / PN21	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN4000, SN5000, SN8000, SN10000 AND SN12500. PRESSURE (PN) : PN7, PN10 PN16 AND PN21. TYPE : SERIES A. SIZE : NOMINAL SIZE (MM): DN25, DN32, DN40, DN50, DN63, DN75, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN375, DN400, DN450, DN500, DN600, DN700, DN750, DN800, DN900,

			DN1000, DN1100, DN1200, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400 AND DN3500.
4	BEND (RPMP)	A / PN16	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000, SN10000 AND SN20000. PRESSURE (PN) : PN1, PN10 AND PN16. TYPE : SERIES A. SIZE : NOMINAL SIZE (MM): DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.
5	BRANCHES (RTRP)	A / PN21	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000 AND SN10000. PRESSURE (PN) : PN4, PN7, PN10, PN16 AND PN21. TYPE : SERIES A. SIZE : NOMINAL SIZE (MM): DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.
6	BRANCHES (RPMP)	A / PN16	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000, SN10000 AND SN20000. PRESSURE (PN) : PN1, PN4, PN7, PN10 AND PN16. TYPE : SERIES A. SIZE : NOMINAL SIZE (MM): DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.
7	REDUCER (RTRP)	A / PN21	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000 AND SN10000. PRESSURE (PN) : PN4, PN7, PN10, PN16 AND PN21. TYPE : SERIES A. SIZE : NOMINAL SIZE (MM): DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.
8	REDUCER (RPMP)	A / PN16	SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000, SN10000 AND SN20000. PRESSURE (PN) : PN1, PN4, PN7, PN10 AND PN16.

			<p>TYPE : SERIES A.</p> <p>SIZE : NOMINAL SIZE (MM): DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.</p>
9	NON PRESSURE SADDLE (RPMP)	A / PN1	<p>SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000, SN10000 AND SN20000.</p> <p>PRESSURE (PN) : PN1.</p> <p>TYPE : SERIES A.</p> <p>SIZE : NNOMINAL SIZE (MM): DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.</p>
10	FLANGES (RTRP)	A / PN21	<p>SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000 AND SN10000.</p> <p>PRESSURE (PN) : PN4, PN7, PN10, PN16 AND PN21.</p> <p>TYPE : SERIES A.</p> <p>SIZE : MINAL SIZE (MM): DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, N350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.</p>
11	FLANGES (RPMP)	A / PN16	<p>SERIES A / DN250 / RATING : NOMINAL STIFFNESS (SN) : SN2500, SN5000, SN10000 AND SN20000.</p> <p>PRESSURE (PN) : PN1, PN4, PN7, PN10 AND PN16.</p> <p>TYPE : SERIES A.</p> <p>SIZE : DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN550, DN600, DN650, DN700, DN750, DN800, DN850, DN900, DN950, DN1000, DN1050, DN1100, DN1150, DN1200, DN1250, DN1300, DN1350, DN1400, DN1500, DN1600, DN1650, DN1700, DN1800, DN1900, DN2000, DN2100, DN2200, DN2300, DN2400, DN2500, DN2600, DN2700, DN2800, DN2900, DN3000, DN3100, DN3200, DN3300, DN3400, DN3500, DN3600, DN3700, DN3800, DN3900 AND DN4000.</p>



PRODUCT LISTING

NO.	APPLICATION USE	PRODUCT	TYPE	SUB TYPE	BRAND	MODEL	APPLICATION TYPE	APPLICATION DATE	STATUS	TYPE
1	10/A/W-024727	GLASS REINFORCED PLASTIC (GRP) FITTINGS	NA	NA	SPACEPRO	PIPE (RTRP), PIPE (RPMP), BEND (RTRP), BEND (RPMP), BRANCHES (RTRP), BRANCHES (RPMP), REDUCER (RTRP), REDUCER (RPMP), NON PRESSURE SADDLE (RPMP), FLANGES (RTRP), FLANGES (RPMP)	SEWERAGE	15/10/2025	REGISTERED	NA

SHOWING 1 TO 1 OF 1 ENTRIES

SHOW ENTRIES

PREVIOUS 1 next



Vision & **Mission**

Visio

To be a high performing and successful company that contributes to Malaysia's construction and water infrastructure development through advanced technology, certified GRP piping systems and high-quality products.

Mission

- To collaborate with Spacepro Co., Ltd., one of Asia's largest GRP suppliers, in delivering a proven range of GRP products with superior quality and performance.
- To support the Malaysian Government's initiatives in strengthening national water infrastructure by providing GRP piping systems fully compliant with SPAN, SIRIM and ISO standards.
- To ensure long-term reliability, safety, and sustainability in every project, thereby contributing to national industrial growth and public well being.





Experience & **Competency**

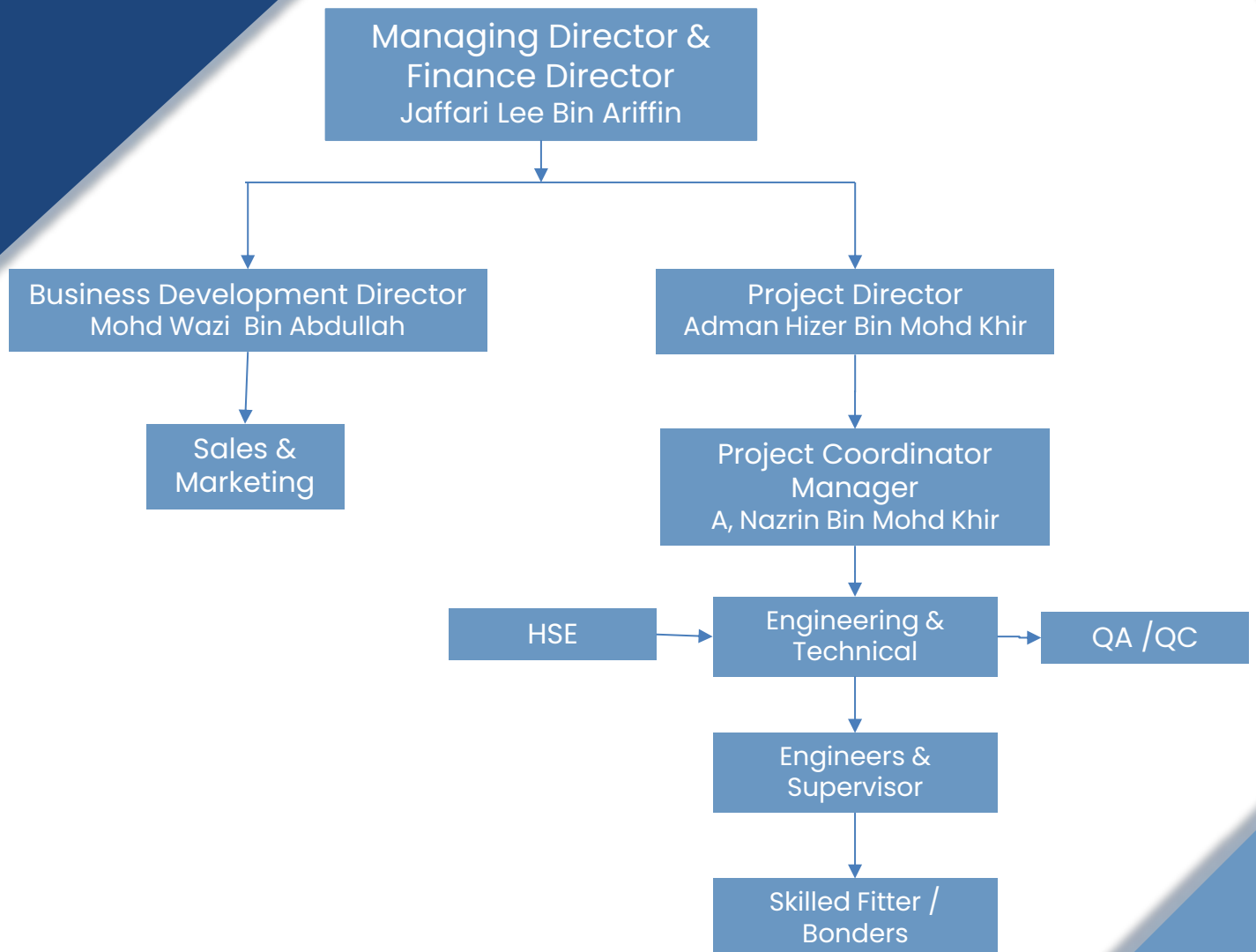
MKAR Sukses was established as a strategic partnership to venture into the Oil & Gas and Construction sectors, with a primary focus on the piping industry.

Our team comprises experienced professionals in civil, mechanical, electrical, chemical, and project management fields. With this expertise, MKAR has built a strong reputation and credibility in the industry, capable of managing and coordinating projects efficiently while earning client trust.

Organization Chart



MKAR SUKSES (M) SDN BHD
(1091372-V)



Reference Projects

- RAPID-PCP Cogen Plant – URA Effluent Discharge
(Client: PETRONAS / MMC-Siemens) – Completed Feb 2017
- RAPID Package 16 (WMJV) GRE Piping Works
(Client: PETRONAS / WMJV) – Completed Feb 2017
- LNG Regasification Facilities (RGT2 Terminal)
(Client: PETRONAS) – Completed Apr 2017
- Package 22 Tank Farm
(Client: PETRONAS) – Completed Oct 2017
- RAPID-OUI Package 14-0702 (CHEC)
(Client: PETRONAS / CHEC) – Completed Dec 2017
- RAPID-EPC Phase PCU-C3 Unit 3215 Package 27 –
Flexi HDPE Plant
(Client: PETRONAS / Technimont) – Ongoing

Global Experience

with SPACEPRO

1. South Korea

- Shin-Hanul Nuclear Power Plant Units 1–4
- Sae-ul Nuclear Power Plant Units 5–6
- Coal & gas power plants utilizing seawater cooling systems

2. Vietnam

- Vietnam LNG Terminal
- Industrial power plant & water infrastructure projects

3. Middle East

- UAE Ruwais LNG Project (USD 5.5 billion mega project using GRP cooling & seawater piping systems)
- Iraq water & energy infrastructure projects, including floating LNG platform at Khor al-Zubair
- Saudi Aramco & GCC projects: GRP systems for gas plants & industrial cooling

4. Other Asia

- Power plants & LNG terminals in Japan & China using GRP for cooling water and industrial pipelines

"Spacepro's GRP technology has been proven in critical projects across Asia, the Middle East and worldwide now brought to Malaysia through MKAR SukSES."



MKAR SUKSES (M) SDN BHD
(1091372-V)

GRP Product Introduction



Product: Glass Reinforced Plastic (GRP) Pipes
Manufacturer: Spacepro Co., Ltd. (formerly Hankuk Fiber Co., Ltd.)
Range: GRP Pressure Pipes, Non-Pressure Pipes, Fittings & Accessories



Structure of Manhole		Construction Case	
Material	Description	Type	Standard Dimension
Cover	Cast Iron Cover	Type 1	DN 900 mm x H 1.35 m, Apprx. 1390 kg
Upper & Under Slab	Concrete Structure	Type 2	DN 1200 mm x H 2.1 m, Apprx. 2390 kg
Ladder	FRP (Fiberglass Reinforced Plastic)	Type 3	DN 1500 mm x H 2.1 m, Apprx. 4410 kg
Body	GRP (Glass-fiber Reinforced Plastic) Pipe	Type 4	DN 1800 mm x H 2.6 m, Apprx. 7160 kg
Connection Pipe	GRP Pipe or Other Pipe	Type 5	DN 2100 mm x H 3.1 m, Apprx. 10560 kg

Classification	GRP Manhole	Prefabricated Manhole	Cast In place Manhole
Figure			
Weight (Except upper slab)	Type 1: 960 kg (DN 900 x H 1.35m) Type 2: 1650 kg (DN 1200 x H 1.35m)	Type 1: 1532 kg (DN 900 x H 1.35m) Type 2: 2042 kg (DN 1200 x H 1.35m)	Type 1: 2707 kg (DN 900 x H 1.35m) Type 2: 3320 kg (DN 1200 x H 1.35m)
Construction Time	1~2 hours , Inclusive of backfill after installation	5~6 hours , except Mortar Curing	6~7 days , Inclusive of Concrete Curing
Subaqueous Installation	Possible	impossible	impossible
Compressive Strength	80 MPa	16~21 MPa	16~21 MPa
Features	It has the advantage of being light in weight and easy to construct , there is no leakage , and the construction of one manhole can be completed in 1 to 2 hours. In addition, it can be used for a long time without special Maintenance, such as having excellent corrosion resistance .	It can be manufactured and installed by the PC method at a factory or a nearby construction site , but there is a risk of damage during transportation due to its heavy weight.	Although there are many construction examples and it is a widely used method, it takes a long time to cure after construction . The quality of construction shows a big difference depending on the skill level of the workers, and, there are many difficulties in maintenance.



GRP Technical Specifications

Parameter	Specification
Nominal Diameter	DN 100 – DN 4000
Operating Pressure	Up to 32 bar
Nominal Stiffness (SN)	SN2500, SN5000, SN10000
Joint Types	Coupling, Flange, Bell & Spigot
Standards	ASTM D3262, ISO 10467, AWWA C950
Material	Polyester resin reinforced with fiberglass



GRP vs Steel Pipes

Aspect	Steel Pipes	GRP Pipes
Corrosion	Easily affected, requires coating	Naturally resistant
Biofouling	High	Low
Lifespan	15–20 years	>50 years
Maintenance	High	Low
Operating Cost	High	Low

"GRP: Lighter, Longer-Lasting, More Cost-Efficient."

Advantages of **GRP Pipes**

- ✓ Excellent resistance to corrosion and chemicals
- ✓ Lightweight with high strength to weight ratio
- ✓ Service life exceeding 50 years
- ✓ Low maintenance and cost-saving
- ✓ Suitable for both underground and above-ground applications

Long Term **Cost Savings**

- ✓ Lower installation costs
- ✓ Reduced operating & pumping costs
(smooth surface, less friction)
- ✓ Minimal maintenance expenses
- ✓ Strong long-term investment value

"From Cost to Value – GRP Makes the Difference."



Technical Support & Services

MKAR Sukses (M) Sdn Bhd provides comprehensive technical support to ensure every GRP piping system implementation runs smoothly, safely and in compliance with standards.

Our services include:

- Technical consultation & GRP system design
- Certified and experienced installation teams
- On-site hydrostatic testing & quality inspection
- Technical documentation & after-sales support
- Training on installation methods & international standards compliance (ASTM, ISO, AWWA)

Contact Us



MKAR SUKSES (M) SDN BHD
(1091372-V)



+6011-3920 3862



mkar.marketingteam@gmail.com



OPERATION OFFICE & STORE
*Portion D2 (lot 9228)
Borang K, Mukim Kajang,
43100 Hulu Langat,
Selangor .*

