

TKR

Engineering

ABOUT US

INTRODUCTION

Incorporated in 2019, TKR Engineering Sdn Bhd is a newly formed company under Misarma Enterprise Sdn Bhd. We are committed to quality, cost-effectiveness and effective delivery. Our business started by doing supply to the oil & gas industry, we then moved to the maritime industry; the upstream and downstream clients and then on to industrial supplies on shore.

TKR Engineering is formed to focus on the engineering industry and allow more efficient project management and services.

We recognize our customer's needs for convenience, non-time consuming purchase and on-time delivery of supplies at a competitive price.

TKR headquarters is located at a wholly owned-private wharf of the affiliate company Misarma Marine Sdn Bhd. The Misarma Marine wharf has a length of 140 metres and 3 metres minimum alongside depth and is located alongside Baong River which is also known as Miri River.

This river serves as the main route for cargo vessel to gain entry and exit and plays a major role as a transit for trans-loading operation, berthing, repair and maintenance services and other related matters to shipping industries



ABOUT US

VISION

Aspires as a preferred services partner in oil & gas and mining industry by delivering world-class standard services, reinforcing worldwide corporate alliances and upholding top-tier quality and ethical standards as the firm's backbone of progressive growth.

MISSION

Providing tradition of excellent services exceeding our clients' expectations and being recognized locally and abroad through:

- i. **Building robust client loyalty** - Generate a loyal customer base via integration with client-driven alliances.
- ii. **Empowering effective corporate communication** - Develop Collaborative communication networking channels to inspire and mobilize all company resources at hand to reach out for their full potential.
- iii. **Endorsing proactive planning** - Designing the blueprint for future development and secure sustained strategic re-positioning to effectively maneuver the rapidly fluctuating global, regional and local market conditions.



METAL STRUCTURE DESIGN & FABRICATION ENGINEERING

TKR Engineering is Specialised in Structure Steel Fabrication and Installation

QA/QC Services

Assure the quality of all your assets, from marine equipment to steel structures, and ensure compliance with relevant regulations, contractual specifications, and highest quality standards with our Quality Assurance and Quality Control or QA/QC Fabrication follow-up services.

Our expertise lies in delivering Quality Assurance and Quality Control services such as fabrication follow-up, third party witnessing, and inspection of marine equipment, steel and concrete structures to oil and gas industry and a wide array of markets.



Steel Structure Fabrication

Our company have invested in high tech CNC machineries to increase production efficiency, productivity, and accuracy in structural steel products fabrication. We own a CNC machine, high-tech drilling machine, plasma cutting machine, arc welding machine, and software for drawing.



Blasting & Painting Works

We have in-house painting specialist team to ensure top blast and paint quality in the market that complies with the major Oil & Gas industry standard requirements.



Engine Servicing, Repair & Overhaul



We offer servicing, repair and overhaul services for main and auxiliary marine engines and other engine room equipment. We have quick access to common ship parts by Cummins, Caterpillar, Perkins and other commonly used brands. Any above water repair can be carried out with ease in our associate company's wharf, Misarma Marine Sdn Bhd. Additional support services such as lifting, shore power supply and fresh water supply is available upon request.

Fabrication & Maintenance Of Steel Structure



With strong support from our engineering and procurement division, we are able to assess project requirements to provide an accurate forecast of time and material costs. Our team of highly specialised engineers and craftsmen

deliver a wealth of experience to turnkey fabrication and steelworks. Projects are completed timeously and within budget without sacrificing quality and safety. We cover :

- Steel & Pipework
- Gangways (Fabricate & Repair)
- Hatches and Hatch Covers
- Coded Welding Services
- Onsite Manufacturing and Installation
- General Hot Works

Deck & Hull Repair Services



Our team is able to perform class and emergency repairs on deck and hull (above water) as well as repairs and maintenance during operation.

We cover:

- Renewal of Damaged Hull Plating
- Wooden Deck Repair
- Mooring Arrangement (repair & replacement)

OUR CIVIL ENGINEERING SERVICES



Acquisition of Construction Contract

Working with a variety of clients within the industrial, commercial, retail and transport sector, we carry out high quality civil engineering works for environmental, structural, transportation, urban, and utility contracts.



Perform maintenance and repair

As maintenance and repair works are performed, they are not limited to major works only. It is well accompanied by minor works such as fabrication, carpentry, painting and cleaning.



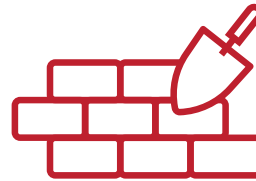
Reinforcement of concrete structure

Formwork, reinforcement and concrete structures including retaining walls and headwalls are carried out to meet even the most complex and challenging designs. With precision and expertise we are able to cast any structure accurately, providing clean and level surfaces.



Construction of Groundwork & Drainage system

Our works include foundations, drainage, ducting and general groundwork required for the construction of new development sites, ensuring that the site is ready for the next phase of construction.



Construction of Building Structure

Our building team has a high range of experience and expertise. They are able to deliver superior services and impeccable standards when handling construction projects, refurbishment and upgrading facilities.

Civil Engineering



We can assist with everything from the initial planning applications and conversions, through to constructing steel frame and concrete structures, with composite cladding and utilities integration.

Structure Engineering

Dealing with everything from inception to completion our works include large pre-cast concrete culverts on flood alleviation schemes for water authorities, through to small engineering solutions for private client.



CHEMICAL INJECTION SKID

A chemical injection skid is widely used in oil & gas industry and serves the purpose of injecting a precise and accurate amount of chemical into a system at a required pressure either continuously or intermittently.

Our chemical injection skid is commonly used to inject the following types of chemical into the pipeline:

- Corrosion Inhibitor
- Scale Inhibitor
- Biocide

Our company is able to provide optimum solutions in Chemical Injection Skid packages. We have full capability to offer thorough solutions based on clients' requirements. Our expertise includes:

Design & Consultancy

- Skid Dimension & Design Parameters
- Calculation
- Tank Sizing
- Pump Characteristics
- Control System Integration

Assembly/ Integration

- Project Scheduling
- Procurement
- QA/QC
- Skid / Tank Fabrication
- Equipment Integration

Testing

- Hydrotest
- Equipment Test
- Non Destructive Testing (NDT)
- Functional Acceptance Test (FAT)
- On-Site Commissioning

Maintenance

- Commissioning Spares
- Start-up Spares
- First & Second Year Spares (Optional up to 5 years)
- After Sales Service

A Standard Chemical Injection Skid Package contains:

- **Structure** – Skid Base, Chemical Storage Tank and Frame Work
- **Piping & Tubing** – Regulating Fluid Flow, Transfer Liquid
- **Mechanical** – Rotating Equipment (Dosing pump), valves, safety component, measuring equipment
- **Electrical** – Motor, Instrumentation Control
- **Instrumentation** – Pressure, Flow, Level & Temperature Instruments



PETRONAS Certified Service Maintenance Technical

We offer service and maintenance to chemical injection skid in offshore environment. Our service engineer has the experience and technical knowledge about chemical injection skid that meet the high standards of specification, quality and reliability that are required at high risk area. Combined with our experience in offshore industry we've become a trusted engineering partner for chemical injection skid.



CONTAINER

RENTAL SERVICE

Our containers, skids and racks are designed and fabricated according to EN12079 standards with annual TUV Nord inspection and re-certification

MULTIPURPOSE USAGE CONTAINER

Dry Container



We provide 20' dry container, totally enclosed and weatherproof, with a stiff side walls, and floor, having at least one of its end walls prepared with doors and meant to be good for the transport of (things carried by a ship, etc.).

Gas Cylinder Rack



The gas cylinder rack allow secure transportation and storage of industrial and respiratory gas bottles for a wide range of offshore applications.

Rubbish Skip



Rubbish skip have been designed and manufactured in accordance with TUV 12079. The units are supplied with certified slings and shackles as standard. All units are stackable where deck space or yard space is at a premium.

Freezer/Chiller



The freezer or chiller mostly use for food supplies to ensure those fresh frozen and dry food are stay fresh during the logistic process.

CUSTOM FABRICATED LIFTING SERVICE

Heavy lifting can be dangerous, and it is important to use the correct lifting gears at all times when transporting large loads.

WIRE ROPE SLING FABRICATION

Our wire rope slings are proof tested to twice the safe working load limit upon fabrication and certified through a quality control system that meets ISO standards for lifting equipment. Among the machines used are clamping machine and test bench.



Wire Rope Type	Galvanized	Ungalvanized	Stainless Steel	
Wire Rope Diameter (Size)	8mm to 28mm			
Wire Sling Type	Single-Leg	Two-Leg	Three or Four-Leg	Endless Sling
MIL Certificate			✓	
Test Report			✓	
Class Certification			✓	

Lifting Gear Supply

We also supply a comprehensive range of high quality lifting equipment to suit every conceivable purpose. Most of our product are available for purchase such as:

- Webbing Sling
- Masterlink
- Chains
- Thimbles
- Ferrule
- Chain blocks
- Level blocks
- Masterlink Assembly
- Shackles



Testing and Inspection



Safe and successful lifting operations largely depend on the safety of lifting equipment used. Non-destructive test (NDT) and load test can be done on containers, equipment and structure.

Tests	Break Test	Load Test	Proof Load Test
Non-Destructive Testing (NDT)	Magnetic Particle Inspection (MPI)		Dye Penetrant Inspection (DPI)
Visual Inspection		✓	
Third Party Inspection		✓	
Class Certification		✓	

OUR CLIENTS



SARAWAK SHELL SDN BHD



PETRONAS CARIGALI SDN BHD



CURTIN UNIVERSITY MALAYSIA



PERTAMA FERROALLOYS SDN BHD



JX NIPPON OIL & GAS
EXPLORATION(M) LTD



O.M MATERIALS (SARAWAK) SDN BHD



FLEX FLEET SDN BHD



MICLYN EXPRESS OFFSHORE



DAYANG ENTERPRISE SDN BHD



SapuraKencana
PETROLEUM
MICLYN EXPRESS OFFSHORE



SAKURA FERROALLOOYS
SDN BHD



ALKAHFI LESTARI OIL & GAS
SDN BHD



Engineering

www.tkengineering.com

Lot 2075 Jalan Disa, Krokop, 98000 Miri Sarawak

Tel: +6085 416 320 / 433 101

Fax: +6085 433801

Email: nquiry@tkengineering.com