



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 providing supplies to the oil & gas industry, we then progress into 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 the Miri River.

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



About Us

VISION

We aim to be the global reputable engineering partner in energy and construction sector.



MISSION

We create value to our clients by providing exceptional service with professional approach, and strive to deliver superior quality projects to our clients while meeting budget and schedule goals.

CORE VALUES

Integrity, Professionalism, Commitment, Innovative, Teamwork and Safety



Metal Structure Design & Custom Fabrication

TKR Engineering specializes in Structure Steel Fabrication and Installation. We also specialize in fabricating lifting gear for heavy duty transportation purposes.

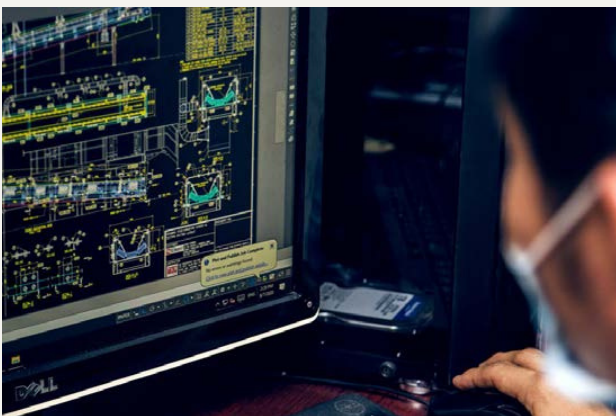
Steel Structure Fabrication

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.



Design Process

Our design process is an approach to break down a large project into manageable job and solutions. Our engineer and technician use the design process to solve a variety of problems that may occur during fabrication.



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 a clamping machine and a test bench.

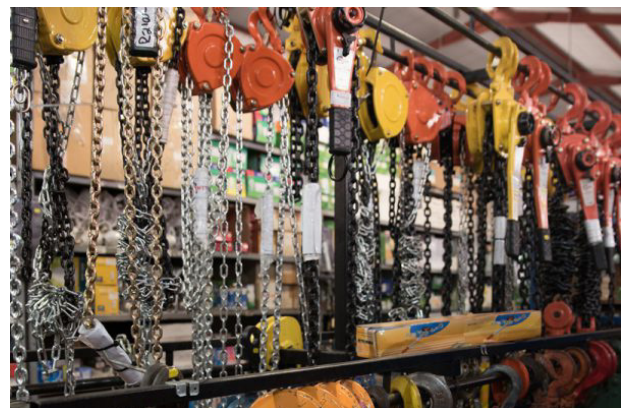
Wire Rope Type	Galvanized	Ungalvanized		Stainless Steel
Wire Rope Diameter (Size)	8mm to 28mm			
Wire Sling Type	Single-Leg	Two-Leg	Three or Four-leg	Endless Sling
Mill Certificate	✓			
Test Report	✓			
Class Certification	✓			



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 including:

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



Metal Structure Design & Custom Fabrication

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		✓	

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.



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.

Civil Engineering & Structural Maintenance

TKR Engineering provides civil engineering and structural engineering services to accommodate any developments within Miri and the rest of Sarawak.

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.



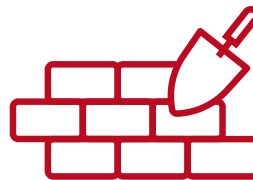
Reinforcement of concrete structure

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 initial planning applications and conversions, to constructing steel frame and concrete structures, with composite cladding and utilities integration.

Structure Engineering

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



Civil Engineering & Structural Maintenance

General Building Maintenance



Buildings must be inspected on a regular basis to identify whether any portions require maintenance in order to ensure a safe working environment for those who live or work in the vicinity. This includes inspecting and replacing light bulbs, floor tiles or boards, ceiling, door hinges and knobs, as well as pillars and structural supports. Typically, a maintenance worker will audit the building's environment to evaluate what needs to be serviced, and then a crew will move in and perform maintenance on the area.

Electrical Maintenance



Buildings must be inspected on a regular basis to identify whether any portions require maintenance in order to ensure a safe working environment for those who live or work in the vicinity. This includes inspecting and replacing light bulbs, floor tiles or boards, ceiling, door hinges and knobs, as well as pillars and structural supports. Typically, a maintenance worker will audit the building's environment to evaluate what needs to be serviced, and then a crew will move in and perform maintenance on the area.

Preventive Measure



Preventive measure or maintenance is performed to avoid future accidents or malfunctions in a building or structure. Preventive maintenance is work done on regions that are prone to accidents and deterioration.

Registered Contractor in Malaysia

As a registered contractor under CIDB (Construction Industry Development Board) and UPKJ (Unit Pendaftaran Kontraktor dan Juruperunding) in Sarawak, TKR Engineering Sdn Bhd and its personnel are committed to operate with compliance to all the requirements under the board and unit.

Marine Engineering

TKR Engineering offers a range of maintenance and repair services that covers your vessel from hull to engine, ensuring that it remains in class at all times.

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 also available upon request.

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)

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 specialized engineers and craftsman 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

Oilfield Equipment Rental Services

TKR Engineering is committed to provide the upmost quality in industrial equipment that is up to standards and maintained to fit your every individual requirements.

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.

Oilfield Equipment Rental Services

TUBULAR RENTAL

As part of our rental service, we provide quality tools that is properly serviced and maintained. Here we provide a wide range of drill pipes to drill collars

TKR Engineering offers an extensive range of Bottom Hole Assembly (BHA) equipment, which can be supplied in both steel and non-magnetic materials.

Equipment Includes:

- Drillpipe – Range 2 & 3 – 2 7/8" to 5 7/8"
- Tubing – Range 2 – 1.66" to 5"
- Spiral and Standard HWDP – 3 1/2" to 65/8"
- Drill Collars – 3 1/8" to 9 1/2"
- Crossovers – 2EA pin X Box, 1 EA Pin X Pin
- Drill Pipe Pup Joints – 5-1/2", various lengths

TKR Engineering rent a wide range of various size Drillpipe, Tubing, Spiral and Standard Hevi-wate and Drill Collars. In addition, TKR Engineering offers a complete package of handling equipment to run sizes from 1.66" to 42".



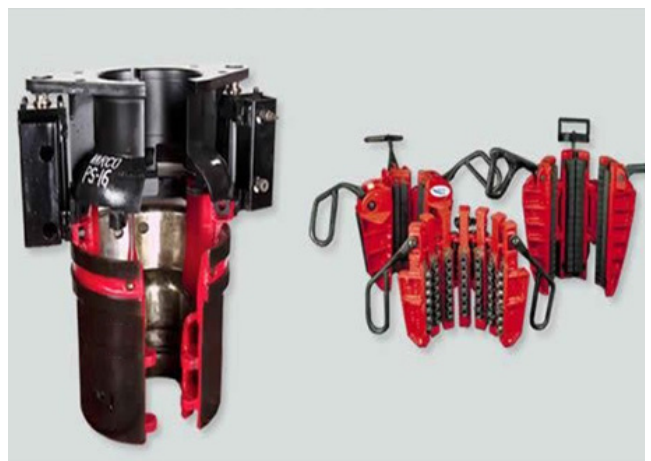
Oilfield Equipment Rental Services

DRILLING TOOLS

TKR Engineering division has the largest inventory of state-of-the-art BHA equipment worldwide. With our own in-house welding facilities, we can dress any size of stabilizer and hole opener with all Hard-facing and diamond dressing for more abrasive well conditions.

Equipment includes:

- Steel and Non Mag Drill Collars – Slick, Spiral and Flexi – 4 ¾" – 9 ½"
- Steel and Non Mag Integral Stabilizers – 4 ¾" – 36"
- Spiral and Standard HWDP – 3 ½" to 65/8"
- Hole Openers – 22" – 42"
- Drilling Jars – 4 ¾" – 9 ½"



Oilfield Equipment Rental Services

PRESSURE CONTROL

To service the many offshore exploration and operations, we have a wide range of Blow Out Preventers that is annular, single and double BOPs with its corresponding rams, valves and spools.

TKR Engineering offers an extensive range of Bottom Hole Assembly (BHA) equipment, which can be supplied in both steel and non-magnetic materials.

Equipment Includes:

7 – 1/16" Blowout Preventers

- 7 – 1/16" Cameron 5,000 psi Type U Single Ram BOP
- 7 – 1/16" Cameron 10,000 psi Type U Single Ram BOP
- 7 – 1/16" Cameron 10,000 psi Type U Double Ram BOP
- 7 – 1/16" Cameron 15,000 psi Type U Single Ram BOP
- 7 – 1/16" Cameron 15,000 psi Type U Double Ram BOP
- 7 – 1/16" Cameron 5,000 psi Type U Annular Ram BOP
- 7 – 1/16" Cameron 10,000 psi Type U Annular Ram BOP
- 7 – 1/16" Torus 3,000 psi Type Spherical Annular Ram BOP

11" Blowout Preventers

- 11" Cameron 10,000 psi Type U Single Ram BOP
- 11" Cameron 10,000 psi Type U Single Ram BOP
- 11" Cameron 10,000 psi Type U Single Ram BOP (Standard Bonnets)
- 11" Cameron 10,000 psi Type U Double Ram BOP
- 11" Cameron 15,000 psi Type U Single Ram BOP
- 11" Cameron 15,000 psi Type U Double Ram BOP

13 – 5/8" Blowout Preventers

- 13 – 5/8" Cameron 10,000 psi Type U Single Ram BOP
- 13 – 5/8" Cameron 10,000 psi Type U Single Ram BOP
- 13 – 5/8" Cameron 10,000 psi Type U Single Ram BOP (Standard Bonnets)
- 13 – 5/8" Cameron 10,000 psi Type U Double Ram BOP
- 13 – 5/8" Cameron 15,000 psi Type U Single Ram BOP
- 13 – 5/8" Cameron 15,000 psi Type U Double Ram BOP

20 3/4" Blow out Preventers

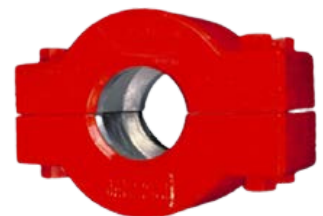
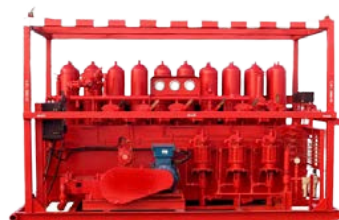
- 20 3/4" Shaffer 3,000 Type LWS Single Ram BOP (Multilock)
- 20 3/4" Shaffer 3,000 Type LWS Single Ram BOP

21 1/4" Blow out Preventers

- 21 1/4" Hydrill 2,000 Type MSP Annular BOP

Koomey Units

Koomey Control Unit



Oilfield Equipment Rental Services

JAR AND ACCELERATOR RENTAL

We at TKR Engineering also provide rental of Jar and Accelerator tools, also better known as Fishing tools to aid in releasing a pipe or tool string that has become stuck. A Jar together with a downhole tool is used to store up energy and released to provide an impact force to release the associated pipe that has become stuck.

Please contact us for more information on how to rent tools according to your needs.





Engineering

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