



# **TAKAT UNGGUL (M) SDN. BHD. COMPANY PROFILE**

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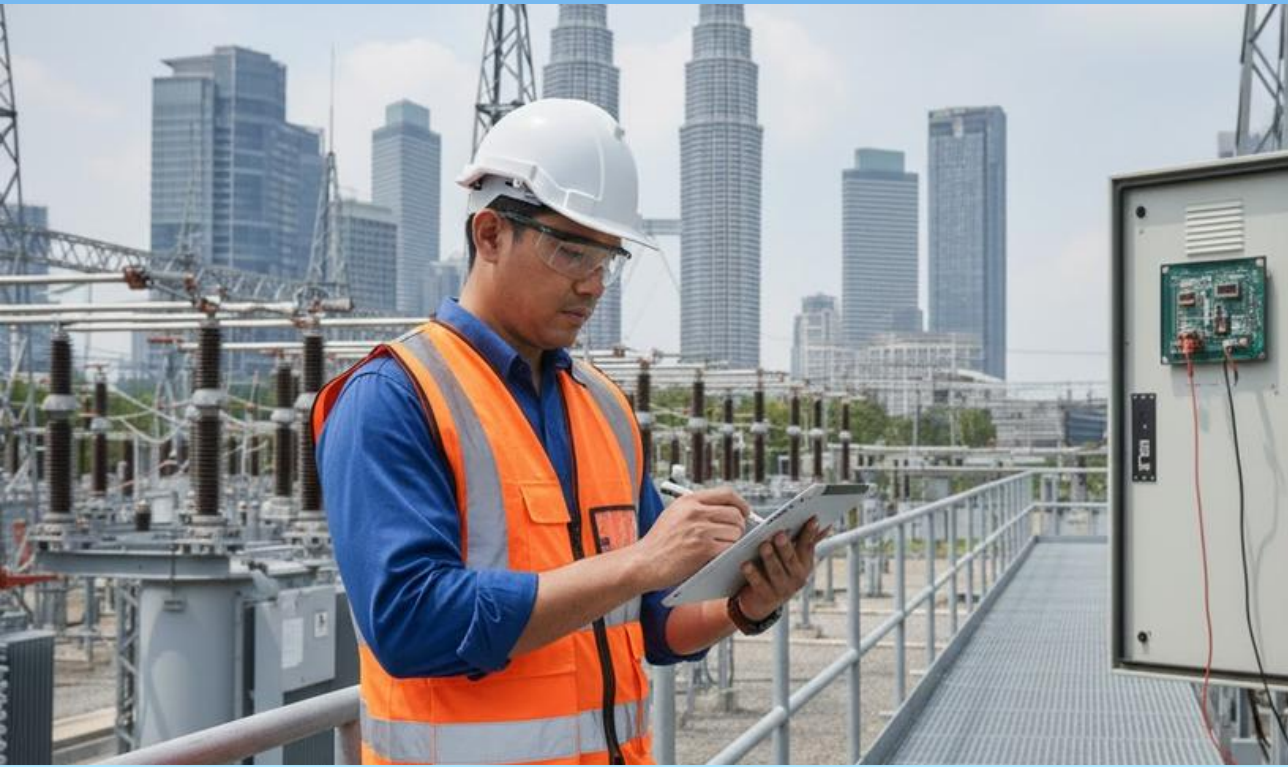
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# About Us

Established in 2005, Takat Unggul (M) Sdn Bhd is a Bumiputera-owned engineering company specialising in providing exceptional engineering services and solutions.

We primarily focus on the power industry and the oil and gas market. Our comprehensive offerings include specialised products, services, installation expertise, and engineering solutions for the electrical, cathodic protection, and safety sectors.

Takat Unggul (M) Sdn Bhd has the right skilled professionals and essential equipment for executing mechanical and electrical installations within the power and the oil and gas sector. We strive to deliver comprehensive end-to-end solutions and services to our esteemed clientele.

We have consistently provided quality-assured products, services, and engineering solutions to private sector enterprises, leveraging our vast network across Malaysia.

# OUR MISSION

*Our value proposition lies in delivering unparalleled service quality, as we strive to exceed the expectations of our esteemed clientele.*

**(1) CENTRES OF EXCELLENCE IN  
OUR FIELD**

We strive for excellence in every aspect of our work, delivering top-notch engineering solutions and services to our clients in the Power, Oil & Gas, and Petrochemical industry.

**(2) CUSTOMER-FOCUSED**

Our top priority is always customer satisfaction, and we go above and beyond to ensure that our clients are happy with the comprehensive engineering solutions and services we provide.

**(3) LEVERAGING THE LATEST  
TECHNOLOGY**

We are constantly pushing the boundaries of what is possible, finding creative and innovative solutions to meet the unique needs of our clients.

**(4) OPERATIONAL EFFICIENCY**

We are always looking for ways to improve and evolve our services, staying ahead of the curve in the ever-changing engineering industry.

# OUR PRODUCTS & SERVICES



**High Voltage  
(Products & Services)**



**Oil & Gas  
(Products & Services)**



**Fire Protection, Detection  
& Life Saving Equipment**

# HIGH VOLTAGE PRODUCTS & SERVICES

High Voltage Products & Services is essential for the generation, transmission, and distribution of electrical energy. These components are specifically designed to handle and regulate electrical power at elevated voltages, ensuring that power systems meet the efficiency, safety, and reliability requirements for both urban and industrial applications.

The range of High Voltage Products includes:

- Switchgear
- Transformers
- Insulators
- Cables

TU offers comprehensive solutions which are:

- System Design
- Installation
- Maintenance
- Testing



## Transformer Monitoring - TOTUS

We ensure the efficiency and safety of high-voltage infrastructure by partnering with industry leaders like **Camlin Energy** for the TOTUS platform, the market's only modular system integrating DGA, Partial Discharge, and Bushing Monitoring for total transformer health.

# OIL & GAS PRODUCTS & SERVICES

Specialising in the oil and gas and renewable energy sectors, we offer full-lifecycle engineering services, from detailed design to commissioning and ongoing maintenance. Our expertise in automation and sustainable technology, combined with strategic Malaysian partnerships, allows us to deliver high-performance, eco-friendly solutions driven by a team of continuously trained professionals.



Additionally, we serve as your one-stop partner for process instrumentation, control, and vacuum solutions, ensuring maximum uptime, efficiency, and reliability across your operations. Our offerings include high-precision air filter regulators for reliable pneumatic system protection, accurate visual and continuous liquid level measurement solutions and comprehensive vacuum solutions leveraging Busch's global network of expertise to ensure maximum equipment availability and performance.

It is perfectly tailored to maintain the integrity of your vacuum pumps, air filter regulator and level gauge as our local service team is backed by the industry's most extensive global network, offering proficient support that covers everything from rough to ultra-high solutions.



# OIL & GAS PRODUCTS & SERVICES

## ***ELECTRICAL & INSTRUMENTATION BULK SUPPLY***

- **Rotating Equipment:** Industrial motors, pumps, and energy-efficient explosion-proof (Ex) motors and accessories.
- **Lighting & Power Control:** Advanced, low-consumption industrial lighting systems and custom-engineered control panels and automation systems.
- **Safety & Process Control:** Integrated fire suppression systems, high-performance of valves and actuators, and gas and flame detectors.

## ***CABLES & CONNECTIVITY SYSTEMS***

### **Specialised Cables:**

- Flame retardant and fire-resistant instrument and power cables.
- Marine and shipboard certified cables.
- Thermocouple, data, signal, control, and standard power cables.
- High-speed fibre optic cables, patch cords, and heavy-duty patch panels.
- Explosion-proof (Ex) and weatherproof glands complete with all specialised installation accessories.

## ***CABLE SUPPORT & CONTAINMENT***

- **Trays & Ladders:** Hot-dip galvanized (HDG) and marine-grade stainless steel cable trays, cable ladders, elbows, risers, and equal tees.
- **Securing & Sealing:** Stainless steel cable ties and high-integrity multi-cable transit (MCT) systems.
- **Multi-Cable Transit (MCT) Hardware:** Heavy-duty frames (*available in galvanised and stainless steel*) paired with precision-engineered inserts.



# OIL & GAS PRODUCTS & SERVICES

## ***HAZARDOUS AREA (Ex) ENCLOSURES & CONTROL***

- **Junction Boxes:** Weatherproof boxes, Ex-e stainless steel boxes, and Ex-d alloy aluminium explosion-proof boxes.
- **Control Interfaces:** Specialised control stations, industrial switches, push buttons, and dedicated explosion-proof control stations and switches.
- **Explosion-proof Fittings:** Ex-certified adaptors, connectors, and flexible conduits tailored for hazardous zones.

## ***PROCESS VALVES, PANELS, & INDUSTRIAL FITTINGS***

- **Industrial Valves:** Comprehensive supply of relief valves, control valves, motorised valves, and safety isolation valves.
- **Specialised Automation Panels:** Wellhead control panels, instrument panels, and fusible plug emergency shutdown panels.
- **High-Pressure Fittings:** Adaptors, reducers, elbows, plugs, coupling, flanges, and heavy-duty flexible hoses.

## ***OTHER RELATED PRODUCTS & SERVICES***

- **Air Filter Regulators:** High-performance compressed air preparation units, precision pressure regulators, and integrated filter regulator combinations for reliable process control.
- **Magnetic Level Gauges:** Direct-reading visual level indicators, magnetic float switches, and continuous level transmitters designed for demanding industrial environments.
- **Vacuum Pump Skid System:** Engineered vacuum pump skid packages, complete with integrated piping, valving, and control systems tailored for industrial applications.

# FIRE PROTECTION, DETECTION & LIFE SAVING EQUIPMENT

## ***FIRE FIGHTING EQUIPMENT & APPLIANCES***

- COMBAT brand of Fire Extinguisher
- Monnex, Purple K, ABC, BC, Foam, Water Mist, Foam Mist, Water, Fire Extinguisher.
- Deluge Valve, Sprinklers & Spray Nozzle
- Foam System, Hose Reel, Fire Monitor, Bladder Tank & Nozzle
- Gas, Flame Heat Detectors & Controllers

## ***LIFE SAVING EQUIPMENT & APPLIANCES***

- |                                              |                             |
|----------------------------------------------|-----------------------------|
| • GRP Cabinets                               | • Personal Transfer Basket  |
| • Life Jackets                               | • Life Raft                 |
| • Work Vest                                  | • Rope Ladder, Swing Rope   |
| • Oil & Chemical Spill Kit                   | • Electrical Safety Kit     |
| • Grab Bag                                   | • Fireman Equipment Cabinet |
| • Lifebuoy & Light                           | • AED                       |
| • Donut Safety, Basket & Paraguard Stretcher | • Helicopter Crash Cabinet  |
| • EEBD, SCBA, Smoke Hood                     | • Fire Blanket              |
| • Self-Contained Safety Shower               | • First Aid Kit, PPE        |
| • Portable Eyewash Stations                  | • Windsock & Safety Signs   |

# SPECIALISED CONSULTATION SERVICES

## ***PROCESS SAFETY MANAGEMENT (PSM)***

PSM is a systematic approach that focuses on preventing hazardous incidents by identifying, assessing, and controlling risks to prevent hazardous incidents, ensuring safety, reliability and regulatory compliance.

- Hazard Identification and Risk Assessment (HAZID)
- Hazard and Operability Study (HAZOP)
- Fire & Explosion Risk Analysis (FERA – 2D/3D)
- Quantitative Risk Assessment (QRA)
- Health Risk Assessment (HRA)
- ALARP Demonstration

## ***HUMAN FACTORS ENGINEERING (HFE)***

HFE focuses on optimising interactions between people, systems, and processes to enhance safety, performance, and usability in complex operations.

- HF Plan & Specification Development
- Valve Criticality Analysis (VCA)
- Safety Critical Task Analysis (SCTA)
- HFE 3D Model Verification
- Manual Handling Assessment
- Ergonomic Study – Control Room
- Task & Link Analysis
- HFE Construction Verification

## **ASSET INTEGRITY**

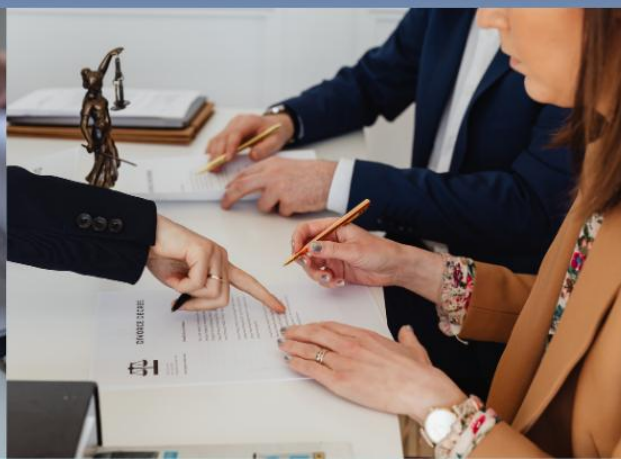
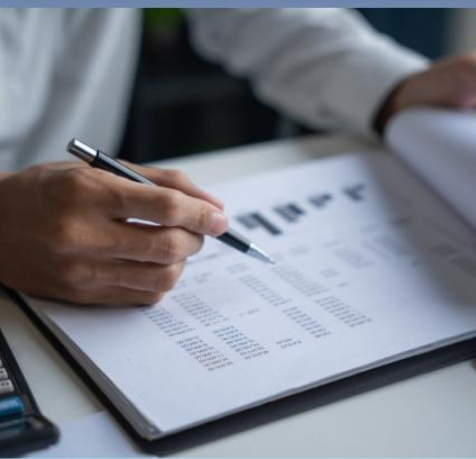
HFE focuses on maintaining the reliability, safety and long-term performance of assets through strategic assessments and maintenance practices that minimise operational risks and enhance sustainability.

- O&M Philosophy Development
- Operations Procedure Development
- Reliability Centred Maintenance
- Equipment Criticality Analysis (ECA)
- Failure Modes, Effects and Criticality Analysis (FMECA) – IEC 60812
- Asset Register for CMMS – ISO 14224
- Noise & Vibration Studies

## **BESPOKE SOLUTIONS**

Bespoke solutions consists of providing specialised support in project management, risk mitigation, and engineering tailored to client needs. We deliver expert guidance, training and innovative strategies to optimise operations and drive success.

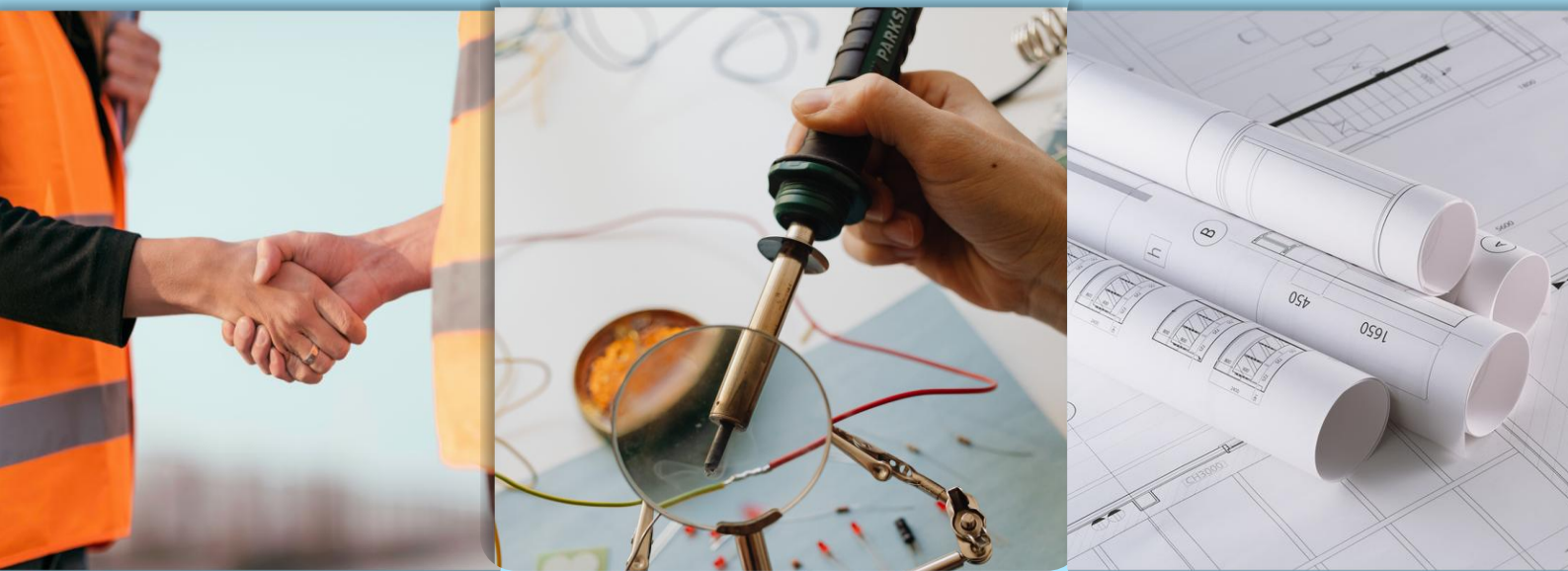
- Project Management Support
- SME Support
- Safety & Risk Management
- Specialised Engineering Solutions
- Training & Development
- Supply & Trading



# OUR NOTABLE CLIENTS

Takat Unggul is a registered vendor and service provider for various notable companies across Malaysia and the surrounding region, such as:

- Brooke Dockyard and Engineering Works Corporation
- Brooke Holding Sdn Bhd
- Brunei Shell Petroleum Company Sdn Bhd
- Carimin Engineering Services Sdn Bhd
- EG Petro Sdn Bhd
- HESS Exploration and Production Malaysia B.V
- HHA Associates Sdn Bhd
- Malaysian Marine & Heavy Engineering Sdn Bhd (MMHE)
- PTTEP Sarawak Oil Limited
- Sapura Energy
- Shell Brunei
- Sime Darby Industrial
- Technip Geoproduction (M) Sdn Bhd
- TNB GENCO
- TNB Power Generation Sdn Bhd
- TNB Repair and Maintenance Sdn Bhd (REMACO)
- UNITEN



# OUR PROJECTS

## Brooke Holding Sdn Bhd

- High Pressure Nitrogen Rack Cylinder - Provision for supply and delivery nitrogen rack cylinder and accessories
- Timi Field Development- Provision for supply and delivery life saving & safety equipment



## Malaysian Marine & Heavy Engineering Sdn Bhd (MMHE)

- CCS (Topside) - Supply and delivery of fire fighting equipment
- KSCCS Target Cost (Topside) - Supply and delivery of safety signage
- Rosmari Marjoram (Topside) - Provision of safety equipment training for RMP
- CPOC - Supply and delivery of fire fighting and rescue equipment
- Rosmari Marjoram (Topside) - Supply and delivery of life-saving appliances (LSA)
- SK408W Jerun Development - Supply and delivery of fire fighting equipment for EPCIC
- SK408W Jerun Development - Supply and delivery of safety & life-saving equipment
- EPCIC SK408W Jerun Development - To supply and delivery of safety shower and portable eyewash for EPCIC of SK408 Jerun Development Project

# OUR PROJECTS

## TNB Global Business Solutions

- Grid Division TNB - Supply of 300KV, 800A Bushing (Special Design) for Grid Division, TNB
- Division TNB - Supply of 500KV & 132KV circuit breaker and 275KV & 132KV surge arrester as critical operational spare for Grid Division TNB
- Grid Division TNB – Supply of ten (10) portable units of calibration oil bath for usage of Grid Maintenance Department of the Grid Division TNB



## TNB Repair and Maintenance Sdn Bhd (REMACO)

- Stesen Janakuasa Tuanku Mukriz TNB - Two (2) years contract with an option of two (2) years extension for the supply of tools and consumables for all sections at Stesen Janakuasa Tuanku Muhriz
- Stesen Janakuasa Tuanku Mukriz TNB - Supply of 11KV power supply cable to Stesen Janakuasa Tuanku Muhriz, Port Dickson

- **Brunei Shell Petroleum Company Sdn Bhd** :: Salman Platform - Premix foam skid rectification works
- **Carimin Enigneering Services Sdn Bhd** :: Shallow Clastic Redevelopment - Supply and delivery safety equipment for Shallow Clastic Redevelopment
- **EG Petro Sdn Bhd** :: SCPA – N2 and CO2 Skid - Provision for supply and delivery of N2 Gas Skid for SCPA
- **HHA Associates Sdn Bhd** :: Tiong A - Provision to supply and delivery of deluge valve
- **Hess Exploration and Production Malaysia B.V** :: Hess Exploration and Production Malaysia B.V - Supply of 4-unit valve and pressure control

# LICENSES



Malaysia Ministry of Finance (MOF)  
Registered Company



Suruhanjaya Tenaga  
Energy Commission



## REGISTRATIONS



Malaysia Marine and Heavy Engineering Sdn Bhd



**TENAGA NASIONAL**

Registered Vendor

## AUTHORISED DEALER



Sieyuan



LINGJACK



camlin energy



## GET IN TOUCH



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