



ASMAN KADIR ENGINEERING &  
FABRICATION SDN BHD

# CORPORATE PROFILE

---



ISO 9001:2015 Reg. No: 17148B-A



OHSAS 18001:2007 Reg. No: 17148B-4



# CONTENTS

---

01

ABOUT US

02

VISION & MISSION

03

QUALITY POLICY

04

OCCUPATIONAL  
HEALTH &  
SAFETY POLICY

05 - 08

HEAVY ENGINEERING  
OFFSHORE  
CONSTRUCTION  
BUSINESS DIVISION  
(OIL & GAS)

09 - 10

HEAVY ENGINEERING  
OFFSHORE  
CONSTRUCTION  
BUSINESS DIVISION  
(MARINE)

11 - 12

SUBSEA SERVICE  
DIVISION

13 - 16

VALVE SERVICE  
DIVISION

17 - 20

REVERSE  
ENGINEERING  
PHILOSOPHY

21 - 24

POWER SERVICE  
DIVISION

25 - 26

AKEF GLOBAL  
PARTNER

27

- CORPORATE  
STRUCTURE  
- COMPANY  
REGISTRATION

28 - 31

PROJECT HIGHLIGHT



## ABOUT US

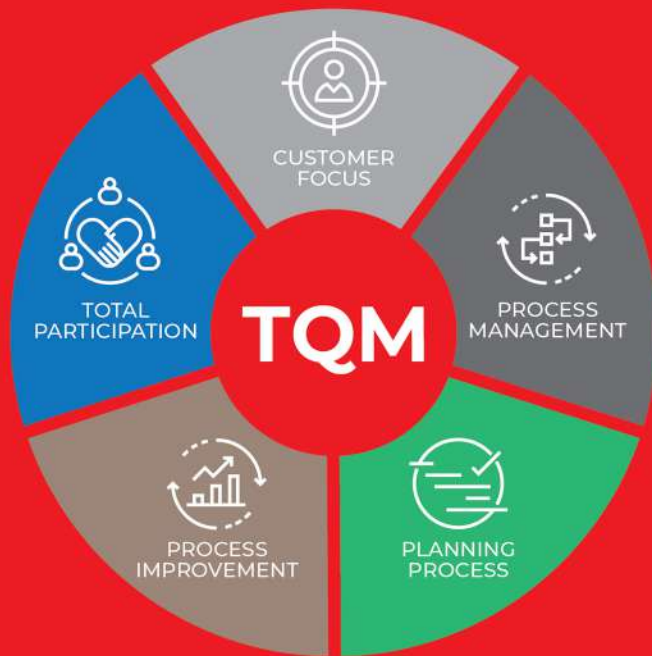
---

### STRONG FOUNDATIONS

Backed by more than a decade of experience in providing the total Engineering, Procurement and Construction (hereinafter in referred to as "EPC") service for various industries, Asman Kadir Engineering & Fabrication Sdn. Bhd. (hereby known as AKEF) has come a long way to be recognized as a reputable industry player in Malaysia since establishment in 1992.

Our comprehensive workshop facilities and certification that have met the highest standards, as well as accreditations by various statutory, regulatory and professional bodies, are a testament to the top quality assurance which we provide. Building on the foundation, we will continue to raise quality and service standards to greater heights to ensure client's total satisfaction.





## TOTAL QUALITY MANAGEMENT

Through the years, AKEF has honed our niche of providing total EPC service via total quality management approach to satisfy the needs of our client from diverse industries.

The wide range of successful project we have completed, including Non-Pressure part, Pressure Part replacement, and I&C works, as well as supplied skilled workforce for the marine, power generation and oil & gas industries, aptly reflects our commitments to total quality management.



## VISION

To become the industry leader renowned for spearheading the total suite of one-stop, EPC service to raise infrastructure perfection to greater heights.



## MISSION

- ▶ To provide the most efficient, sustainable and reliable EPC services, guide by our total quality management approach
- ▶ To strive for continuous technological innovations so as to power our client's infrastructure needs with the most advanced and achieve greater efficiency.
- ▶ To engage our clients actively and uphold a personalised approach in project management, thus surpassing clients' expectations and achieving service excellence.
- ▶ To develop the best talents for the industry by enhancing professionalism, fostering commitment and inculcating a can-do spirit among our staff.

# QUALITY POLICY

---

The management and the employees of Asman Kadir Engineering & Fabrication Sdn. Bhd. are committed to ensure the company objectives are met and providing our clients with the comfort and satisfaction of achieving and exceeding their requirements and expectations.

This will be achieved by adopting a continuous improvement of our Quality Management System through:

- ▶ Ensure we understand our Client requirements; legal and other requirements are satisfied and comply to the best of our ability.
- ▶ To strengthen relationships and encourage repetitive business with existing Clients.
- ▶ To win work not solely on price but through innovation and value added services.
- ▶ Continually strive to improve our performance through analysis and to reduce the occurrence of nonconformity at all levels of business and stages of a project.

- ▶ Effective and efficient management of company human resources that helps the realization of projects in advance of set deadlines, conforming to every quality standard prescribed.
- ▶ To prioritize and value the most valuable asset of AKEF, company employees, and to contribute to their technical and self-development through company's structured training programs leading to motivation & empowerment, and to provide social securities.
- ▶ To engender a positive commitment to quality and create an environment of teamwork and cooperation that enables employees to work effectively.
- ▶ To take action plan to address company risks and opportunities by identifying internal and external issues, QMS process and interested parties.

AKEF acknowledges that it is incumbent on employees at all levels to ensure that the provisions of the Quality Management System are attained. This is achieved by effective communication and employee's acceptance of their responsibilities with respect to fulfilling the Company's quality objectives.





# OCCUPATIONAL HEALTH & SAFETY POLICY

---

It is the responsibility and commitment of Asman Kadir Engineering & Fabrication Sdn. Bhd. to provide safe and healthy working environment for our employees through:

- ▶ Provide safe and healthy working conditions for the prevention of work-related injury and ill health for its employees, contractors and visitors,
- ▶ Eliminate hazards and reduce OH&S risks by considering the purpose, size and context of the organization
- ▶ Comply with all applicable safety and health laws and regulations
- ▶ Continuous improvement of the OSH management system
- ▶ Develop and enforce the use of safe working practices
- ▶ Provide consultation and participation of workers and training to employees to conduct their work in safe & health manner.

In conducting our business activities, employees of AKEF and contractors shall strive to:

- ▶ Prevent all occupational illness
- ▶ Prevent all accidents and injuries
- ▶ Prevent property damage

It shall be the duty of every employee to:

- ▶ Commit the above objectives
- ▶ Report hazards
- ▶ Cooperate with management, participate in safe and health programs and comply with all applicable safety OSH laws and regulations.

The application of sound safety and health practices for the protection of our people is an essential factor in the overall success of our business.

# HEAVY ENGINEERING OFFSHORE CONSTRUCTION SERVICE DIVISION

## OIL & GAS

Given the burgeoning developments in the construction, infrastructure, as well as oil and gas industries in the region, AKEF has the expertise to keep various sectors well-oiled, literally. With in-depth competencies in turnkey project management and budget development, we have the edge to offer the full range of services, from fabrication, construction, transportation, installation, commissioning, inspection and maintenance of onshore and offshore structures and piping works.

Coupled with specific skills in fabricating and constructing topsides, process skids and modules, jackets, accommodation modules and living quarters, we have become the trusted vendor for oil and gas production facilities, gas processing plants, oil refinery plants and petrochemical plants.

Combining onshore process plant expertise with offshore module fabrication experience, we will continue to spearhead premium value-added services and go the extra mile to deliver the best quality for the oil and gas industry.

Well-trained, competent and experienced in all aspects of project management, the team at AKEF is committed to offering total engineering and construction solutions to satisfy the needs of its clients from diverse industries. At AKEF, our professional capabilities span various fields. Whether it is providing marine services to meet shipbuilding needs across different countries, driving power plants with energy solutions, or customising structural and piping works for the oil and gas industries, we have developed the edge to execute a wide array of projects through our three business divisions as follows.







## HEAVY ENGINEERING OFFSHORE CONSTRUCTION OF

- ▶ Jacket and appurtenance
- ▶ Well head platform (WHP)
- ▶ Living quarters (LQ)
- ▶ Central processing platform (CPP)
- ▶ Piles and conductors
- ▶ Topsides
- ▶ Turret and buoy structures
- ▶ Modular piperack (PAU/PAR)
- ▶ Subsea structures & appurtenance
- ▶ Windfarm jacket structures

# PROJECT HIGHLIGHT

## PROJECT

► FPSO Cendor Phase 2

## SCOPE

- Fabrication, Installation and Testing of Hull / Vessel Piping Systems in Cargo Tanks, Ballast Tanks, Pump Room, Fwd Pump Room and Main Deck
- Fabrication, Installation and Testing of Topside Piping System

**LOCATION** ► MMHE Pasir Gudang, Johor

**YEAR** ► Dec 11 - May 14

**HOST / OWNER** ► MiSC Berhad / Petrofac (M) Sdn. Bhd.

## DIA-INCH INFO

Vessel : 85,000 DIA Inch / Topside Piping : 110,000 DIA Inch



## PROJECT

► Malikai TLP Project

## SCOPE

- Fabrication and Installation of Structural Columns and Pontoon

**LOCATION** ► MMHE Pasir Gudang, Johor

**YEAR** ► Mar 15 - Jan 16

**HOST / OWNER** ► Sabah Shell Petroleum Co. Ltd. / MISC

## WEIGHT INFO

SW Column : 1350 MT / South Pontoon : 340 MT



## PROJECT

► Dan Gote Calm Buoy Project

## SCOPE

- Structural, Piping and Mechanical Works

**LOCATION** ► MMHE Pasir Gudang, Johor

**YEAR** ► Nov 16 - Feb 18

**HOST / OWNER** ► SOFEC Inc

**WEIGHT INFO** ► 1200 MT

**PROJECT**

► FSO Sao Vang - Vessel RLE & Conversion

**SCOPE**

► Repair Life Extension (RLE) & Conversion of Structural & Piping Works, Forepeak Modification and Turret Integration Works

**LOCATION** ► MMHE Pasir Gudang, Johor

**YEAR** ► May 19 - Mar 20

**HOST / OWNER** ► Promor Pte. Ltd. / Malaysia Vietnam Offshore Terminal (MVOT)

**WEIGHT INFO** ► 800 MT



**PROJECT**

► Bekok A & B Project

**SCOPE**

► Structural, Piping & Mechanical (Multidiscipline Package) og 2 nos of WHP Topside, Jacket and Bridge

**LOCATION** ► MMHE Pasir Gudang, Johor

**YEAR** ► Jan 20 - Jul 20

**HOST / OWNER** ► Petronas Carigali



**PROJECT**

► PFLNG Turret

**SCOPE**

► Turret - Structural & Piping Works

**LOCATION** ► MMHE Pasir Gudang, Johor

**YEAR** ► Oct 16 - June 17

**HOST / OWNER** ► SOFEC/ Petronas Carigali

**WEIGHT INFO** ► 2800 MT

# MARINE SERVICE DIVISION

---

## MARINE

The Marine division is capable of building, repair, refurbish, and maintain various types of ships to meet various demands from its clients. It provides engineering and construction capabilities for various type of ship and offshore structure and carries out all phases of project implementation.





## **SHIPBUILDING**

- ▶ Tugboats
- ▶ Barges
- ▶ Container Shipping Vessels
- ▶ Oil Tankers
- ▶ Onshore Support Vessels
- ▶ Anchor Handlers
- ▶ Platform Supply Vessels
- ▶ Crew Boats
- ▶ Drilling / Tender Barge

## **SHIP REPAIR, REFURBISHMENT AND MAINTENANCE**

- ▶ Precision machining
- ▶ Pipe fabrication
- ▶ Hull refurbishment
- ▶ Electrical works
- ▶ Mechanical works
- ▶ Supply of spare parts
- ▶ AQUASTAR™ Ballast Water Management System (BWMS) Retrofit

## **ENGINEERING FABRICATION AND CONSTRUCTION**

- ▶ FPSO / FSO / FSU Conversion
- ▶ Jack Up/ Semi Sub/ Tender Rig Conversion
- ▶ AQUASTAR™ Ballast Water Management System (BWMS) Retrofit

# SUBSEA SERVICE DIVISION

---

## SUBSEA

We are specialist in Engineering, Procurement & Construction services for the offshore & subsea sectors, with proven track records. We have fabricated complicated structures and equipment like production risers, grillages, stab frame, mudmats, pig launchers, subsea spools, midspan bracings, conductor clamps, subsea templates, christmas tree guard structures etc. Our team have a sound knowledge in understanding the requirement needed for each project and ensure that international standards are met. We are committed to delivering the finished product within the time frame and of the highest standards using our water front facility. AKEF offers comprehensive subsea solutions to diverse client ranging from the sophisticated technical needs of major oil companies to the specific needs of ship owners and operators. With a pool of skilled personnel and state of the art equipment, AKEF is capable of honoring and exceeding client expectations. AKEF is a renowned provider of subsea and pipeline / flowline engineering, field architecture development, and project management solutions. Our clients include major and independent oil companies, as well as equipment manufacturers, who are looking for dependable and cost-effective answers in all phases of their offshore projects.





# VALVE SERVICE DIVISION

---

## INTRODUCTION

In fluid handling and processing systems, valves play a critical role—i.e., regulating the flow and pressure of fluids to within an acceptable range for maximum operational efficiency and operator safety. As such, they must be regularly subjected to inspection and maintenance operations to ensure they remain in proper working order. Failure to maintain them can lead to lower processing efficiency and, in extreme cases, component or system failure.



## OUR EXPERTISE EXPERIENCE

Our team is ready to support our customers from regular supply valves on your requirements, repairs and maintenance planning through to complete lifecycle and execution. We also offer maintenance supervision for our customer on installing based and support a long-term maintenance need. Our service work with both new equipment purchase, installation, modernizing and upgrading existing part as well as preventive maintenance activities to ensure that the recommended maintenance services have been followed and completed on a safe standard. We also provide Valves Test, Repair and Calibration Service for All Type of Valves and Valve sizing (Ball valve, Butterfly valve, Choke valve, Diaphragm valve, Gate valve, Globe valve, Knife valve, Needle valve, Pinch valve, Piston valve, Plug valve, Solenoid valve, Spool Valve and etc). We are also accredited under ISO9001 & ISO45001.





## ENGINEERING SERVICES

- ▶ Good customer service & Engineering Services does not end with the sale, it is only the beginning.
- ▶ We will support you with professional installation & commissioning, troubleshooting, and engineering service include reverse engineering of control valve.

## VALVE MAINTENANCE & SERVICES (ALL TYPE OF VALVE)

- ▶ Service maintenance, overhaul & testing (workshop & In-situ)
- ▶ Valve preventive maintenance and corrective maintenance
- ▶ In-situ valves machining and services
- ▶ Valves flushing, lubrication & sealant on-site
- ▶ Manage and execute shut-down and preventive maintenance
- ▶ Actuator valve service and repair
- ▶ Fabricate and supply new parts (soft parts & metal parts)
- ▶ Supply competent manpower

## INSTRUMENT / ELECTRICAL MAINTENANCE, SERVICE TESTING & RE-CALIBRATION

- ▶ In-situ maintenance, service & overhaul
- ▶ Control valve on-site calibration
- ▶ Transmitter annual calibration
- ▶ Plant commissioning and start-up
- ▶ Control valve actuator refurbish and service
- ▶ Built-up control valve control panel and system
- ▶ Supply competent manpower
- ▶ Safety valves pop-test and recalibration on-site

## TESTING & COMMISSIONING

- ▶ This service includes installing, testing, commissioning and maintenance of various type of valves.



# VALVE SERVICE DIVISION

---

## SUPPLY OF VALVE AND SPARE PARTS

- ▶ As an Authorized Distributor for S&S, Samshin, Unicon & SVC Valve in Malaysia and Singapore, we provide a wide range of valve products include control, cryogenic, manual, safety valve & the spare parts.



## ONE STOP SOLUTION PROVIDER

We carry out on-site and in-house valve servicing inclusive of re-conditioning, replacement of parts, testing & calibration as well as ensure continuous production with periodical & preventive valve maintenance and repair service. We are a one-stop valve service on maintenance process from dismantling, overhaul and repair through to re-installation, commissioning and replacement. We know that all valves must be repaired at a certain period, as incorrect valves repair services will cause a part of safety risks. Therefore, with our experienced technical team which are well trained, We always ensure our customers to receive quality valves that meet their expectation after maintenance to receive a longer lifetime. As an Authorized Distributor for S&S, Samshin, Unicon, Dong Kang Metal and SVC Valve in Malaysia and Singapore, we provide a wide range of valve products include manual valve (casting & forging), control valve, cryogenic valve, safety valve & etc which can be referred on our website.



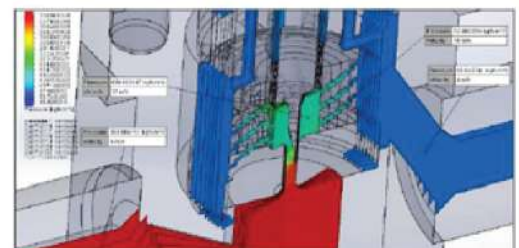
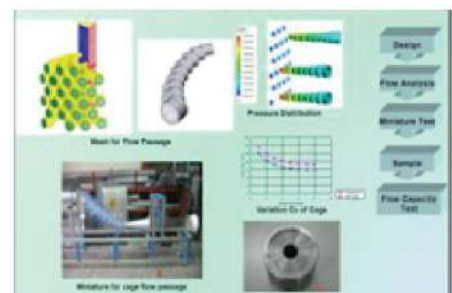
# REVERSE ENGINEERING PHILOSOPHY



In most cases, spare parts supplied by the customers are not compatible because they are obsolete, in other cases they are out of the production or the procurement times cannot be reconciled with the planning of maintenance and operations.

Reverse engineering is the process of extracting knowledge or design information by using 3D scanning data capturing system and redesign a used/new part of valve maker such as stem, trim, packing and so on. By undergoing reverse engineering, parts are not only be duplicated from the original but also improved and upgraded for better performance.

The construction and precision of the build components is guaranteed and attributed to the use of CNC multi-axis machining and turning centers, where the information extracted from the reverse engineering activity and the 3D modelling of the components to be built are perfectly integrated with production CAD/CAM system.



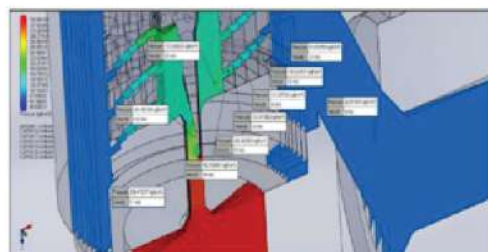
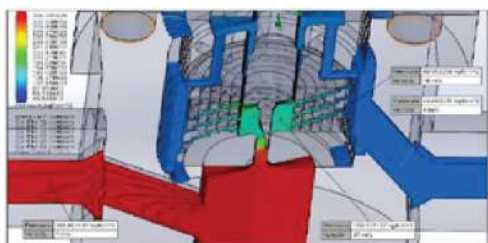


### REVERSE ENGINEERING IN AKEF PROVIDES CUSTOMERS :

- ▶ Complete service from maintenance to the supply of all necessary spare parts
- ▶ The minimization of our customer's warehouse stock
- ▶ Reduction of general maintenance cost
- ▶ Improved and upgraded for better performance

Reverse engineering has the objective of making any changes to the construction materials of the components considered to be damaged early or abnormally in order to improve the mechanical characteristics and increase overall reliability, with benefit on safety as well as economic. Additional goal is to reduce manufacturing cost of the new product making it competitive in the market.

When facing deadlines, demanding outage schedules, or an emergency breakdown, AKEF provides expert services that is designed to minimize downtime and maximize customer satisfaction.



**CUSTOMER SATISFACTION IS OUR PRIORITY!**

# REVERSE ENGINEERING FOR CONTROL VALVE

## EXPERIENCES

Samchunpo TPP unit 1 ; pressure control valve in soot blowing system

Samchunpo TPP unit 2 ; ventilation valve and flow control valve

Phummy unit #3 ; HP feedwater flow control valve



Cage



Seat Ring



Guide



Plug With Stem



Packing



Trim Parts

# REVERSE ENGINEERING FACILITIES

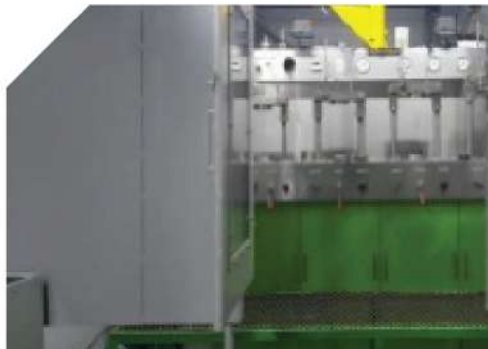
---



CNC



Actuator Test



Hydro Static



Lathe

CNC machine, Lathe machine, Milling machine, Drill machine and welding machine are contributed to manufacturing the valve internal parts.

After manufacture, the dimensional check and NDE test are carried out to ensure the quality and standards of finished product are met.

Before packing, the leak test and pre functional tests are carried out if necessary.

# POWER SERVICE DIVISION

## BOILER REPAIR

AKEF provides a comprehensive selection of boiler repair services. Our services include:

- ▶ Retubing
- ▶ Welding & fabrication
- ▶ Auxiliaries & fittings
- ▶ Refractory
- ▶ Thermal & acoustic insulation
- ▶ Valves service maintenance

## RETROFIT AND UPGRADE CAPABILITIES

The retrofit and upgrading method to be adopted should be decided based on result of inspection and design review.

AKEF can evaluate current boiler or HRSG unit and recommend the right retrofit and upgrade package. AKEF can provide Turn-Key EPC capacity and our services include;

- ▶ PP (Pressure Part) replacement
- ▶ Air and Gas system replacement
- ▶ Fuel feeding system replacement
- ▶ Reverse Engineering

## CONDITION ASSESSMENT SERVICES

To provide a genuine one stop option for all your inspection and assessment needs, AKEF also offer condition assessment service.





## QUALITY ASSURED BOILER INSPECTION SERVICES

### SPECIALIZED HRSG CONDITION ASSESSMENT

- ▶ Header Inspection
- ▶ Phased Array Butt Weld Scanner
- ▶ Water Chemistry Review / Corrosion Assessment
- ▶ Root Cause Analysis



### DETAIL SERVICES

- ▶ Detail internal and external inspection, including auxiliary equipment
- ▶ Punchlist for critical work items
- ▶ Recommendations for both current and future repairs
- ▶ Required material list to accomplish our recommendations
- ▶ Detailed service report including photographs and electronic copy
- ▶ Detail AutoCAD drawings for report illustrations and mapping
- ▶ Ultrasonic data review and planning
- ▶ NDE review and trending
- ▶ Code material requirement and procurement



### BOILER INSPECTION SERVICE

Visual inspection of pressure parts, gas path, steel structure and piping. AKEF will carry out evaluation of the results and present inspection report with recommendation.

### ADDITIONAL OPTIONS INCLUDE

- ▶ Pre-outage walkdown and punch list report based on findings and interviews
- ▶ Thermographic survey to review casing, piping and identify leaks or faulty insulation
- ▶ Recommendation for specialist Non-Destructive Examination (NDE) tasks to be performed during the detailed Boiler inspection (NDE to be performed by a qualified NDE technician)
- ▶ Information Management and outage planning support

# POWER SERVICE DIVISION

---

## SUPPLY OF SPARE PARTS & REPLACEMENT

Regardless of the ancillary equipment required by your boiler or HRSG system, every part you need is available through the spare parts division of AKEF. Each part we offer is engineered and manufactured specifically to suit the original specifications of your equipment.

AKEF is dedicated to providing our clients with replacement parts of the highest quality delivered in a timely manner. To benefit our clients, AKEF maintains a variety of stock items. These parts are available for immediate delivery, and on very short notice.

Trust us to supply the exact replacement parts you need. You will never go wrong with our professional product knowledge. Not only can we supply OEM replacement parts such as valves, gaskets and tubes, we also provide a wide range of specialty replacement parts and upgrade items.



AKEF provides engineered manufacturing and spare parts to clients with the highest quality delivered in a timely manner. To benefit our clients, AKEF maintains a variety of stock items. These parts are available for immediate delivery, and on very short notice. Our service includes;

- ▶ Water wall Panels
- ▶ Coil/loop
- ▶ Bare tubes
- ▶ Finned tubes
- ▶ Headers
- ▶ Harps/ Modules
- ▶ Link and manifold pipe
- ▶ Piping
- ▶ Drums/Blowdown/Flash Tank/ Deaerator
- ▶ Fittings (Elbow, Reduce, Tee etc.)
- ▶ Manhole, Access Door assembly
- ▶ Demister and Steam Drum Internals
- ▶ Duct and casing  
Pyro-Block, H-Board, CMS, Insulation
- ▶ Gas Turbine Air Intake System include Filter
- ▶ Safety valves
- ▶ Motor Operated Valve
- ▶ Control Valve
- ▶ De-superheater (Attemperator) Spray Valve
- ▶ Gate, Check, Non-return, Glove Valves
- ▶ Strainer, Steam Trap
- ▶ Stack damper/ Diverter Damper
- ▶ Instrument, Thermowell, Thermocouple, Transmitters
- ▶ Burner/ BMS
- ▶ Level gauge/RDLI (Remote Display Level Indicator)
- ▶ Metallic and Non-Metallic Expansion Bellows
- ▶ Expansion Joint
- ▶ SCR systems
- ▶ Pump
- ▶ Mobile Gas Turbine Generator/ Diesel Engine Generator



## TRAINING

Based on our experience, many users of boiler/ HRSG units have never been properly trained. To meet productivity targets and emissions regulation, it is crucial to operate and monitor the essential equipment in the right way every day.

By conducting on-site personal training seminars which can be tailored for specific site requirements and providing the service of technical personal assist our clients operation and maintenance team.

We have been able to ensure that O&M (Operation & Maintenance) procedure are properly and efficiently implemented. We also train the Boiler and HRSG engineering and inspection upon customer demand.

Below are some of the training programs that AKEF can provide on-site to suit our client's schedule;

- ▶ Thermal Review of HRSG
- ▶ Code/ Pressure Parts
- ▶ Boiler Component Engineering
- ▶ Life/ Age Analysis
- ▶ Operation Study
- ▶ Thermal Stress Analysis
- ▶ Vibration and Noise Engineering
- ▶ Failure Mechanisms
- ▶ Water Chemistry
- ▶ Boiler Inspection
- ▶ Preventive and Reactive Maintenance
- ▶ Piping Hanger System



HRSG training for Malakoff at Lumut Power Plant

# AKEF GLOBAL PARTNER



**ASMAN KADIR ENGINEERING & FABRICATION SDN BHD**

## PRINCIPAL



**S&S Valve Co., Ltd**  
(Korea)  
▶ Control Valves



VALVES, FORGINGS & CASTINGS  
**Samshin Limited**

**Samshin Limited Co., Ltd** (Korea)  
▶ Manual, MOV Valves



**YongKwang Flexible**

**YONGKWANG Flexible Ind. Co., Ltd** (Korea)  
▶ Expansion Bellows & Expansion Joints



**Unicon System Co., Ltd.** (Korea)  
▶ Bypass, Control Valves & Attemperator



**SVC Inc.** (Korea)  
▶ Safety Valve, Steam Trap



**KUMWOO**

**Kumwoo Eng. Co., Ltd** (Korea)  
▶ Valve Spare Parts



**AQUASTAR Co., Ltd** (Korea)  
▶ Ballast Water Management System (BWMS)



**NRTEC Co., Ltd.**  
Noise Reduction & Tooling Equipment Control

**NRTEC Co., Ltd** (Korea)  
▶ Silencer, Generator, GT Air Intake System



**Seonghwa Industrial Co., Ltd** (Korea)  
▶ Pipe Hangers & Supports



**Samhwa Co., Ltd** (Korea)  
▶ Manufacturing of Pressure Parts



**Eunkwang Bending Co., Ltd. (Korea)**  
 ▶ Rolling, Bending & Welded Tubular



**Flow-Tech Water Treatment Systems**  
 ▶ Chemical Free Water Treatment and Management System



**Yoobong Corporation**  
 ▶ Tube Fining and Bending  
 ▶ Steel Service

**PARTNER**



**HISE Co., Ltd (Korea)**  
 ▶ Engineering & Parts Support in Korea Products



**HEAT TECH POWER SOLUTIONS**  
 ▶ Engineering & Parts support in MENA products Located Abu Dhabi, UAE



**K-TEK International, Inc.**  
 ▶ Engineering & Parts support in US products Located Portland, OR, US



**HSF Heavy Industries**  
 ▶ Sales Partner


















**Seagull Pte. Ltd. (Singapore)**  
 ▶ EPC & Machining for Subbase Related Items

# CORPORATE STRUCTURE



# COMPANY REGISTRATION

 <small>SURUHANJAYA SYARIKAT MALAYSIA COMPANIES COMMISSION OF MALAYSIA</small>	 <small>KEMENTERIAN KEWANGAN MALAYSIA</small>	 <small>CIDB MALAYSIA</small>	 <small>INSTITUTE OF MATERIALS MALAYSIA</small>	 <small>KEMENTERIAN PERDAGANGAN ANTARABANGSA DAN INDUSTRI</small>
<p>Suruhanjaya Syarikat Malaysia (SSM) Registered</p>	<p>Kementerian Kewangan Malaysia (Ministry of Finance) Registered</p>	<p>Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Class G6</p>	<p>Institut Bahan Malaysia (Institute of Materials Malaysia) Registered</p>	<p>Kementerian Perdagangan Antarabangsa dan Industri Registered</p>
 <small>PETRONAS</small>	 <small>TENAGA NASIONAL BERHAD</small>	 <small>PERKESO</small>	 <small>M M H E</small>	 <small>sapura energy</small>
<p>PETRONAS License L-240313-H</p>	<p>Tenaga Nasional Berhad Registered</p>	<p>PERKESO E1118032V</p>	<p>Malaysia Marine &amp; Heavy Engineering (MMHE) Registered</p>	<p>Sapura Energy Berhad Registered</p>
 <small>MISC BERHAD</small>	 <small>ACCREDITED kiwa certified ISO 9001:2015 Reg. No: 17148B-A</small>	 <small>ACCREDITED kiwa certified OHSAS 18001:2007 Reg. No: 17148B-I</small>	 <small>TechnipFMC</small>	 <small>HRDF</small>
<p>MISC Berhad VRS-20180127-0001</p>	<p>ISO 9001 : 2015 17148B-A</p>	<p>OHSAS 18001 : 2007 17148B-I</p>	<p>Technip FMC Registered</p>	<p>HRDF (Pembangunan Sumber Manusia Berhad) Registered</p>

# PROJECT HIGHLIGHT

CLIENT	SCOPE	DIVISION	LOCATION	YEAR	MAIN CONTRACTOR	HOST / OWNER
FPSO Kikeh - Refurbishment and Marine Conversion	Fabrication, Installation and Testing of Marine Piping Systems at Main Deck, Cargo Tank, Pump Room and Fwd Pump Room	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	Jan 05 - May 08	Malaysia Shipyard Engineering	Malaysia Deepwater Floating Terminal (MDFT)
KIKEH DTU Truss Spar	Fabrication & Installation of Structural Steel Works for KIKEH DTU Truss Spar - Jacket	Heavy Engineering Offshore	MSE Pasir Gudang, Johor	Jul 05 - Sep 06	Malaysia Shipyard Engineering	Technip Production (M)
Petlin Turnaround 2006	Shutdown PETLIN, Kerteh Turn Around 2006	Refinery	Kerteh, Terengganu	Feb 06 - Jun 06	Mushtari Maintenance	
FSO Cendor	Hull Outfitting Works for FSO Cendor Conversion	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	Feb 06 - Sep 06	Malaysia Shipyard Engineering	MISC Berhad
FSO Abu Cluster	Hull Outfitting Works for FSO Abu Cluster	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	Feb 06 - Nov 06	Malaysia Shipyard Engineering	MISC Berhad
MTBE, Turnaround	MTBE Shutdown Maintenance Works	Shipbuilding/ Conversion	Gebeng, Pahang	Mar 06 - Jun 06	Mushtari Maintenance	
Titan Butadene & Propylene Project	Piping Fabrication & Installation Works & Commissioning Assistance	Refinery	Pasir Gudang, Johor	Aug 06 - Jan 10	CTCI Engineering & Construction	Titan Chemical
Self-Erecting Drilling Tender Barge	Fabrication, Installation and Testing of Process & Utility Piping and Hull Structure Construction for T10, T11 and T12	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	Oct 07 - May 10	Malaysia Marine & Heavy Engineering Sdn Bhd	Seadrill Asia Pte. Ltd.
FPSO Ruby - Marine Conversion and Topside Piping Works	Refurbishment / Marine Conversion and Topside Fabrication, Installation and Testing of Hull / Vessel Piping Systems Fabrication, Installation and Testing of Topside Piping	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	May 07 - Dec 07	Malaysia Marine & Heavy Engineering Sdn Bhd	MISC Berhad/ Petrovietnam Technical Services
AnDP - D Platform	Structural Works for AnDP - D Platform (Angsi A Ph IV Development Project)	Heavy Engineering Offshore	MSE Pasir Gudang, Johor	Jan 08 - Dec 09	Malaysia Shipyard Engineering	Petronas
B11K-A	Fabrication, loadout and Seafastening Works of B11K-A Structural	Heavy Engineering Offshore	MSE Pasir Gudang, Johor	Apr 08 - Sep 09	Malaysia Shipyard Engineering	Shell
T12 Self Erecting Tender Barge	Installation of Equipment for Cementing Unit	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	May 08 - Jun 08	Dowell Schlumberger International Inc (Panama)	Seadrill Asia Pte. Ltd.

# PROJECT HIGHLIGHT

CLIENT	SCOPE	DIVISION	LOCATION	YEAR	MAIN CONTRACTOR	HOST / OWNER
WD Kent, Seahawk and Searex IX	Installation of Structure Foundation, Piping Equipment Supports for Cementing Unit	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	May 08 - Dec 08	BJ Services Company (Singapore) Pte Ltd	Marlin Offshore
Gumusut Kakap Semi FPS	Fabrication and Installation of Structural Columns and Pontoon/ Fabrication, Installation and Testing of Hull Piping Systems Fabrication and Installation	Heavy Engineering Offshore	MSE Pasir Gudang, Johor	Jan 09 - Jun 12	Malaysia Shipyard Engineering	Sabah Shell Petroleum Co. Ltd. / MISC
LPG Cefalu	Hull Fitting Works for LPG Cefalu	Marine Repair	MMHE Pasir Gudang, Johor	Sep 11 - Oct 11	Malaysia Marine & Heavy Engineering Sdn Bhd	
Bunga Kemboja	Main Exhaust Pipe at Funnel Area for Bunga Kemboja	Marine Repair	MMHE Pasir Gudang, Johor	Oct 11 - Oct 11	Malaysia Marine & Heavy Engineering Sdn Bhd	
MOPU Ocean Legend	Structural Steel Renewal of Mat Tank - MOPU Ocean Legend (Jack Up Rig)	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	Oct 11 - Dec 11	Malaysia Marine & Heavy Engineering Sdn Bhd	
FPSO Cendor Phase 2	Fabrication, Installation and Testing of Hull/ Vessel Piping Systems in Cargo Tanks, Ballast Tanks, Pump Room, Fwd Pump Room and Main Deck	Shipbuilding/ Conversion	MSE Pasir Gudang, Johor	Dec 11 - May 14	Malaysia Marine & Heavy Engineering Sdn Bhd	MISC Berhad/ Petrofac (M) Sdn Bhd
	Fabrication, Installation and Testing of Topside Piping System					
	FPSO Cendor Project - Fabrication & Installation of Helideck Structure					
	FPSO Cendor Project - Miscellaneous Hull Outfitting Works					
FPSO Tullow	Fabrication and Installation of Structural & Piping Works - PAR (Preassemble Rack)	Heavy Engineering Offshore	Gelang Patah, Johor	May 13 - Mar 14	MODEC / Dynamac Engineering Pte. Ltd.	Tullow Ghana Limited
Energy Producer 6	Fabrication & Installation of Generator & VFD Platform Structure	Shipbuilding/ Conversion	MMHE Pasir Gudang, Johor	Feb 14 - Nov 14	Rig Master Pte. Ltd.	Coastal Energy/ MOPU Holdings (Singapore) Pte. Ltd.
Energy Producer 7	Fabrication & Installation of Generator & VFD Platform Structure	Shipbuilding/ Conversion	MMHE Pasir Gudang, Johor	Dec 14 - May 15	Rig Master Pte. Ltd.	Coastal Energy/ MOPU Holdings (Singapore) Pte. Ltd.



CLIENT	SCOPE	DIVISION	LOCATION	YEAR	MAIN CONTRACTOR	HOST / OWNER
Malikai TLP Project	Fabrication and Installation of Structural Columns and Pontoon	Heavy Engineering Offshore	MMHE Pasir Gudang, Johor	Mar 15 - Jan 16	Malaysia Marine & Heavy Engineering Sdn Bhd	Sabah Shell Petroleum Co. Ltd./ MISC
Besar - A WHP Topside	Topside Piping & Structural Works	Heavy Engineering Offshore	MMHE Pasir Gudang, Johor	Jan 15 - Mar 16	Malaysia Marine & Heavy Engineering Sdn Bhd	Petronas Carigali
North Malay Basin Bergading	Structural Works for Turret Support Block	Shipbuilding/ Conversion	MMHE Pasir Gudang, Johor	Oct 15 - Mar 16	Malaysia Marine & Heavy Engineering Sdn Bhd	SOFEC/ Carigali HESS
PFLNG Turret	Turret - Structural & Piping Works	Heavy Engineering Offshore	MMHE Pasir Gudang, Johor	Oct 16 - June 17	Malaysia Marine & Heavy Engineering Sdn Bhd	SOFEC/ Petronas Carigali
Petronas Rapid Package 3 Area 2	Piping Fabrication Works	Refinery	MMHE Pasir Gudang, Johor	Jun 16 - Dec 16	Malaysia Marine & Heavy Engineering Sdn Bhd	Technicas Reunidas
Petronas Rapid - Punj Llyod	Fabrication of Tank Secondary & Outfittings Structure	Refinery	MMHE Pasir Gudang, Johor	Apr 16 - Apr 17	Malaysia Marine & Heavy Engineering Sdn Bhd	Punj Llyod
Dan Gote Calm Buoy Project	Structural, Piping and Mechanical Works	Heavy Engineering Offshore	MMHE Pasir Gudang, Johor	Nov 16 - Feb 18	Malaysia Marine & Heavy Engineering Sdn Bhd	SOFEC Inc
Malakoff Prai Power Plant - Major Outage Aug 2017 (HRSG)	Auxiliary Boiler Repair & Maintenance Works  Engineering, Procurement and Construction of HPHTSH Semi Harps Replacement	Power Generation	Prai, Penang	Nov 16 - Oct 17	HFS - GE Power System Korea	Malakoff Power Berhad
Panglima Power Major Outage Oct 2017 (HRSG)	Engineering, Procurement and Construction of HRSG Flow Corrective Device (Modification to improve HRSG Inlet Flow Profile)  Conditions Assessment of Complete HRSG & BOP Piping Hanger Supports & Replacement Works  Upgrading & Supply of HP Desuperheater Valve (Final Stage) & Desuperheater Pipe Spool (P91 Material)	Power Generation	Telok Gong, Melaka	Jan 17 - Nov 17	HFS - GE Power System Korea	Edra Energy
YLT Power Seraya - Cogen 30 & 40 Major Outage Jan 18 & July 18	Engineering, Procurement and Construction of Condensate Preheater (EC-PR3) Harp Replacement Works  Engineering, Procurement & Construction of HP Economizer Tube Replacement Works	Power Generation	Jurong Island, Singapore	Feb 17 - Aug 18	HFS - GE Power System Korea	YTL Corporation

# PROJECT HIGHLIGHT

CLIENT	SCOPE	DIVISION	LOCATION	YEAR	MAIN CONTRACTOR	HOST / OWNER
4047 Layang Project	Supply of I-Tube Extension Piece	Subsea	Seagull Marine Pte. Ltd., Singapore	Feb 17 - Mar 17	Asiaflex Products Sdn Bhd	Asiaflex Products Sdn Bhd
EPCIC Project D35R-A to D35JT-C	Provision of I-Tube, I Tube Clamp and Riser Guard Fabrication	Subsea	Seagull Marine Pte. Ltd., Singapore	Jun 18 - Oct 18	Technip Marine (M) Sdn Bhd	Roc Oil (Sarawak) Sdn Bhd
ROC Oil D35 Pipeline EPCIC Project	Provision of Fabrication Services for Variaton No. 001 Fabrication of I-Tube, topside clamps, subsea clamps, winch base, fairlead grillage & pad eyes for D18 Phase 2 & D28 Project	Subsea	Seagull Marine Pte. Ltd., Singapore	Jun 18 - Jan 19	Technip Marine (M) Sdn Bhd	Petronas Carigali Sdn Bhd
76477 D18-D28 Project	Supply of I-Tube Centralizer	Subsea	Seagull Marine Pte. Ltd., Singapore	Jul 18 - Oct 18	Asiaflex Products Sdn Bhd	Asiaflex Products Sdn Bhd
Bokor Phase 3 Redevelopment Project	Fabrication of Winch Base Grillage & Fairlead Grillage for WHP	Subsea	Seagull Marine Pte. Ltd., Singapore	Nov 18 - Sept 19	Technip Marine (M) Sdn Bhd	Petronas Carigali Sdn Bhd
Gemusut Kakap PH2 Project	Goosenech Handling Frames & Safety Clamp Inserts	Subsea	Seagull Marine Pte. Ltd., Singapore	Feb 19 - Aug 19	Technip Marine (M) Sdn Bhd	Technip Marine (M) Sdn Bhd
Marine Repair Works	<b>Structural &amp; Piping Works for:</b> LPG RUBRA UMW NAGAS SMILEY LADY LNG PUTERI ZAMRUD CONSORT JUSTICE LNG WOODSIDE DONALDSON X-PRESS GANGES LNG GASELYS LNG SERI ANGGUN SEMUA GEMBIRA LNG PORTOVENERE ICON LUTUS ICON SOPHIA OCEAN FRIEND	Marine Repair	MMHE West Yard, Pasir Gudang, Johor	Mar 10 - Oct 19	Malaysia Marine & Heavy Engineering Sdn Bhd	
FSO Sao Vang - External Turret	Fabrication and Erection of Multidicipline Works; Sructural, Piping and Mechanical	Heavy Engineering Offshore	MMHE Pasir Gudang, Johor	May 19 - Mar 20	Malaysia Marine & Heavy Engineering Sdn Bhd	Promor Pte. Ltd./ Malaysia Vietnam Offshore Terminal (MVOT)
FSO Sao Vang - Vessel RLE & Conversion	Repair Life Extension (RLE) & Coersion of Structural & Piping Works, Forepeak Modification and Turret Integration Works	Shipbuilding/ Conversion	MMHE Pasir Gudang, Johor	May 19 - Mar 20	Malaysia Marine & Heavy Engineering Sdn Bhd	Malaysia Vietnam Offshore Terminal (MVOT)
Bekok A & B Project	Structural, Piping & Mechanical (Multidicipline Package) og 2nos of WHP Topside, Jacket and Bridge	Heavy Engineering Offshore	MMHE Pasir Gudang, Johor	Jan 20 - ongoing	Malaysia Marine & Heavy Engineering Sdn Bhd	Petronas Carigali



**ASMAN KADIR ENGINEERING &  
FABRICATION SDN BHD**

*"Building the Future  
Restoring the Power"*



**ASMAN KADIR ENGINEERING & FABRICATION SDN. BHD.** (240313-H)

Petronas License : L240313H

**Head Office**

No.3, Jalan Sri Plentong 1,  
Taman Perindustrian Sri Plentong,  
81750 Masai, Johor Darul Takzim, Malaysia.

**T** +607-386 1633 **F** +607 386 1733

**E** enquiry@akef.com.my

**W** www.akef.com.my

**Workshop Address**

No.11, Jalan Ekoperniagaan 1/29,  
Taman Ekoperniagaan,  
81100 Johor Bahru,  
Johor Darul Takzim, Malaysia