

About Us

Essem Corporation Sdn. Bhd. Is a Malaysian-based, global service, supply & solutions provider to the oil & gas, energy and maritime industries. We are one of the leading specialists in surface wellheads Christmas tree maintenance services in South East Asia. Our main service programs cover extensive scope of work that is dedicated to maintain the integrity of any brand of surface wellhead systems.

Our extensive commitment to produce high-quality equipment and solutions is one of our top priority in solving any challenges. We constantly explore new and innovative ways to add value and enhance client's success while establishing economical solutions.



Our Mission

We endeavor to provide quality and excellent service through innovation and the adoption of new technologies and to ensure continued growth with our customers and be responsible to the need of our employees.

Our Vision

To be the region's leader in providing quality products and services in oil and gas and petrochemical industry involving offshore and onshore.



Knowledgeable, Trained and Certified

Ranging from periodic Preventive Maintenance (PM) plans to specific Corrective Maintenance (CM), repairs and refurbishment of your wellhead assets. Our team of more than 70 offshore-ready personnel are trained, knowledgeable and certified with more than 10 years of experience.

Systematic, Trackable & Holistic Maintenance Approach

Our approach to proper maintenance strategy and implementation ensures integrity of our clients' assets could be conserved in order for these assets to be safely utilized to the fullest.

Health, Safety and Environmental Policy

Essem Corporation is committed to ensure a safe and healthful workplace while protecting the environment. We recognize the importance of working proactively with employees, customers, the public, governments and others to emphasize the safety of employees and public.

Our business culture will continue to drive improvements of our global HSE procedures and principles. In all Essem Corp. operations, our most important objective is to supply highest standards to maximize the performance of our quality, health, safety and environment.



SERVICES



Wellhead
Preventive & Corrective
Maintenance

Pipeline Valve
Preventive & Corrective
Maintenance

Well
Plug & Abandonment

Flange
Online Tapping

Wellhead
Engineering Consultancy

Marine
Electrical, Instrumentation
& Automation



WELLHEAD

Preventive & Corrective Maintenance

UPHOLDING WELL INTEGRITY

Ensuring reliable and safe operation while extending well production life.

Regular inspection and maintenance will ensure that oil and gas wellhead continue to operate in a safe and efficient manner well past its original field life.

In line with this, **Essem Corporation** offer a detailed Wellhead & Christmas Tree maintenance services for all existing sections including Casing Head, Casing Spool, Tubing Head and Christmas Tree



Preventive Maintenance

- Critical Device Function Test (CDFT) of all wellhead and Christmas valves
- Flushing, Greasing and Lubrication of wellhead and Christmas valves
- Cycling, Leak and Slam Test of Surface Controlled Subsurface Safety Valve (SCSSV), Tubing Retrievable Surface Controlled Subsurface Safety Valve (TRSCSSV) and Wireline Controlled Subsurface Safety Valve (WRSCSSV).
- Actuators function test
- Tubing Head Void Test
- Annulus Pressure Management
- Visual inspection
- Thermal imaging inspection

Corrective Maintenance

- Setting and retrieving of Back Pressure Valve (BPV), Two-Way Check Valve (TWC) and Valve Removal (VR) Plug
- Rectification and replacement of valves and actuators components on wellhead and Christmas tree
- Wellhead and Christmas tree valves change out
- Onshore refurbishment, fabrication, servicing and testing of valves and actuators

PIPELINE VALVE

Preventive & Corrective Maintenance

Proper valve maintenance is always vital, and pipeline valves are no exception. In the pipeline industry, integrity is about preventing spills and leaks making sure pipelines are maintained and operated to be as safe as possible.

This objective can be achieved with **Essem Corporation's** comprehensive maintenance service programmes for pipeline valves.

Corrective Maintenance

- Rectification and replacement of valves and actuators components on pipelines
- Pipeline valves change out
- Refurbishment, fabrication, servicing and testing of valves and actuators

Preserving assets and system functionality to greatly reduce risk of failure.

Preventive Maintenance

- Critical Device Function Test (CDFT) of all pipeline valves
- Flushing, Greasing and Lubrication of pipeline valves
- Actuators function test
- Visual Inspection
- Pressure / leak Test

**GUARANTEEING
OPERATION SAFETY AND
RELIABILITY**



WELL

Plug & Abandonment

It is well known that once a well no longer able to remain economically viable due to drop in production, operators are most likely to abandon that well by plug & abandonment.

In line with this, Essem Corporation offer services complementing well plug & abandonment. Essem Corporation is focused on delivering safe, reliable and cost-effective operations.

SAFE AND EFFICIENT PLUG & ABANDONMENT OF WELLS



Services

- Christmas Tree and Wellhead Nipple Down
- Crossovers / adaptors fabrication
- BOP nipple up / down
- Completion string retrieval
- Conductor retrieval



Ensuring reliable and safe operation while extending well production life.

FLANGE

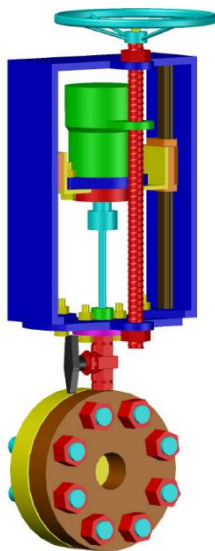
Online Tapping

In the oil and gas industry, some wellheads casing valves that are connected to the conductor and surface casing head / spool are only installed with blind flanges and blind fittings. This results in no physical and safe access to monitor and manage the annulus pressure. In addition, there is no way to test the integrity of the casing valves.

In order to solve this challenge, **Essem Corporation** has developed a solution, **Flange Online Tapping**, that will be able to create an access point to the casing valve bore while maintaining safety as a top priority.

Application

- This service is to establish a safe communication or access by drilling through the flange outer diameter using special drilling machine and equipment to monitor the wellhead annulus pressure, with no interruption of service.



DELIVERING QUALITY SOLUTIONS



Preventing well integrity failure
by annulus pressure
management



WELLHEAD

Engineering Consultancy

GUARANTEEING CLIENT'S SATISFACTION

Empowered with a team of experienced engineers and specialists, **Essem Corporation** brings together engineering and management skills to manage workplaces safely and efficiently. We offer a comprehensive suite of engineering consultancy services for the oil & gas industry, including engineering, procurement and project management.

In addition, we prioritize technical competence and focus on delivering services within schedule. We are customer driven, committed to delivering the best and most appropriate solutions effectively, for our clients' entire satisfaction.



Solving complex engineering challenges and services

Services

- Customized Pressure Diverting Chamber
- Olivals Training Centre (OTC)
- Design, Engineering and Fabrication
 - Wellhead Crossover
 - DSA
 - Trash Cap
 - Test Piece
 - Manual Override Tool
 - Riser

Olivals Training Centre (OTC)

In collaboration with Institut Teknologi Petronas (INSTEP) or Petronas Technical Institute, we offer one of the most comprehensive Wellhead & Xmas Tree Valve Maintenance Training Programme in Malaysia and the South East Asian Region.



“Many years of experience and a proven track record has allowed ESSEM to participate in and establish **great solutions** for our clients in the Oil & Gas, Energy and Petrochemical Industries.”



TRACK RECORDS

WELLHEAD PREVENTIVE & CORRECTIVE MAINTENANCE

Client	Description	Location	Start Year	Duration
ExxonMobil Exploration and Production Malaysia Inc.	Provision of Vetco Gray Wellhead Equipment, Spares & Services	Jerneh-A and Guntong-D, Terengganu	Dec 2024	3 Years
EnQuest Petroleum Production Malaysia Ltd	Provision of Wellhead Maintenance Services	Terengganu	Feb 2024	3 Years
ExxonMobil Exploration and Production Malaysia Inc.	Provision of Preventive & Corrective Maintenance Services to Wellhead	Terengganu	Jan 2024	3 Years
Hibiscus Oil & Gas Malaysia Limited	Provision of Wellhead Maintenance Services	Labuan	March 2023	2 Years, 6 Months
PETRONAS Carigali Sdn Bhd	Provision of Subsea Production Equipments Maintenance Services	Sarawak	Jan 2023	3 Years
Kebabangan Petroleum Operating Company Sdn. Bhd	Provision of Wellhead/Christmas Tree Maintenance & Services	Labuan	Dec 2022	3 Years
Velesto Workover Sdn Bhd	Provision of Wellhead Removal Equipment and Services	Tembungo A&B, Sabah	Oct 2022	2 Years
Dowell Schlumberger (Malaysia)	Provision of Exxonmobil IWS Wellhead Maintenance Services	Terengganu	Feb 2022	1 Year
HESS Exploration and Production Malaysia B.V.	Provision of Wellhead Maintenance Services for NMB Full Field Development	Terengganu / Kelantan	Nov 2021	1 Year
ExxonMobil Exploration and Production Malaysia Inc.	Provision of Vetco Gray Wellhead Equipment, Spares & Services	Terengganu	Nov 2021	3 Years
Sea Hibiscus	Provision of Wellhead Maintenance Services	Sabah	Sep 2021	5 Years
EnQuest Petroleum Production Malaysia Ltd	Provision of Thru Tubing Services and Supplies	PM8E, Terengganu	June 2021	2 Years
EnQuest Petroleum Production Malaysia Ltd	Provision of Wellhead Maintenance Services	PM8E, Terengganu	March 2021	3 Years

Client	Description	Location	Start Year	Duration
Vantage Energy Group	Provision of Wellhead Removal Equipment and Services for RML's IWS to Support South Angsi and Kinabalu P&A Operations	Sabah	March 2021	1 Year
Carigali Hess Operating Company Sdn Bhd	LTSA for Wellhead & Christmas Tree Maintenance Services	Terengganu / Kelantan	Sep 2020	5 Years
Carigali Hess Operating Company Sdn Bhd	Provision of Parts and Associated Services for Vetco Grey Wellhead	Terengganu / Kelantan	Nov 2020	4 Years
VESTIGO Petroleum Sdn Bhd	Wellhead Maintenance Services	Tembikai, Larut, Bentara, Berantai, Anjung Kecil Fields	Jun 2019	2 Years
SEA Hibiscus	Wellhead Maintenance Services	North Sabah EOR PSC, Sabah	Sept 2018	2 Years
EnQuest Petroleum Production Malaysia Ltd	Wellhead Maintenance Services	PM8E, Terengganu	March 2018	3 Years
Sabah Shell Petroleum Co. Ltd	Top Tension Riser Preservation and Maintenance Services	Malikai, Sabah	Nov 2017	3 Years
PETRONAS Carigali Sdn Bhd	Subsea Production Equipment Maintenance	Sarawak, Sabah, Labuan	Aug 2017	4 Years
PETRONAS Carigali (Turkmenistan) Sdn Bhd	Provision of Wellhead XMass Tree Maintenance for PC(T)SB	MDPA, WDPA, CDPA & MOPU, Turkmenistan	March 2016	3 Years
Sarawak Shell Berhad / Sabah Shell Petroleum Co. Ltd	Provision of Maintenance Services for GE Oil and Gas Subsea Assets	Sarawak, Sabah, Labuan	Oct 2016	5 Years
PTTEPI, Myanmar	Provision of Wellhead Maintenance Service	Zawtika, Myanmar	Sept 2015	2.5 Years
PETRONAS Carigali Sdn Bhd	Provision of Wellhead Maintenance Services for SBO & SKO Operations	SBO & SKO, Malaysia	Nov 2012	3+1+1 Years
PETRONAS Carigali Vietnam Limited	Provision of On-Line Valve & Xmas Tree Maintenance, Greasing Services	Ruby & Thai binh, Vietnam	Jan 2011	3+1+1+1 Years

PIPELINE VALVE PREVENTIVE & CORRECTIVE MAINTENANCE

Client	Description	Location	Start Year	Duration
PETRONAS Carigali Sdn Bhd	Provision of Valve Maintenance Services	Sarawak	July 2023	3 Years
PTTEP Malaysia	Provision of Online Valve Leak Sealing Maintenance Services	Bintulu, Sarawak and DTU SPAR, Labuan	Aug 2021	3 Years
PTTEP Malaysia	Provision of Mechanical Valve Maintenance Services	Sabah, Sarawak & Labuan	July 2021	3 Years
PETRONAS Carigali Sdn Bhd	Provision of Valve Maintenance Services for Petronas Carigali Sdn Bhd	Sarawak	Jan 2020	3 Years
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	PGB Kimanis Operation Center, Sabah	June 2019	1 Month
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	PGB GTR Kertih Region, Terengganu	June 2019	4 Months
PETRONAS Gas Berhad	Plug Valve Servicing & Sealing	Kimanis Operation Center, Sabah	May 2019	1 Month
PETRONAS Gas Berhad	Urgent Service and Maintenance of Ball Valves and Plug Valves	PGB GTR Kuantan Region, Pahang	Feb 2019	2 Months
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	PGB Bintulu Operation Center, Sarawak	Feb 2019	2 Months
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	PGB Bintulu Operation Center, Sarawak	Nov 2018	1 Week
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	PGB GTR Miri Operation, Sarawak	Nov 2018	1 Week
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing During Pig Launch	Kimanis Operation Center, Sabah	Oct 2018	2 Months
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	PGB GTR Miri Operation, Sarawak	Aug 2018	2 Weeks

Client	Description	Location	Start Year	Duration
PTTEP Sarawak Oil	Provision of Online Valve Leak Sealing Maintenance Services and Spare Parts	Sabah, Sarawak & Labuan	July 2018	3 Years
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	Kimanis Operation Center, Sabah	July 2018	2 Months
PETRONAS Gas Berhad	To Supply, Install and Services of NPS 12 Serck Audco Plug Valve Gear Box	PGB GTR Sitiawan Region, Perak	June 2018	3 Months
PETRONAS Gas Berhad	Major Service and Maintenance of Actuated Ball Valve	PGB GTR Shah Alam, Selangor	May 2018	2 Months
PETRONAS Gas Berhad	Actuated Ball Valve Servicing & Sealing	Kimanis Operation Center, Sabah	Jan 2018	1 Month

WELL PLUG & ABANDONMENT

Client	Description	Location	Start Year	Duration
COSL Drilling Pan Pacific (Malaysia)	Provision of Integrated Workover for Production Enhancement and for Abandonment	Larut, Terengganu	March 2023	1 Year
PETRONAS Carigali Sdn Bhd	Provision of Technical Support & Services for Well Plug & Abandonment (P&A) and Decommissioning Works of Baker Hughes (BHGE) Vetcogray Subsea Asset	Sarawak	Dec 2022	1 Year
Tanjung Offshore Services	Provision of Plug and Abandonment Integrated Services for M3 Field	Sarawak	Jan 2022	1 Year
Tanjung Offshore Services	Provision of Plug and Abandonment Integrated Services for Pulau A	Sarawak	April 2021	6 Months
Repsol Malaysia Limited	P&A Campaign for South Angsi-A: Wellhead Removal Services	West Malaysia, PMA	March 2021	1 Year
PETRONAS Carigali Sdn Bhd	P&A Campaign for Pulau-A: Wellhead Removal Services	West Malaysia, PMA	July 2021	1 Year
PETRONAS Carigali Sdn Bhd	Well Plug & Abandonment (P&A) and Decommissioning Works of BHGE Vetcogray Subsea Asset	SKO	Jan 2020	1 Year
PETRONAS Carigali Sdn Bhd (Vantage Energy Services)	Provision of Well Abandonment Integrated Services for Kepong A	West Malaysia, PMA	April 2019	1 Year
Exxon Mobil Exploration and Production Malaysia Inc (Halliburton)	Provision of Well Abandonment Integrated Services for Tabu A & Tabu B	West Malaysia, PMA	Feb 2019	2 Months
PETRONAS Carigali Sdn Bhd (Destini Oil Services)	Provision of Well Abandonment Integrated Services for Pulau B	West Malaysia, PMA	Sep 2018	1 Year

ACTUATED VR (AVR) PLUG

Client	Description	Location	Start Year	Duration
Enquest Petroleum Production Malaysia Ltd	Actuated VR (AVR) Plug Installation and Testing	Raya - A	June 2024	2 Weeks
Enquest Petroleum Production Malaysia Ltd	Actuated VR (AVR) Plug Installation and Testing	Seligi - C	Sept 2021	2 Weeks
Enquest Petroleum Production Malaysia Ltd	Actuated VR (AVR) Plug Installation and Testing	Raya - A	April 2021	2 Weeks
Enquest Petroleum Production Malaysia Ltd	Actuated VR (AVR) Plug Installation and Testing	Seligi - G	March 2021	2 Weeks
Enquest Petroleum Production Malaysia Ltd	Actuated VR (AVR) Plug Installation and Testing	Seligi - C	Sept 2020	2 Weeks
Enquest Petroleum Production Malaysia Ltd	Actuated VR (AVR) Plug Installation and Testing	Seligi - E	June 2020	2 Weeks

FLANGE ONLINE TAPPING

Client	Description	Location	Start Year	Duration
Enquest Petroleum Production Malaysia Ltd	Flange Online Tapping of Multiple Wells	Seligi - C	Sept 2020	1 Week
Enquest Petroleum Production Malaysia Ltd	Flange Online Tapping of Multiple Wells	Seligi - E	Sept 2020	1 Week

Empowering Quality Solutions.



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