



## OFFSHORE CONSTRUCTION, COMMISSIONING AND MAINTENANCE SERVICE

Below are listed **current** and major projects **completed** by EJV for the Hook-up and Commissioning Services participating in day to day activities ; Construction, Commissioning and Maintenance Services to the Oil and Gas Industry . Note : The Brownfield Works / Projects are with "**Brown & Bold**" Project Description and Green fields with "**Green & Bold**"

Period	Client & Main Contractor Name of Two Referees	Name of Project / Contract / Location	Description of services provided	Duration
16.02.2011 to 15.08.2011	ExxonMobil Exploration Production (M) Inc. / Ranthil WorleyParsons 1. Mr. Roni Adrian – Chief Executive Officer 2. KC Loke – ExxonMobil Production Projects Department - Systems Completion Tapis EOR and Rejuvenation Project Tel: +603 23802957	W. O. : 101 Tapis EOR & Rejuvenation Project Location: EMPMI KL Office, Onshore + Offshore	Provision of System Completion Lead For Tapis EOR and Rejuvenation Project Detailed Design (Greenfield) - 2 paxs - Ernesto Gutiza & Mario Jucutan	6 Months
05.08.09 to 31.12.2010	Carigali Hess Operating Company Sdn Bhd 1. Mr. Amran Othman – Project Manager CARIGALI HESS Brownfield MRU Project  Tel : 6-03 2179 1267 Tel : 6-03 2179 1267 HP : 6-012 291 8406	W. O. : 096 MRU Project Location: HO-KL, Fab Yard & Offshore at Malaysia – Thai Joint Development (MTJD) Area, Kelantan Water	Provision of Commissioning Management System for Mercury removal Unit (MRU) Project	16 Months
24.11.08 to 31.12.09	Cabinda Gulf Oil Co. Ltd / Sonacergy / Sonamet 1. Mr. Milcar Sreih – SDE Rep. 1. Mr. Jay Morris – Chevron Project Manager, Mafumeira Development Project Contact Tel. no. +84973735544. 2. Mr. John Luby – Chevron Design Manager – Mafumeira Development Project, Contact Tel. no. - +18326156644 3. Mr. Milcar Sreih – Sonamet Project Manager - Mafumeira Norte-KWIP EPC project, Contact tel. no. - +33(0)140976479	W. O. : 093,94 & 95 Project title: Mafumeira Norte Development Project Location: Offshore, Angola, West Africa (Combined HUC for new platform, Mafumeira Norte and Modification Upgrading & Host Tie-in Work to existing platform, KWIP)	EJV Contract Services: Provision of Project Management and HUC Engineering Services, Procurement of equipment, and Consumables, and execution of the Offshore Hook-up & Commissioning for Mafumeira Norte and KWIP mod's and upgrading works.	7 Months
04.08.08 to 31.12.08	Talisman Malaysia Limited / Sime Darby Engineering 1. Ms. Roslinda Abd. Rahim – SDE Rep.	W. O. : 092 Bunga Orkid-A CPP Topsides Location: Onshore Pasir Gudang	Provision of Subcontract for Third Party Monitoring (Consultancy Services)	5 Months
Phase 1 : 15.03.08 to 30.11.08 (8 months) Phase 2 & 3 14.03.09 to 30.06.10 (15 months)	Sarawak Shell Berhad / Brooke Dockyard & Engineering Works Corporation 1. Mr. Ir. Zuraimi Hj. Sabki – CEO/General Manager Contact Tel. No : 082 439732 2. Mr. S. Y. Jong – Proj Manager Contact Tel. No : 082 439732	W. O. : 088 EPC of B11 Living Quarters Module and Helideck Location: Offshore Sarawak	EJV Contract Services: Provision of management and HUC Engineering services, execution of onshore pre-commissioning of B11LQ at BDEW yard- Kuching, and execute the Offshore Hook-up and Commissioning works inclusive of modification and upgrading of existing B11 platform, and works related on PC4 projects.	8 Months + 15 Months (Ext)
14.01.08 to 14.01.09	PT Technip, Indonesia / PT EJV Engineering, Indonesia 1. Mr Rizal Haden – Project Director (PT EJV) 2. Mr. Sekar Subbian – Technip Consult. Manager	W. O. : 86 BP WJR FEED Project Location: Onshore Technip, Jakarta	Provision of Piping Designer Engineer for BP WJR FEED project. <b>Personnel assigned:</b> Amador Aguirre	12 months
15.12.07 to 14.02.08	PT Technip, Indonesia / PT EJV Engineering, Indonesia 1. Mr Rizal Haden – Project Director (PT EJV) 2. Mr. Sekar Subbian – Technip Consult. Manager	W. O. : 85 BP WJR Project Location: Onshore Technip, Jakarta	Provision of Workpack Specialist Engineer for BP WJR Project, Technip Jakarta, Indonesia <b>Personnel assigned:</b> Elly, Santos V, Andriano (1st Batch) – Dec	3 months
31.08.07 to 15.07.08 15.08.08 to 15.10.08	ChevronTexaco / Samsung Heavy Industries Co. Ltd. (SHI) 1. Mr.J.R.Chung – Project Manager (SHI) 2. Mr. Hyung-Tae Kim –Snr. Manager (SHI)	W. O. : 83 TAKULA Gas Processing Platform (TGPP) Project Location: Offshore Angola, Block 'O', West Africa	Provision of Hook-up and Commissioning Work for TAKULA Gas Processing Platform (TGPP) Project, Area 'A' Gas Management Program, Angola, Block 'O' - Hook-up and Pre-Commissioning - Start-up Assistance & Completion	10 months
01.08.07 to 01.12.07	Carigali Hess Operating Co. Sdn Bhd / Kencana HL Sdn Bhd 1. En. Md. Sobri Shuib –GM,KHL 2. Mr. Cyril Lopez	W. O. : 82 Comp. Module 3 (Bumi, Bulan & Suriya) Gas Field Development Location: Malaysia – Thai Joint Development (MTJD) Area, Kelantan Water	Provision of Workpack Development for CM3	126 days
15.04.07 to 27.12.07	Carigali Hess Operating Co. Sdn Bhd / Kencana HL Sdn Bhd 1. En. Md. Sobri Shuib –GM,KHL 2. Mr. Cyril Lopez	W. O. : 81 Bumi, Bulan & Suriya Gas Field Development Location: Malaysia – Thai Joint Development (MTJD) Area, Kelantan Water	Provision of Workpack Development for: 1) Bumi 2) Bulan 3) Suriya	86 days 86 days 86 days

16.04.07 to 15.10.07	P.T. Technip, Indonesia / P.T. EJJV Engineering, Indonesia 1. Pak Angit – B.P. Const. Eng. 2. Mr. Sekar Subbian – Technip Consult. Manager	W. O. : 80 BP's MM Complex Location: Jakarta, Indonesia	Provision of Workpack Specialist Engineer for BP's MM Complex project, Technip Indonesia	6 Months 2 men
07.05.07 to 25.05.07	Sarawak Shell Berhad / Ranhill WorleyPersons Sdn. Bhd 1. Hj. Jamil Masri – Snr. Proj. Manager	W. O. : 079 B11 Redevelopment Compression Project Location: Onshore KL	Conceptual and Design of B11 Redevelopment Compression Project for Package 2008 B11P-A-Offshore Work	1 Month 5 men
01.04.07 to 30.10.07	Petronas Carigali Sdn Bhd / Kencana HL Sdn Bhd 1. En. Dzulkiflie Ahmad – KHL Project Manager	W. O. : 78 PUTERI Field Development Project Location: Offshore Terengganu	Provision of Hook-up and Commissioning for PUTERI Field Development Project.	3 Months 71 men
18.12.06 to 15.02.07	Talisman (M) Limited 1. Mr. Bill Petrie - TML Project Manager	W. O. : 077 Naga Kecil & Kuning Line (Onshore / Offshore) Pre-Fabrication – 12 Men Mess Room (Offshore) Location: Offshore Terengganu	1. Provision for Supervisor Office Relocation E&I Comm. works for Naga Kecil HUC project. 2. Provision for Supervisor Office Relocation Architectural works for Naga Kecil HUC project.	1 Months
28.08.06 to 27.08.07	BG Exploration and Production India Limited 1. Mr. Ajay Banka – Contracts Engineer	W. O. : 076 NRPOD Project Location: Onshore (KL/Dubai) & Offshore (Mumbai, India)	Provision of Commissioning Engineer Services for NRPOD Project	1 Year
01.08.06 to 07.12.06	Kawasaki Heavy Industries Ltd. / Global Process System Sdn. Bhd 1. Mr. Yee Hon-KHI Project Leader 2. Mr. Yong Kai Lock-GPS Project Leader	W. O. : 075 Baram BAK-P Project HUC Project Location: Sabah water	Provision of Manpower Supply for Baram BAK-P Project Maintenance.	5 Months
01.10.06 to 01.05.07	Murphy Sabah Oil Co. Ltd. / Technip Marine Malaysia Sdn. Bhd 1. Mr. Cyril Dupre – Technip Project Director / Proj. Manager	W. O. : 074 KIKEH Spar Project DTU HUC Services Location: Offshore Sabah	Provision of Hook-up and Commissioning Services for KIKEH DTU Project.	7 Months
15.11.06 to 16.12.06	Talisman (M) Limited 1. Mr. Bill Petrie – TML Project Manager	W. O. : 073 Naga Kecil & Kuning Line (Onshore / Offshore) Pre-Fabrication Location: Offshore Terengganu	<u>Kuning-2 Onshore</u> 1. Provision of Supply Material 2. Preparation works for Onshore Fabrication 3. Additional Onshore fabrication for K2 Flowline 4. Onshore Spool Fabrication (Incl. 3 <sup>rd</sup> Party Services) <u>Kuning-2 Offshore</u> 1. Installation of complete Flowlines for Kuning-2 2. Pre-comm / Commissioning works 3. Provision of 3 <sup>rd</sup> Party services for Completion of K2	1 Months
29.09.06 to 16.10.06	Talisman (M) Limited 1. Mr. Bill Petrie - TML Project Manager	W. O. : 072 Naga Kecil & Kuning Line (Onshore / Offshore) Pre-Fabrication Location: Offshore Terengganu	<u>Naga Kecil Offshore</u> 1. Provision of Installation for N-1 Flowline 2. Provision of Installation for N-2 Flowline 3. Pre-comm / commissioning works for N-1 Flowline 4. 3 <sup>rd</sup> Party Services for NK 5. Provision of Deluge System Spool Fabrication & Onshore Installation for NK project 6. Fabrication of Pipe Spool & Support 7. Supply of open top container 8. Supply of Filler Rod Super Weld Duplex	1 Months
28.03.06 to 28.06.06	Talisman (M) Limited / MMHE S/B 1. Mr. Bill Petrie - TML Project Manager	W. O. : 071 South Angsi-A Project Location: Offshore Terengganu	Provision of the onshore fabrication of pipe spools and pipe support for water injection mods and sleeves for bestobell fabrication for South Angsi A	3 Months
01.04.06 to 01.08.06	Petronas Carigali Sdn Bhd / Kencana HL Sdn Bhd 1. En. Roslan Abdullah – Sr. Resident Engineer PCSB 2. En. Zulkiflie Zainol Abidin – KHL Project Manager	W. O. : 070 BAKP-B Integrated Compression Module Location: Offshore Sarawak	Provision of HUC for Offshore BAKP-B Integrated Compression Module at Sarawak Water	4 Months
20.08.05 to 30.07.06	Sarawak Shell Berhad / Malaysia Marine and Heavy Engineering Sdn. Bhd. 1. Mohd. Nasir Ahmad - Project Manager 2. Shah Jahan - HUC Dept. Head	W. O. : 068 Hook Up and Commissioning for E11 PB HUC Project Location: Offshore Sarawak	Provision of Offshore Hook-up and Commissioning Works	11 Months
20.07.05 to 20.11.05	Woodside Australian Energy / Malaysia Marine and Heavy Engineering Sdn. Bhd. 1. Mr. Mohd. Zaaba Hj. Abas - Sr. Manager Projects 2. Mr. Shahrom Idros - Project Manager	W. O. : 067 WinPCS CMS for OTWAY Gas Project Location: Onshore Pasir Gudang	To supply WinPCS Programmer and Administrator to operate and maintain the WinPCS System	4 months
25.07.05 to 31.12.05	Carigali-Triton Operating Company Sdn Bhd 1. Mr. John Michael Pack - Project Manager 2. Mr. Kalwant Singh - HUC Project Leader	W. O. : 066 Cakerawala Gas Facilities Re- Test, Re-Commission & Start-Up Location: Offshore Kelantan - Thailand	Provision of De-Preservation, Re-Commissioning, Re-Testing & Start-Up of CKC Platform.	5 months
20.08.05 to 03.09.05	Sarawak Shell Berhad / Technip Consultant (M) Sdn Bhd 1. Mr. Wong Chu Hing - Project Manager 2. Sally Wong	W. O. : 065 Design Services for E11P-B Platform and Pipelines Location: Offshore Sarawak	Provision of Business Option Case Study for F13 Module	2 Weeks

15.11.04 to 15.07.05	Sarawak Shell Berhad / Malaysia Marine and Heavy Engineering Sdn. Bhd. 1.Mr. Mohd. Zaaba Hj. Abas - Sr. Manager Projects 2.Mr. Mohd. Nasir Ahmad - Project Manager	W. O. : 064 WinPCS CMS for E11L/Q Modules / Helideck Location: Offshore Sarawak	Provision of Completion Management System – CMS for E11Q- A Project	9 months
16.06.05 to 06.08.05	Talisman (M) Limited / Malaysia Marine and Heavy Engineering Sdn Bhd 1. Mr. Bill Petrie - TML P. Manager 2. Mr. Shahjahan Ali - MMHE Comm. Manager	W. O. : 063 South Angsi-A Project Location: Offshore Terengganu	Provision of Hook-up and Commissioning for South Angsi-A Project	1 month 3 weeks
14.03.05 to 31.01.06	Saipem Asia Sdn. Bhd. 1. Mr. Fabio Rosso - M.Director 2. Mr. Haslan Hanafiah - Project Administrator	W. O. : 062 WinPCS CMS for YOHO Phase 2 Location: Onshore Paris & Offshore Nigeria	Provision of Completion Management System – WinPCS Operator Services for Saipem S.A. YOHO Development Project	10 months
27.01.05 to 05.07.05	BP West Java Ltd. / PT Petrosea Tbk – PT Clough Joint Operation 1. Mr. T. Arsono – Proj. Acc. Manager 2. Mr. Vincent Pang - Contracts Manager - APN Project	W. O. : 061 BP APN Project Location: Onshore / Offshore Jakarta, Indonesia	Provision of Commissioning Engineer Assistance for BP APN Development Project in Jakarta, Indonesia.	6 months 1 week
31.01.05 to 15.08.05	Sarawak Shell Berhad / Ramunia Fabricators Sdn Bhd 1. Mr. Mohd. Khairul Nizam - Testing Comm. Manager 2. Mr. Zulkifli Ibrahim - PM	W. O. : 060 WinPCS CMS for E8DR-A Location: Onshore Teluk Ramunia, Pasir Gudang	Provision of Completion Management System – CMS for E8DR- A Project	8 months
01.01.05 to 30.07.05	Sarawak Shell Berhad/Malaysia Marine and Heavy Engineering Sdn. Bhd. 1.Mr. Mohd. Zaaba Hj. Abas - Sr. Manager Projects 2.Mr. Mohd. Nasir Ahmad – P.M	W. O. : 059 WinPCS CMS for E11P-B Location: Offshore Sarawak	Provision of Completion Management System – CMS WinPCS for E11P-B Project	7 months
15.11.04 to 15.07.05	Sarawak Shell Berhad / Malaysia Marine and Heavy Engineering Sdn. Bhd. 1. Mr. Mohd. Zaaba Hj. Abas - Sr. Manager Projects 2. Mr. Mohd. Nasir Ahmad – P. M.	W. O. : 058 WinPCS CMS for SC(F13) Location: Offshore Sarawak	Provision of Completion Management System - CMS for SC(F13) Project	8 months
101.02.05 to 18.08.05	Sarawak Shell Berhad / Malaysia Marine and Heavy Engineering Sdn. Bhd. 1. Mr. Mohd. Zaaba Hj. Abas - Sr. Manager Projects 2. Mr. Mohd. Nasir Ahmad - Project Manager	W. O. : 057 SC Integrated Planner for SCK-A Compression Module Location: Offshore Sarawak	To supply SC Offshore Integrated Planner for the works which includes integrated of all offshore activities.	6 months
15.11.04 to 15.07.05	Sarawak Shell Berhad / Malaysia Marine and Heavy Engineering Sdn. Bhd. 1. Mr. Mohd. Nasir Ahmad – Project Manager	W. O. : 055 WinPCS CMS for SCK-A Compression Module Location: Offshore Sarawak	Provision of Completion Management System – CMS for SCK-A Project : To supply manpower and tools to set-up, operate and maintain WinPCS Management System for SCK-A (M2 and M2A) Project	8 months
01.08.04 to 01.11.05	Saipem Singapore Pte. Ltd. 1. Mr. Eric Matter - Director 2. Ms. Anne Perrine Cades – Logistics & HR Co-Ordinator	W. O. : 054 ERHA Project Location: Onshore Singapore	Provision of Completion Management System – WinPCS for ERHA project.	9 months
01.04.04 to 01.10.05	ExxonMobil Exploration and Production Malaysia Inc. 1. Mr. Foo Toong Lin - Manager Pd. Projects Proc. 2. Mr. James S.C. Phang – Proc. Specialist	W. O. : 052 YOHO EPC2 Project Location: Offshore Sarawak	Provision of Services of WinPCS Administrator for ExxonMobil Development Company (EMDC) Yoho EPC2 Project.	18 months
20.05.04 to 21.11.04	Sarawak Shell Berhad / OGP Technical Service Sdn Bhd 1. Munawar Mohd. Amin – Project Manager 2. Ms. Teresa Ting -EPT-IT-AA	W. O. : 050 E11 Rejuvenation Project Location: Offshore Sarawak	Provision of WinPCS for Project Completions Management System	6 months 3 Weeks
05.01.04 to 01.04.04	Nippon Oil Exploration (M) Ltd. 1. En. Shamsuddin Dosak - Sr. Manager 2. En. Wan Ahmad Azhar - Lead Contracts Engineer	W. O. : 049 Helang Development Project Close Out Phase	Provision of IT Support Services for Helang Development Project Close-Out Phase	4 months
01.02.04 to 30.11.04	Sarawak Shell Berhad via OGP Technical Services 1. En. Mohd. Munawar M. Amin 2. Abdul Hamid Kussim	W. O. : 048 E11 HUB Project Location: Offshore Miri	Provision of Commissioning Engineers for Hook-up and commissioning of E11 Rejuvenation Project	9 months
01.12.03 To 04.05.04	Technip Geoproduction (M) S/B 1. Mr. Boris Elieff 2. Ms. M.C. Jaulmes	W. O. : 046 EPC-1A (7050) East Area Proj. Location: Onshore Technip	Provision of WinPCS for Project Completions Management System	5 months
01.09.03 to 01.11.04	Petronas Carigali Sdn Bhd / HL Engineering (M) Sdn Bhd 1. En. Ali Januddin - PCSB Project Manager 2. En. Mohd. Sobri Shuib - HLE Project Manager	W. O. : 045 West Natuna Project Phase II Location: Onshore Terengganu	Provide Hook-up and Commissioning Management Team & develop workpack and execute the Onshore Pre-commissioning, offshore hook-up and commissioning	15 months
01.09.03 to 01.04.04	Petronas Carigali Myanmar Ltd. / Perunding Ranthill Worley S/B. 1. Mr. Mohd. Rashid Sainal – PCML Project Manager 2. Mr. Keith Garry – RWSB Project Manager	W. O. : 044 Yelagun Field Capacity Upgrade Phase 3 Location: Onshore Batam / Offshore Yelagun	Provision of Onshore Pre-commissioning & Commissioning and Offshore Commissioning works	7 months

01.04.03 to 30.04.04	Malaysia Marine & Heavy Engineering Sdn Bhd / Carimin Sdn Bhd 1. En. Mohamed Zaaba Hj. Abbas - Sr. Project Manager 2. En. Mokhtar Bin Hashim - General Manager	W. O. : 043 Helang Central Platform Integrated Topsides Location: Onshore MMHE Yard, Pasir Gudang / Offshore Sarawak	Provision of Interim Operations Assistance during Fabrication, Onshore and Offshore Commissioning of Helang Central Platform - Operation Technician	12 months
01.04.03 to 30.04.04	Malaysia Marine & Heavy Engineering Sdn Bhd / Dexel Sdn Bhd. 1. En. Mohamed Zaaba Hj. Abbas - Sr. Project Manager 2. Mr. Chang Choon Kiang -Managing Director	W. O. : 042 Helang Central Platform Integrated Topsides Location: Onshore MMHE Yard, Pasir Gudang / Offshore Sarawak	Provision of Interim Operations Assistance during Fabrication, Onshore and Offshore Commissioning of Helang Central Platform – Operation Technician	12 months
25.06.03 to 25.08.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Manager 2. En. Suhailai Nordin – MMHE Project Manager	W. O. : 041 Helang Late Early Work Location: Offshore Sarawak	Provision of Late Early Offshore Work for Helang Central Platform.	2 months
16.12.02 to 05.04.04	Petronas Carigali Myanmar Ltd. / Perunding Ranhill Worley S/B. 1. Mr. Mohd. Rashid Sainal – PCML Project Manager 2. Mr. Keith Garry – RWSB Project Manager	W. O. : 040 Yelagun Field Capacity Upgrade Phase 3 Location: Onshore Batam / Offshore Yelagun	Provision of WinPCS for Project Completions Management System	4 months 2 weeks
11.04.03 to 11.05.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Mgr 2. En. Suhailai Nordin – MMHE Project Manager	W. O. : 039 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang	Provision of Early Hook-up Work for Helang Central Platform	1 month
01.11.02 to 30.09.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Mgr 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W. O. : 038 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang	1. Provide Project Management Team, Onshore Commissioning, Offshore HUC and Commissioning Supervision and Support Services. 2. Procurement of project materials 3. Execute hook-up and commissioning works	12 months
02.09.02 - 30.03.03 & 01.04.03 - 30.12.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Manager 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W. O. : 037 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang / Offshore Miri	Provision of NEDMS IT Managed and Maintenance for the Fabrication of HCPT Phase I and II.	15 months
01.09.02 to 30.06.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Mgr 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W. O. : 036 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang / Offshore Miri	Provision of Resources Assistant – Ms. Alau Gatum for Helang Project.	9 months
12.09.02 to 11.07.03	Petronas Carigali Myanmar Ltd. / Perunding Ranhill Worley S/B. 1. Mr. Mohd. Rashid Sainal – PCML Project Manager 2. Mr. Keith Garry – RWSB Project Manager	W. O. : 035 Yelagun Field Capacity Upgrade Phase 3 Location: Onshore Batam / Offshore Yelagun	Provision of Commissioning Workpack Development Package	9 months 3 weeks
15.08.02 to 15.07.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Mgr 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W. O. : 032 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang	Provision of Technical Support and Coordination Services for Helang ICT.	11 months
07.08.02 to 30.01.04	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd. 1. Mr. L. Hazlett – NOEX Sr. Mgr 2. En. Mohd. Zaaba Hj. Abas – MMHE Sr. Project Manager	W. O. : 031 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang	Provision of Technical Support Team for operation and maintenance assistance during fabrication, onshore and offshore commissioning of Helang Central Platform.	19 months 2 weeks
01.06.02 to 30.09.03	Nippon Oil Exploration (M) Ltd / Malaysia Marine & Heavy Engineering Sdn Bhd.  1. Mr. L. Hazlett – NOEX Sr. Mgr 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W. O. : 029 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang	Develop of Helang Integrated Platform HUC Workpack	15 months
11.04.02 to 10.10.03	Nippon Oil Exploration (M) Ltd / Velosi (M) Sdn Bhd. 1. Mr. L. Hazlett - NOEX Sr. Manager 2. En. Mohd. Ashari Abas - Operations Director	W. O. : 028 Helang Central Platform Integrated Topsides Location: Onshore Pasir Gudang	Provision of Commissioning Engineers for hook-up and commissioning for Helang CPI Project	17 months 3 weeks
30.07.02 to 10.07.03	PCSB / BDEWC Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Zuraimi Hj. Satki -CEO/GM	W. O. : 027 Angsi-B Flowlines Location: Offshore Terengganu	Fabrication, Hook-up and Commissioning of ANGSI-B Flowlines Installation of Twenty Three (23) Wellheads, Relocation of Diverter Valves and Shutdown works.	12 months
31.12.01 to 17.06.02	PCSB / Shapadu E & E S/B. 1. En. Ahmad Mazlan Othman 2. En. Mohd. Mahidin Abu Kassim - General Manager	W. O. : 026 Resak Compression Platform Location: Offshore Terengganu	1. Develop Workpack for the Phase I, II & III of the HUC works. 2. Execute onshore prefabrication of structural manhours and GCP pipings.	6 months 3 weeks
04.06.01 to 10.07.01	PCSB / FPSO Trenergy Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Madzri Abd. Rahman - General Manager, Operations	W. O. : 025 Shutdown Modification of FPSO Perintis, Malong Location: Offshore Terengganu	Provision of Project Management Team (PMT) to conduct repair during shutdown period.	4 months 1 week
20.01.02 to 30.05.02	PCSB / Sarku Eng. Services S/B 1. En. Ahmad Mazlan Othman 2. En. Rohaizad Darus –Exe.Director	W. O. : 024 West Natuna-Duyong Gas Tie-In Location: Offshore Terengganu	1. Develop Workpack for the onshore prefabrication for the Phase I, II, III and IV of the HUC works. 2. Execute onshore prefabrication of structural manhours and GCP pipings.	1 month

25.07.01 to 31.07.03	Nippon Oil Exploration (M) Ltd / MMHE Sdn Bhd. 1. Mr. L. Hazlett - NOEX Sr. Mgr. 2. En. Mohd. Zaaba Hj. Abbas - MMHE Sr. Project Manager	W. O. : 023 WinPCS CMS for Helang CPI Topsides Location: Onshore Pasir Gudang	Provision of WinPCS for Project Completions Management System for Helang CPI Topsides.	12 months
04.06.01 to 10.07.01	Petronas Carigali Sdn. Bhd. / Trenergy FPSO Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Madzri Abd. Rahman	W. O. : 020 POL/MASA/02 Shutdown Modification of FPSO Location: Offshore Terengganu	1. Provision of Project Management Team (PMT) to conduct repair during shutdown period	1 month 1 week
28.04.01 to 04.11.01	Petronas Carigali Sdn. Bhd. / Haven Engineering Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Aminuddin Abd. Rahman – Project Director	W. O. : 019 / WGO.: 004 Well Tie-in Bekok C Location: Offshore Terengganu	1. Provide Project Management Team and Develop Workpack and planning package for the modification, flowline installation and tie-in to new wells. 2. Execute the offshore modification, flowline installation and tie-in works. 3. Assistance to the start-up and final hand-over to operation.	6 month 1 week
27.07.01 to 22.02.02	Petronas Carigali Sdn. Bhd. / Haven Engineering Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Aminuddin Abd. Rahman – Project Director	W. O. : 018 / WGO.: 007 Modification of Pulau-A (Phase II & IV) Location: Offshore Terengganu	1. Provide PMT and develop workpack / planning package and procedures for the modification, upgrading and installation of gas dehydration package to PULAI-A production / drilling platform. 2. Execute the offshore modification and upgrading of existing facilities and installation glycol regeneration package, glycol contactor tower, new gas flowline manifold, well head control panel, gas section scrubber and all associated E&I works. 3. Testing and Commissioning of the new systems. 4. Assistance to start-up and final hand-over to Operations. 5. As-builting and final documentation.	6 months
08.07.01 to 25.01.02	Petronas Carigali Sdn. Bhd. / Haven Engineering Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Aminuddin Abd. Rahman – Project Director	W. O. : 018 / WGO.: 007 Modification of Duyong CPP (Phase I and Phase III) Location: Offshore Terengganu	1. Provide PMT and develop workpack / planning package and procedures for the modification works on Duyong CPP Phase I & II drilling and production platform. 2. Onshore Prefabrication of pipe spools and structural deck framing. 3. Execute the offshore modification and tie-in of new pipings and installation of structural deck framings. 4. Testing / Commissioning and handover to operations. 5. As-builting and final documentation.	6 month 2 weeks
30.06.01 to 04.08.01	Petronas Carigali Sdn. Bhd. / Haven Engineering Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Aminuddin Abd. Rahman – Project Director	W. O. : 017 / WGO.: 002 Modification of Dulang A & B platform Location: Offshore Terengganu	1. Provide Project Management Team and develop workpack / planning package and procedures for the modification works on Dulang A & B. 2. Execute the offshore modification and comm. works. 3. As-builting and final documentation.	1 month 1 week
21.02.02 to 22.03.02	Petronas Carigali Sdn. Bhd. / Haven Engineering Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Aminuddin Abd. Rahman – Project Director	W. O. : 015 / WGO.: 003 Offshore Modification for Samarang B Location: Offshore Terengganu	1. Provide PMT and develop workpack / planning package and procedures for the modification works on Samarang B drilling and production platform. 2. Onshore Prefabrication of pipe spools and structural deck framings. 3. Execute the offshore removal of existing helideck, modification and tie-in of new pipings and installation of structural deck framings. 4. Testing / Commissioning and handover to Operations. 5. As-builting and final documentation.	1 month
20.07.01 to 19.12.01	ESSO Production (M) Inc. / Malaysia Shipyard and Engineering Sdn Bhd 1. En. Zaaba Abd. Rahim 2. En. Mohd. Zaaba Hj. Abbas	W. O. : 014 Larut A-CPP Topsides Location: Offshore Terengganu	1. Provide Technical support, supervision and technician to Malaysia Shipyard Engineering on the onshore pre-commissioning of Larut A- CPP topside in MSE, Pasir Gudang. 2. Provide HUC Project Management Team and develop HUC workpack/planning package and commissioning procedure. 3. Execute the HUC Larut A - CPP topsides comprising of Gas Turbine Genset, Gas Turbine Compression, Water Injection, Compression & dehydration, oil & gas wells and production facilities, fire & Gas protection and detection system, etc. 4. Assistance to start-up and final hand-over to operation. 5. As-builting and final documentation.	5 months 3 weeks
15.07.00 to 26.07.01	Petronas Carigali Sdn. Bhd. / Brooke Dockyard Engineering Sdn Bhd 1. En. Ahmad Mazlan Othman 2. En. Zuraimi Hj. Sabki - MD/CEO	W. O. : 009 Angsi B Platform Location: Offshore Terengganu	1. Develop workpack/planning package and commissioning procedures and provide technical support to BDEWC, supervision for the onshore pre-commissioning / commissioning of Angsi B topsides. 2. Provide HUC Project Management Team and develop HUC workpack / planning package and commissioning procedures. 3. Execute the offshore hook-up and commissioning. 4. As-builting and final documentation.	2 weeks
19.11.99 to 05.12.99	Petronas Carigali Sdn Bhd / Dayang Enterprise Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 008 / WGO.: 009B Erb West Revisit Work (EWDP- B) Location : Offshore Sabah	Engineering workscoping and workpack development, procurement of project material, pre-fabrication of spool and miscellaneous structural. Execute hook- up and commissioning works.	2 weeks
05.12.99 to 20.06.01	Petronas Carigali Sdn Bhd / Dayang Enterprise Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 008 / WGO.: 009D Erb West Revisit (EWDP-B) Location : Offshore Sabah	Engineering workscoping and workpack development, procurement of project material, pre-fabrication of spool and well head tie-in.	5 months 3 weeks
20.09.00 to 15.11.00	Petronas Carigali Sdn Bhd / Dayang Enterprise Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 007 / WGO.: 015B Modifications of Bekok-C Location : Offshore Terengganu	1. To fabricate, install and test 10 nos. of new crude flowlines. 2. To fabricate, upgrade and test 3 nos. of existing crude flowlines. 3. To fabricate, install and test 21 nos. of gas lift lines and gas lift header. 4. To perform modifications of various piping and instruments to cater for Siprod operations. 5. To fabricate, install and test structural members for strengthening of MSF truss north side below module M1 6. To fabricate, install and test structural members for new service platforms. 7. To fabricate, install and test structural members for extension of deck for stair way landing are and relocation of stairway. 8. To fabricate, install, modify and test structural members including the potable water tank to suit for the installation of new firewater pump. 9. To install and test the extension to the existing wellhead control and pneumatic shutdown panel. 10. To install, calibrate and test all associated field instruments as identified in the drawings. 11. To install and comm.the new wellhead equalization pump. 12. To install and comm. the new firewater pump skid. 13. To fabricate, install and test all others structural, piping and instrument items as specified in the AFC package. 14. To supply manpower, tools and equipment to execute all the above works.	2 months

15.03.00 to 20.09.00	Petronas Carigali Sdn Bhd / Dayang Enterprise Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 006 / WGO.: 022 Samarang Gaslift Pipeline Replacement Project Location : Offshore Sabah	1. Procurement, prefabrication and offshore HUC of the new samarang gaslift pipeline. 2. Project workpack preparation and procedures.	6 months 1 week
11.08.00 to 30.09.00	Petronas Carigali Sdn Bhd / Malaysia Marine & Heavy Eng. Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W.O. : 002 Contract No. : 36099332 ANDR-A Platform Location: Offshore Terengganu	1. Develop workpack/planning package for offshore hook-up and commissioning. 2. Technical support and supervision in the onshore pre-commissioning work. 3. Offshore Hook-up and Commissioning work. 4. Start-up and final hand-over to operation.	1 month 3 weeks
02.03.00 to 23.10.00	ESSO Production (M) Inc. / Malaysia Marine & Heavy Eng. Sdn Bhd 1. En. Zaaba Abd. Rahim 2. En. Mohd. Zaaba Hj. Abas - MMHE Sr. Project Manager	W.O. : 001 Contract No. : 36099333 Guntong D Module 5. Gas Compression Module Hook-up and Commissioning Location: Offshore Terengganu	1. Develop Workpack / Planning Package for Hook-up and Commissioning of Guntong - D M5 Phase 1 : Modification of existing GUD facilities in preparation for GUD-M5 module and HUC. Phase 2 : GUD-M5 Compression module final tie-in and HUC. 2. Offshore installation of new piping system, new launcher/ receiver and equipments, modification works to GUD existing facilities. 3. Offshore hook-up and commissioning of GUD-M5 compression module and final tie-in to GUD existing facilities. 4. Assistance to Start-up of the new facilities and final hand-over to operation. 5. As-built and final documentation.	7 months 3 weeks

**CONTRACT TITLE : PROVISION FOR HOOK-UP AND COMMISSIONING OF CARIGALI FACILITIES CONTRACT : CH02 / C3 / 1997 / DCE / 079**

16.03.98 to 02.05.98	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 001 Pulai-A Gas Compression Upgrade Location: Offshore Terengganu	1. Workpack development and workschoping. 2. Procurement of all project material. Onshore pre-fab. of structural, piping and miscellaneous Elect. & Inst. items. 3. Modifications and upgrading the existing platform for installation of new compressor. 4. Installation of new compressor, HUC systems i.e. Fire Gas System, DCS, gas compression system.	1 month 2 weeks
01.05.98 to 31.08.98	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 002 Solong A (STJT-A) Platform Location : Offshore Terengganu	Workpack development include preparation of procedures and acceptance criteria. Procurement of project materials, prefabrication of spool and miscellaneous structurals and hook-up and commissioning work i.e. Fire and Gas, DCE, SDS, WHCP, Power Generation etc.	4 months
01.01.98 to 31.07.98	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 003 Malong (MLTJ-A) Platform Location : Offshore Terengganu	Workpack development include preparation of procedures and acceptance criteria. Procurement of project materials, prefabrication of spool and miscellaneous structurals and hook-up and commissioning work i.e. Fire and Gas, DCE, SDS, WHCP, Power Generation etc.	7 months
01.08.98 to 30.11.98	Petronas Carigali S/B 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 004 Anding (ADJT-A) Platform Location : Offshore Terengganu	Workpack development include preparation of procedures and acceptance criteria. Procurement of project materials, prefabrication of spool and miscellaneous structurals and hook-up and commissioning work i.e. Fire and Gas, DCE, SDS, WHCP, Power Generation etc.	4 months
01.01.98 to 31.07.98	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 005 Resak OGT Joint Delivery System (JDS) Tie-in Preparatory works Location : Offshore Terengganu	Workpack development includes preparation of procedures & acceptance criteria. Procurement of all project material. Onshore pre-fabrication of structural, piping and miscellaneous electrical & instrumentation items. Packing, crating and transportation of materials from fabrication yard to worksite. Onshore demolition/removal, installation, Hook-up/tie-in and Commissioning works. Preparation of as-built drawings and compilation of final documentation.	7 months
01.01.98 to 31.07.98	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 006 OGT Joint Delivery System (JDS) Shutdown Maintenance Work Location : Offshore Terengganu	Procurement of all project material. Onshore pre-fabrication of structural, piping and miscellaneous electrical and instrumentation items. Packing, crating and transportation of materials from fabrication yard to worksite. Onshore construction, testing and commissioning. Preparation of as-built drawings and compilation of final documentation.	7 months
22.02.99 to 31.03.99	Petronas Carigali S/B 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 007 Erb West Revisit Work (EWDP- A) Location : Offshore Sabah	Workpack development and preparation of procedures acceptance criteria. Procurement of project material, pre-fabrication of spool and miscellaneous structural. Execute hook-up and commissioning works.	1 month 1 week
22.02.99 to 31.03.99	Petronas Carigali S/B 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. 008 Samarang New Compressor Off Module Works Location : Offshore Sabah	Workpack development, Workschoping and procurement of project material, pre-fabrication of spool and miscellaneous structurals. Execute hook-up and commissioning works.	1 month
19.11.99 to 05.12.99	Petronas Carigali Sdn Bhd / Dayang Enterprise Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O.: 008 / WGO.: 009B Erb West Revisit Work (EWDP- B) Location : Offshore Sabah	Engineering workschoping and workpack development, procurement of project material, pre-fabrication of spool and miscellaneous structural. Execute hook-up and commissioning works.	2 weeks
05.12.99 to 20.06.01	Petronas Carigali Sdn Bhd / Dayang Enterprise Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O.: 008 / WGO.: 009D Erb West Revisit Work (EWDP- B) Location : Offshore Sabah	Engineering workschoping and workpack development, procurement of project material, pre-fabrication of spool and well head tie-in.	5 months 3 weeks
11.08.99 to 25.08.99	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 010 Tembungo-B Revisit Works Location : Offshore Sabah	Engineering design and constructability review, workschoping and equipment for the workpack development, Procurement of project material, pre-fabrication of spool and miscellaneous structural. Execute hook-up and commissioning works.	2 weeks
20.10.99 to 18.11.99	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 011 Resak RDP-A Location : Offshore Terengganu	Workpack development and Preparation of procedures and acceptance criteria. Procurement of project Materials, prefabrication of spool and miscellaneous structurals. Execute HUC work.	1 month

20.10.99 to 31.01.00	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 012 Resak RCPP Location : Offshore Terengganu	Workpack development and Preparation of procedures and acceptance criteria. Procurement of project Materials, prefabrication of spool and miscellaneous structurals, Execute hook-up and commissioning work i.e. Fire Gas System, SDS/DCS system, Power Generation, Telecommunication and paging system etc.	3 months 2 weeks
20.10.99 to 18.11.99	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 014 Samarang New Compressor Location : Offshore Sabah	To procure piping tie-ins materials for the hook-up and commissioning works. To procure telecommunication package and deliver to onshore fabrication Penang shipyard & construction for installation.	1 month
01.05.00 to 20.05.00	Petronas Carigali S/B 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 015C Bekok-C FWPC Cosing & Clamps Location : Offshore Terengganu	Work Development and execution of structural and piping modification works required for FWPC clamps and casings.	3 weeks
16.08.99 to 25.08.99	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 016 Duyong-A Revisit 2 Location : Offshore Terengganu	1. Workpack development and workscoping. 2. Procurement of all project material. Onshore pre-fabrication of structural, piping and miscellaneous electrical & instrumentation items. 3. Modifications and upgrading the existing platform for installation of new compressor. 4. Installation of new compressor, hook-up and commissioning systems such as Fire Gas System, DCS, gas compression system.	1 week
16.03.99 to 30.06.99	Trenergy S/B through Petronas Carigali S/B 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 017 Commissioning of FPSO Perintis MASA development Project Location : Offshore Terengganu	1. To provide the PMT for HUC. 2. To supply all materials not supplied by Trenergy/Vendors which are required to rectify all Marine and process system punchlists. 3. To perform engineering, pre-fabrication and installation work for rectification of all Marine and process system punchlists. 4. To provide all required resources (Manpower, tools & Equipment etc) to perform the scope specified in 1.0. 5. To provide manpower (PMT personnel and direct) to perform the pre-commissioning and commissioning of the FPSO.	3 months 1 week
12.10.99 to 03.03.00	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 019 Malong-A Platform Location : Offshore Terengganu	1. Procurement & hook-up work to complete all post drilling work includes reinstatement of the platform from SIPROD to normal mode. 2. Blasting and painting.	5 months 1 week
22.02.00 to 08.04.00	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 020 Modification of Pulau-A Platform Location : Offshore Terengganu	1. To modify platform for drilling of new wells flowlines. 2. To perform flowline tie-in and post drilling reinstatement.	1 month 3 weeks
12.10.99 to 31.10.99	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 021 Installation of Flowlines for Anding-A platform Location : Offshore Terengganu	1. Procurement, fabrication and installations of flowlines for Anding-A platform	3 weeks
15.04.00 to 30.04.00	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 023 Minor Prefab of Spillover Piping Tie-in for MLNG-3 Pipeline Project Location : Offshore Sarawak	1. Fabrication and transportation of spillover tie-in for MLNG-3 pipeline project.	2 weeks
07.11.99 to 27.11.99	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 024 Ruby-A Platform Location : Offshore Vietnam	Workpack preparation for the hook-up and commissioning for Ruby-A drilling platform upgrade	2 weeks

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**CONTRACT TITLE : PROVISION OF MINOR ONSHORE AND OFFSHORE CONSTRUCTION FOR SAMARANG FIELD**

23.04.97 to 06.05.97	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : SM-0001 Kinabalu Tie-Ins at Samarang Platform Location: Offshore Sabah	1. Execute Workscoping and Workpack dev. 2. Modify, fabricate install, tie-in, inspect and commissioning the following platform (SMG-A, SMP-A, SMR-A and SMQ-A) in accordance with the relevant drawings, detailed work scope and specifications.	2 weeks
08.04.97 to 23.07.97	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : SM-0002 Samarang Major Maintenance Work Location: Offshore Sabah	1. Execute Workscoping and Workpack Dev. 2. Modify, fabricate, install, tie-in, inspect and commissioning platforms SMG-A, SMQ-A and SMV-AA in accordance with the relevant drawings, detailed work scope and specifications. 3. Provision of Marine spread.	3 months 2 weeks
03.04.97 to 07.05.97	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : SM-0003 Samarang SMJT-D, SMJT-C and SMP-C Modifications. Location: Offshore Sabah	1. Execute Workscoping and Workpack Dev. 2. To procure, deliver, fabrication and install all structural members associated to the above platforms modifications in accordance with the relevant drawings, MTO listing, work scope and specification attached. 3. To procure, deliver, fabricate, install, test and commission all piping, fittings, valves, check valves and supports associated to the above platforms modifications in accordance with the relevant drawings, MTO listing, scope and specification. 4. To reinstate to normal mode after drilling is completed the above platforms modification in accordance with the relevant drawing MTO Listing and Specification.	1 month 1 week
01.08.98 to 30.11.98	Petronas Carigali Sdn Bhd 1. En. Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : SM-0004 Samarang SMJT-F Modifications Location: Off Sabah	1. Execute Workscoping and Workpack Dev. 2. Procure, deliver, fabrication and install all structural members associated with the platforms modifications in accordance with the relevant drawings, MTO listing, work scope and specifications. 3. Procure, deliver, fabricate and install all piping, fittings, valves and supports associated with the platform modifications in accordance with the relevant drawings, MTO listing, work scope and specifications.  4. Provision of Marine Spread. 5. Reinstate to normal mode after drilling is completed the above platforms in accordance with the relevant drawings and specifications.	3 months

07.05.97 to 07.06.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : SM-0005 Samarang SMJT-D, SMJT-E, SMP-A Modifications Location: Offshore Sabah	1. Execute Workscoping and Workpack Dev. 2. To procure, deliver, fabrication, install, test and commission all piping, fittings, valves, check valves and supports associated to the above platforms modifications in accordance with the relevant drawings, MTO listing, work scope and specification. 3. To procure, deliver, install, test and commission instruments, fittings, valves, tubing, trays and supports associated to the above platforms modifications in accordance with the relevant drawings, MTO listing, work scope and specifications. 4. To reinstate to normal mode after drilling is completed the above platforms modification in accordance with the above MTO listing and specification.	1 month
16.06.97 to 19.07.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : SM-0006 Samarang Fire and Gas Modifications. Location: Offshore Sabah	1. Execute Workscoping and Workpack Development. 2. Procure, deliver, fabrication and install all structural and support members associated with the fire and gas panel modifications in accordance with the relevant drawings, MTO listing, work scope and specifications. 3. Relocate existing gas detectors, install new gas detectors, install new Mashalling cabinet and MFAP associated with fire and gas modifications in accordance with the relevant drawings, MTO listing workscope and specifications. 4. Disconnect and remove existing cables from existing Mashalling cabinet(TB-II) & MFAP, lay and terminate new cables associated with the relevant drawings, MTO listing, workscope and specifications. 5. Provision for calibration and testing of instruments that were installed.	1 month

**Regional – South East Asia**

**CONTRACT TITLE : PROVISION OF MINOR FABRICATION WORKSHOP AND OFFSHORE INSTALLATION SERVICES**

30.03.97 to 18.12.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : SM-0056 SMQ-A Structural Maintenance Location: Offshore Sabah	To carry-out onshore fabrication and materials supply for the SMQ-A topside major maintenance. Details for the scope of replacement are as listed in the workscoping report. Scope of work include but not limited to the followings: - Raise MTO from the work scoping report. - Procure materials. - Onshore fabrication which includes inspection and painting precommissioning. - Seafastening for load-out. - Close-out report shall include mill certs, RT results, as-built dimension and hydrotest records.	7 month 2 weeks
23.12.96 to 05.02.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : SM-0059 P-805 Repair and Commissioning Location: Offshore Sabah	To retrieve from SBO, disassemble, inspect, repair & service, reassemble, package and assist in installation & commissioning at SMG for one unit united centrifugal pump from SMP-A, tagged P-805. Details scope shall be but not limited to as follow: 1. Disassemble unit for complete inspection. 2. Inspection Mechanical seals for DE & NDE 3. Refurbish (machine or rethread) NDE or rotor shaft for thrust bearing lookout. 4. Perform dynamic balancing of rotor shaft. 5. Inspect & replace all worn out bearings. 6. Carry out leak test on pump after complete assembly. 7. Assist in installation of pump at SMG. 8. Assist in start-up & Commissioning of pump.	2 months
11.11.96 to 12.01.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 069 SMPB P804 Caterpillar Engine, including mechanical seal offshore inspection Dismantle & Installation Location: Offshore Sabah	Trouble shooting, testing of engine to assess condition recommendation to service top/bottom overhaul procure parts execute overhaul, test runs and final documentation.	2 months
13.11.96 to 20.12.96	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 072 Vessel Cleaning and Inspection on Unit / Train ShutDown Pressure Location: Offshore Sabah	To clean and inspect 3 units of pressure vessels for Samarang the scope of work include but not limited to the followings: 1. Erect scaffolding where necessary. 2. To positive isolate, Depressurisation and secure system after shutdown. 3. Open vessels man hole/head cover/inspection holes. Internal vessel cleaning. 4. Carry out repair and parts replacement if any. 5. Remove spading box-up vessels. 6. Derigg scaffolding. 7. Housekeeping and handover to operations. 8. Close-out report i.e. Mill Certs, isolation procedure, spading list.	1 month 1 week
02.10.96 to 12.10.96	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 082 Hydrostatic Pressure Test for Samarang Field Pipelines No. 120 and 127 Location: Offshore Sabah	Procure materials, prepare jobcards, execute hydrostatic test of interfield sub-sea pipelines in Samarang.	1 week
21.06.97 to 15.07.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 089 Samarang Press. Vessel Cleaning PSV/RV Inspection & Rectification During the April Shutdown Location: Offshore Sabah	Open up/clean of pressures vessels (for inspection) test, rectify, repair, and recalibrate of associated PSV's.	3 weeks
21.06.97 to 15.07.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 090 SMG PSV/RV Recalibration & Recertification (Non shutdown) Location : Offshore Sabah	Workscope to identify PSV and collate data, procure repair kits and essential parts, test PBV/RV, service and repair. Recalibrate and testing including reinstallation.	3 weeks
21.10.97 to 15.11.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W. O. : 0117 Workshop Repair for EX-SMPC- P803 Pump Rotor Location: Labuan	To repair one unit of pump rotor assembly c/w 2 pcs mechanical seal for Ex-SMPC P803 (NOVO PIGNONE PUMP) Model: NM 804 C, S-3X9-WMSN-M S/N: P13431	3 weeks

22.02.97 to 22.03.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : TB-022 Installation/Hook-up of 3 units Pressure Vessels And All Associated Instrument And Controls Facilities At Tembungo- A Location: Offshore Sabah	The scope of work shall include but not limited to the following: 1. Procure the required materials as per attached materials list for three (3) pressure vessels (PVs namely V-220/300/500) 2. Dismantle and remove the existing 3 PVs and its associated instrument and controls at site. 3. Install/Hook-up 3 new PV's and its associated instruments and controls at site. 4. Replace/reinstall all pipe spools and valves around these 3 PV's. 5. Fabricate and install pipe supports as per isometric drawings. 6. Blast and paint all pipe spools and pipe supports prior to installation. 7. Certify all welded joints (ie ffshore & radiography or NDT). 8. Prepare documentation for radiography or NDT of all pipe spools. 9. Reroute all piping and instruments tubing of pressure vessel V-500. 10. Workscoping and prepare workpacks. 11. Calibrate and functional test all equipment and systems commission and handover to clients.	1 month
26.06.96 to 21.08.96	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : TG-005 Piping Replacement and Associated works of Tembungo-A Onshore (Manpower, Equipment & Materials) Location: Offshore Sabah	To prepare workpack for piping scope during shutdown. To excute all ffshore piping & structural scope of work, spading flushing, Scaffolding, Marking, Cutting, Welding, NDT, Hydrotest Commissioning, Despading, Assisting in start-up and QA/QC documentation, scope includes supply of manpower and equipment to execute the above works and nos required as per proposed in the workpack.	2 month
25.03.97 to 24.04.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-001 BA-B Complex Intergrated Visit (GPU,RCRs & P'list) Location: Offshore Miri	1. Prefabrication of Betty GPU project. 2. Prefabrication of gas detector installation project. 3. Prefabrication Bardegg exception list items. 4. Prefabrication of launcher/receiver modification.	1 month
26.04.97 to 26.06.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-003 BEP-A Intergrated Visit (GPU, LR Mods & P'list) Location: Offshore Miri	1. Prefabrication of Betty GPU project. 2. Prefabrication of gas detector installation project. 3. Prefabrication Bardegg exception list items. 4. Prefabrication of launcher/receiver modification.	2 months
26.02.97 to 26.03.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-004 TK-3 Revisit Preparation Location: Offshore Miri	1. Preparation of conductor materials. 2. Prefabrication of lugs, driving shoc plate, conductor damped guide. 3. Prefabrication of wellhead service/access platform. 4. Prefabrication of miscellaneous structure.	1 month
27.03.97 to 28.04.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-005 TK-3 Piping Preparation Location: Offshore Miri	1. Prefabrication of pipings for the TK-3 well tie-in 2. Prefabrication of pipings for the TK-3 Piping Reinstatement.	1 month
20.03.97 to 30.03.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-006 BN-B Complex Reinstatement Location: Offshore Miri	1. Blast and paint as to SES 47.1 - 03 pcs pipe, API GRB S40 4DR yellow as finishing coat. - 25 pcs of 10mm thk chequer plates 2m x 1m black as final coat. - 07 pcs of S/angle 100 x 100 x 12mm x 6m with black as final coat.	2 weeks
02.02.96 to 10.04.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-021 BN-A Intergrated Project Location: Offshore Miri	To fabricate, weld, inspect, sand blast, paint, suitably protect, handle and deliver the fabricated items to designated supply vessel. Projects: 1. BNDP-I HP Separator installation (structural/mechanical & piping) 2. BNP-A/BNDP-A GPU (piping/mechanical) 3. BNDP-I TRSCSSV pressure equalizing (manifold (piping/mechanical).	2 months 1 weeks
10.05.96 to 12.06.96	Petronas Carigali S/B 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-029 BN-A Intergrated Project Location: Offshore Miri	To fabricate, weld, inspect, weld, blast & paint suitably protest handle and deliver the fabricated items to designated supply vessel or where directed. Projects: 1. BN-14 Flowline modification 2. BNG-B Provision for chemical injection point (piping). 3. BNG-B PCV-9602 replacement. 4. BNG-B Storage area under stair towers (Handrails) 5. BNG-B distance place vent and drains modification (piping only). 6. Fabrication for structural & instrument package only.	1 month
02.07.96 to 24.07.96	Petronas Carigali S/B 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-035 BODP-B SIPROD Preparation Project (Phase 1) Location: Offshore Miri	To fabricate, weld, inspect, test, blast & paint suitably protect, handle and deliver the fabricated items to designated supply vessel or where directed the piping works for BAJT-D General Upgrade (GPU) protect as detailed in the Construction workscope (Onshore fabrication).	3 weeks
28.07.97 to 29.08.97	Petronas Carigali S/B 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : BDO-036 BODP-B SIPROD Preparation Upgrade (GPU)-Piping and Mechanical Location: Offshore Miri	To fabricate, weld, inspect, test, blast & paint suitably protect, handle and deliver the fabricated items to designated supply vessel or where directed the piping works for BAJT-D General Upgrade (GPU) protect as detailed in the Construction wor kscope (Onshore fabrication).	1 month
02.09.97 to 03.10.97	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	W.O. : 042 BODP-B Workover (SIPROD) Preparation (Structural & Piping) Location: Offshore Miri	To fabricate, weld, inspect, test, blast & paint suitably protect, handle and deliver the fabricated items to designated supply vessel for BODP-B SIPROD preparation project (structural & piping) as detail in the construction workscope (Onshore fabrication).	1 month

#### Regional – South East Asia

#### 1.5 MISCELLNEOUS PROJECT

02.02.96 to 05.10.96	Sarawak Shell Berhad	Modifications to BSTAB, BAGSF Backup line Header & BCOT Flare System Location : Miri	1. Overall Maintenance of Refinery Plant & Equipment. 2. Fabrication & Installation of structural steel platforms. 3. Fabrication & installation of piping including tie-ins during 3 days BCOT shutdown. 4. Instrument work.	8 months
05.01.94 to 06.12.94	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	MCOT BARDEGG/Beach Oil Facilities Modification Location : Miri	1. Construction of new gas receiving facilities in MCOT Terminal including slugcatchers, flare, rerouting of pipelines etc. 2. Construction of new oil receiving facilities in MCOT including rerouting of pipeline, new 16" Baram crude pipeline, manifold metering skid, hot tapping work etc.	12 months
05.02.95 to 03.08.95	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	MCOT Capacity Extension Basic Option. Location : Miri	1. Construction of 6m x 24m x 3.4m concrete oily water pit. 2. Supply, installation & testing of process piping. 3. Installation & testing of pumps. 4. Supply, installation & testing of electrical and instrumentation equipment including control valves, EOVs etc.	7 months
18.10.95 to 15.03.96	Petronas Carigali Sdn Bhd 1. En.Ahmad Mazlan Osman 2. En. Fadzil Ismail	MCOT Firewater System and Tank Bund Upgrade Location : Miri	Civil, Mechanical Piping, Electrical & Instrument Works including Design, Procurement, Fabrication, Testing & Commissioning Installation of Foam Skid in Miri Crude Oil Terminal.	5 months