

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

A. ONSHORE PLANTS					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
TOTAL INDONESIA	SPIE CAPAG	HANDIL - BADAQ GAS PIPELINE EAST KALIMANTAN INDONESIA	EPC CONTRACT : DRYING 58KM - 20" PIPE BY VACUUM DRYING PROCESS.	1982	1982
PERTAMINA UEP III	PERTAMINA UEP III	CILAMAYA, MUNDU, BALONGAN, WEST JAVA INDONESIA	EPC CONTRACT : SURVEY + CLEANING PIPELINE - 18KM X 12". SURVEY + CLEANING PIPELINE - 93KM X 14". SURVEY + CLEANING PIPELINE - 93KM X 14".	1982	1982
CIVIL AVIATION / PERTAMINA UPPDN III	JO. S.S.C	CENKARENG AIRPORT, PHASE I. HYDRANT SYSTEM INDONESIA	PARTNER IN CONSORTIUM FOR THE PROCUREMENT AND CONSTRUCTION OF THE FUEL STORAGE + HYDRANT SYSTEMS INCLUDING 6 BULK TANKS 36M DIA X 12M HT, 8KM 20" PIPE, 64 BRANCHES 8", PUMPING STATION, CONTROL ROOM. TOTAL WEIGHT : 3500 TONNES	1982	1984
CIVIL AVIATION / PERTAMINA UPPDN III	J.O. S.S.C	HYDRANT SYSTEM CENKARENG AIRPORT PHASE II INDONESIA	PARTNER IN CONSORTIUM FOR EPC FOR THE EXTENSION OF THE HYDRANT PIPING NETWORK 36" 500M, 20" 7.600M, 8" 3.500M C/W EQUIPMENTS (VALVES, FILTERS, PUMPS, CONTROL PANELS, ETC). TOTAL WEIGHT : 1600 TONS	1989	1990
TOTAL INDONESIA	TOTAL INDONESIA	TAMBORA - TUNU EAST KALIMANTAN INDONESIA	EPC CONTRACT : 10 M3/HOUR RAW WATER TREATMENT PLANT.	1990	1991
KONDUR	KONDUR	KURAU UPGRADING INDONESIA	EPC CONTRACT FOR REMOVAL AND REPLACEMENT OF 3 PHASE SEPARATOR, FLOTATION UNITS	1992	1993
BP EAST JAVA	PT. PETROSEA / CLOUGH	GAS PLANT KANGEAN ISLAND / PAGERUNGAN ISLAND INDONESIA	EPC CONTRACT FOR 2 GLYCOL REGENERATION UNITS, 2 x 180 MMSCFD SUPPLIED AS MODULARISED SKID C/W DCS CONTROL SYSTEM	1992	1993
PERTAMINA UP VI	PT. ERAMINA KENCANA	MERCURY REMOVAL PLANTS PERTAMINA EXOR 1, REFINERY BALONGAN WEST JAVA INDONESIA	EPC CONTRACT FOR MERCURY REMOVAL UNIT FROM HYDROGEN REFORMER GAS FEED, CAPACITY : 20 MMSCFD	1993	1994

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

A. ONSHORE PLANTS					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
TOTAL INDONESIA	TOTAL INDONESIA	SENIPAH CSU PROJECT EAST KALIMANTAN INDONESIA	EPS CONTRACT FOR CONDENSATE STABILIZATION PLANT, COMPRISING: - 1 UNIT DIRECT FIRED REBOILER HEATER, CAPACITY : 10.64 MM KCAL/HOUR - 1 UNIT CONDENSATE STABILIZATION COLUMN, 2.8 X 1.8 M DIA. X 28 M HIGH - 1 FUEL GAS FILTER PACKAGE - CONDENSATE RETURN PUMPING SYSTEM - OTHER FACILITIES	1994	1996
TOTAL INDONESIA	PT. SANGGAR KALTIM JAYA	SENIPAH CSU PROJECT EAST KALIMANTAN INDONESIA	EPS CONTRACT FOR CONDENSATE STABILIZATION PIPELINE, 12" X 21 KMS.	1995	1996
MEDCO GROUP	EXSPAN	TARAKAN GAS DEVELOPMENT PROJECT INDONESIA	EPC CONTRACT FOR TARAKAN GAS DEVELOPMENT PROJECTS, COMPRISING : - 8 UNITS SKID MOUNTED SEPARATORS (HP, MP, LP-TEST & (PRODUCTIONS) - 1 UNIT FUEL GAS FILTER SKID - 7 UNITS SKID MOUNTED GAS SCRUBBER - 1 UNIT 40 MMSCFD GAS DEHYDRATION SYSTEM COMPLETE WITH GLYCOL CONTACTOR; INLET SCRUBBER; REGENERATION SKID PACKAGE - 12 UNITS PIG LAUNCHER, RECEIVERS - 1 UNIT ELEVATED FLARE, 60' - 0" HT COMPLETE WITH AUTO CONTROL PANELDUTY : 30 MMSCFD - ALL VALVES, INSTRUMENTATION AND ACCESSORIES	1995	1996
PT. SIM (SALIM GROUP)	KREBS-SPEICHIM (GROUP TECHNIP)	VCM PLANT, MERAK INDONESIA	DESIGN, SUPPLY & ERECTION OF : 56 NOS PRESSURE VESSELS & 9 COLUMNS (DIA. 3.5M, HEIGHT 45M)	1996	1997
AIR LIQUIDE	AIR LIQUIDE INDONESIA	AIR SEPARATION PLANT MERAK INDONESIA	SUPPLY (PART) AND CONSTRUCTION, ERECTION OF COMPLETE AIR LIQUIFICATION PLANT, CAPACITY 600 T/DAY INVOLVING COLUMNS, VESSELS, COMPRESSORS, PUMPS, STRUCTURES, PIPING, INSTRUMENTS ETC. TOTAL WEIGHT 1000 TONNES	1997	1997

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

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PREMIER PETROLEUM MYANMAR Ltd. / PETRONAS	MC CONNELL DOWELL Pty. Ltd.	YETAGUN ONSHORE PIPELINE & FACILITIES MYANMAR	EPS CONTRACT FOR : 400 MMSCFD CAPACITY PIPELINE EQUIPMENT, PREFABRICATED ASSEMBLIES AND MATERIALS	1998	1999
TOTAL CAMBODGE	TOTAL CAMBODGE	PHNOM PENH CAMBODIA	EPC FOR LPG STORAGE AND TRUCK LOADING FACILITIES C/W ALL UTILITIES	1999	2000
CHEVRON, UK	CHEVRON , UK	BLACK SEA COAST GEORGIA	COMPLETE ENGINEERING DOSSIER FOR A CRUDE OIL TRANSIT TERMINAL	2001	2002
TOTAL	TOTAL PREMIER LP. GAS LTD.	CHITTAGONG BANGLADESH	EPC FOR A 10.000 DWT LPG TANKER MOORING SYSTEM, INCLUDING CBM SYSTEM, PLEM, CONSTRUCTION OF OFF-SHORE AND ON-SHORE PIPELINES (8" AND 4")	2001	2002
KUFPEC (INDONESIA) LTD.	KUFPEC (INDONESIA) LTD.	SERAM ISLAND INDONESIA	E.P.I.C CONTRACT FOR OSEIL PHASE 1 PROJECT: 28,000 BOPD, GRASS ROOT CRUDE OIL PROCESSING PLANT + FRACTIONATION INTO NAPHTA AND HSFO FOR EXPORT, INCLUDING 108 PCS PROCESS EQUIPMENT, STORAGES FOR CRUDE OIL, NAPHTA AND HSFO, JETTY, LOADING FACILITIES	2001	2003
CHEVRON INDONESIA	CHEVRON INDONESIA	EAST KALIMANTAN INDONESIA	EPC FOR CO ₂ REMOVAL PLANT 70 MMSCFD, TO DECREASE CO ₂ CONTENT IN GAS FROM 10% TO 3%	2000	2002
SILK ROAD GROUP	SILK ROAD, GEORGIA	TURKMENBASHI TURKMENISTAN	COMPLETE ENGINEERING DOSSIER FOR CRUDE OIL AND LPG TRANSIT TERMINAL IN TURKMENBASHI	2002	2003
SENOKO POWER Ltd.	APECO Pte. Ltd	SENOKO POWER STATION NEW NATURAL GAS SINGAPORE	EPCI FOR GAS ON-SHORE RECEIVING FACILITIES (ORF), CAPACITY 2 X 100% 350 MMSCFD ; COMPRISING FILTER SEPARATORS, ULTRASONIC METERING SYSTEMS, PRESSURE REGULATING SYSTEMS, COMPUTER CONTROL SYSTEMS, UTILITIES ETC	2002	2003
PETROCHINA	PETROCHINA	JABUNG, JAMBI INDONESIA	EPC FOR COMPLETE NGL RECOVERY PLANT, 45 MMSCFD :LPG AND CONDENSATE STRIPPING, HOT OIL SYSTEM, OTHER FACILITIES	2002	2004
TURKMENGAZ	TURKMENGAZ	DOVLETABAD FIELD, TURKMENISTAN	EPC FOR 6 UNITS FLARE STACKS : (HP AND MP, SOUR SERVICES) 2 PCS 32" X 110 M 4 PCS28" X 45 M KO DRUMS, METERING FACILITIES, CONTROL, ETC	2003	2004

- PT. ISTANA KARANG LAUT -

REFERENCE LIST

A. ONSHORE PLANTS

OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
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ELLIPSE - ENERGY	ELLIPSE - ENERGY	CIKARANG - WEST JAVA INDONESIA	EPC FOR GAS PRODUCTION FACILITY 20 MMSCFD C/W SEPARATION, DEHYDRATION, METERING, FLARE, UTILITIES	2004	2004
UZBEKNEFTEGAZ	UZBEKNEFTEGAZ	KOKDUMALAK UZBEKISTAN	EPS FOR RECONSTRUCTION OF GAS COMPRESSOR STATION 4 TRAINS, 1100 MMSCFD, 265 BARS INCLUDING DRESSER COMPRESSORS, SCRUBBERS, AIR COOLERS, VALVES, INSTRUMENTATION PIPING, UTILITIES	2005	2006
ELLIPSE - PERTAMINA	ELLIPSE - PERTAMINA	CIKARANG, WEST JAVA INDONESIA	EPC FOR GAS COMPRESSION FACILITIES	2005	2006
TURKMENGAZ	ENEX PROCESS ENGINEERING	DOVLETABAD III TURKMENISTAN	EPS FOR TWO (2) FLARES FOR COMPRESSOR STATION AND GAS TREATMENT PLANT AT DOVLETABAD FIELD AT TURKMENISTAN	2006	2007
BP WEST JAVA	BP WEST JAVA	CILAMAYA, WEST JAVA INDONESIA	EPC FOR NEW ONSHORE RECEIVING FACILITIES, 60 MMSCFD C/W CONTROL VALVES, VESSELS, FLARE, METERING STATION AND OTHER FACILITIES	2007	2008
PGN	PT. PERUSAHAAN GAS NEGARA	CILEGON INDONESIA	EPC FOR 350 MMSCFD ONSHORE RECEIVING FACILITIES C/W SLUG CATCHER, SCRUBBERS, METERING STATION, PRESSURE REGULATING, GAS ANALYSIS, GAS ODORIZING, SCADA, CONTROL ROOM	2007	2009
P.T. DHARMA PRATAMA SEJATI	PT. ENER GASINDO	PLTG, PLN JAMBI INDONESIA	EPC FOR 20 MMSCFD NATURAL GAS GAS FACILITIES C/W SCRUBBER, SLUG CATCHER, FILTERS, PIG LAUNCHER/RECEIVER, FLARE, METERING STATION, REGULATING STATION, SCADA, CONTROL ROOM	2008	2009
SEMBCORP GAS Pte. Ltd.	SEMBCORP GAS Pte. Ltd.	ORF MODIFICATION FOR GSA-2 JURONG ISLAND, SINGAPORE	EPC FOR ONSHORE GAS RECEIVING FACILITY, 165 MMSCFD	2010	2011
PT. PDPDE GAS	PT. ADIPROTEK ENVIRODUNIA	EPCC USM METERING STATION JAMBI, INDONESIA	EPC FOR 2 NATURAL GAS METERING STATIONS, 20 MMSCFD + ENGINEERING OF 50 KM 8" PIPELINE	2010	2011
PETROMAX REFINERY Ltd.	PETROMAX REFINERY Ltd.	CONDENSATE REFINERY MONGLA, BANGLADESH	EPC FOR 2500 BPD CONDENSATE FRACTIONATION REFINERY C/W NAPHTA HYDRO TREATING (NHT) AND CATALYTIC REFORMING UNIT (CRU)	2011	2013

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

A. OFFSHORE PLANTS					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
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PERTAMINA UPPDN III	PERTAMINA UPPDN III	CENGKARENG AIRPORT INDONESIA	EPC CONTRAT FOR CLEANING, HYDROSTATIC TESTING, DEWATERING AND VACUUM DRYING OF 24 km - 16" PIPELINE FROM SPM TO AIRPORT STORAGE FACILITIES.	1986	1986
PERTAMINA	PERTAMINA UPPDN III	SPM BUOY CENGKARENG AIRPORT INDONESIA	EPC FOR DESIGN, CONSTRUCTION, INSTALLATION OF A CALM MOORING BUOY SYSTEM, 8.5M DIA 35,000 DWT CAPACITY C/W HOSES, CATENARY CHAINS AND ANCHORS.ANCHOR.	1991	1992
TOTAL INDONESIA	TOTAL INDONESIA	TUNU PHASE 3 EAST KALIMANTAN INDONESIA	EPC CONTRACT FOR 2 UNITS GATHERING TESTING SATTELITES AND ASSOCIATED WELLHEAD PLATFORMS WALKWAYS AND TIE INS. TOTAL WEIGHT : 2200 TONNES	1993	1994
PERTAMINA	PERTAMINA UPPDN I	BELAWAN, MEDAN INDONESIA	EPC FOR CONSTRUCTION OF A 20" SUB SEA PIPELINE EXTENSION AND INSTALLATION OF CALM MOORING BUOY SYSTEM 35.000 DWT COMPLETE WITH PLEM HOSES, CATENARY ANCHOR CHAIN, ANCHOR, HAWSER CAPACITY AND ASSISTANCE TO 1 st TANKER DISCHARGE.	1995	1996
TOTAL INDONESIA	TOTAL INDONESIA	TUNU NORTH FIELD DEVELOPMENT PROJECT, EPSC 3, EAST KALIMANTAN INDONESIA	EPS CONTRACT FOR 5 GTS PLATFORMS (GTS I, K, L, M, N), ASSOCIATED WELLHEAD PLATFORM WALKWAYS & TIE INS, INCL. DESIGN + SUPPLY OF 5 UNITS, ETC. TOTAL WEIGHT : 8000 TONNES	1996	1997
TOTAL INDONESIA	TOTAL INDONESIA	TUNU GTS 5 EPSC 1 INDONESIA	EPS CONTRACT FOR 5 GTS PLATFORMS (GTS H, X, R, K, AND P), AND SEVERAL WELLHEAD PLATFORM. TOTAL WEIGHT : 8000 TONNES	1997	1999
TOTAL INDONESIA	TOTAL INDONESIA	TUNU GTS 6 EPSC 1 INDONESIA	EPS CONTRACT FOR (3) THREE GATHERING TESTING SATELLITES (GTS S, T, Q) AND SEVERAL WELLHEAD PLATFORM. TOTAL WEIGHT : 3000 TONNES	1998	1999
TOTAL INDONESIA	TOTAL INDONESIA	20" TRUNKLINE TO TMP INDONESIA	EPS CONTRACT FOR THE 20" DIA. GTS A/ TMP TRUNKLINE 20" Ø X 5800 M.	1997	1997
CHEVRON	CHEVRON	ATTAKA FIELD INDONESIA	EPS CONTRACT INCLUDING FABRICATION, LOAD-OUT, SEA-FASTENING, TRANSPORTATION, INSTALLATION, HOOK-UP & COMMISSIONING FOR MODIFICATIONS OF ECHO BARU PLATFORM & FOXTROT SATELLITE PLATFORM ATTAKA FIELD.	1999	2000

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

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TOTAL INDONESIA	TOTAL INDONESIA	TUNU TP 8 / EPSC 2 INDONESIA	EPS CONTRACT FOR (1) UNIT NMP2 PLATFORM AND OFFSITES. TOTAL WEIGHT 1300 TON	2000	2002
TOTAL INDONESIA	TOTAL INDONESIA	TUNU TP 8 / EPSC 5 INDONESIA	EPS CONTRACT FOR THE MODIFICATION OF GTS PLATFORMS	2001	2002
TOTAL INDONESIA	TOTAL INDONESIA	TP 8 / EPSC 6 INDONESIA	PROJECT MANAGEMENT, ENGINEERING, DESIGN, MATERIAL PROCUREMENT & CONSTRUCTION OF TIE INS.	2001	2002
TOTAL	TOTAL PREMIER LP GAS LIMITED	CHITTAGONG BANGLADESH	EPC FOR LPG 10.000 DWT TANKER UNLOADING FACILITIES, INCLUDING MOORING FACILITIES CBM, PLEM, OFFSHORE AND ONSHORE PIPELINES (8" AND 4")	2001	2002
BP WEST JAVA	BP WEST JAVA	CILAMAYA, WEST JAVA INDONESIA	EPC FOR THE REVAMPING OF 2 PRODUCTION PLATFORMS NGL A & B INCLUDING REPLACEMENT OF MOLECULAR SIEVES FOR DEHYDRATION UNIT, CHANGE OF ALL PIPING, VALVES, INSTRUMENTATION AND CONTROL, COMMISSIONING AND START-UP	2007	2008
ONGC	ONGC (OIL AND NATURAL GAS CORPORATION LIMITED)	NEW CRUDE OIL METERING FACILITY INDIA	EPC ON 3 PLATFORMS FOR THE DISMANTLING OF OLD FACILITIES AND INSTALING NEW METERING STATIONS FOR HIGH VISCOSITY CRUDE OIL METERING COMPLETE WITH CONTROL SYSTEM. CAPACITY : 500 M ³ /HR FOR HEERA PLATFORM, 350 M ³ /HR FOR NEELAM PLATFORM, 3620 M ³ /HR FOR URAN PLATFORM AND 80 M ³ /HR FOR HRG	2007	2009
SOCAR	COMPRA ENERGY	GAS LIFT COMPRESSION STATION GUNASHLI FIELD, AZERBAIJAN	EPC FOR 110 MMSCFD OFFSHORE GAS LIFT COMPRESSION STATION AT 125 BARS C/W TEG GAS DEHYDRATION U	2012	2014
BME	BME	CHITAGONG, BANFLADESH	ENGINEERING OF CBM MOORING SYSTEM FOR 10.000 DWT LPG TANKER AND SUPPLY OF PLEM, HOSES, PIPING MATERIALS, ETC		

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

B. METERING SYSTEM DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
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PERTAMINA EP II	PERTAMINA EP II	SOUTH SUMATERA INDONESIA	ENGINEERING AND REPORTING : REHABILITATION OF PIPELINE SUPERVISORY AND MONITORING SYSTEM FOR GAS PIPELINES.	1983	1983
PERTAMINA EP III	PERTAMINA EP III	WEST JAVA INDONESIA	ENGINEERING AND REPORTING : DEVELOPMENT OF PIPELINE SUPERVISORY AND MONITORING SYSTEM FOR GAS TRANSPORTATION LINES.	1983	1983
PERTAMINA UPPDN	NIGATA	BATAM AIRPORT INDONESIA	DESIGN AND SUPPLY FOR THE HYDRANT SYSTEM : 2 UNITS - AIRCRAFT REFUELER , 1000 GALON 1 UNITS - AIRCRAFT REFUELER , 1000 GPM 1 UNITS - AIRCRAFT REFUELER , 800 GPM 1 UNITS - AIRCRAFT REFUELER , 450 GPM 1 UNITS - HYDRANT PIT CLEANING CAR	1994	1995
TOTAL INDONESIA	TOTAL INDONESIA	PECIKO INDONESIA	DESIGN, ENGINEERING, PROCUREMENT, CONSTRUCTION OF CUSTODY TRANSFER GAS METERING STREAM, SKID MOUNTED PACKAGE 3 x 24" STREAM COMPLETE WITH INSTRUMENTATION, ANALYZER AND COMPUTER CONTROL SYSTEM. CAPACITY : 1100 MMSCFD	1997	1999
TOTAL INDONESIA	TOTAL INDONESIA	TUNU PHASE 5 INDONESIA	1 (ONE) UNIT MULTIPHASE FLOW METER, VENTURI METER WITH CHEMICAL / TRACER METHOD	1998	1999
PREMIER PETROLEUM MYANMAR Ltd. / PETRONAS	MC CONNELL DOWELL Pty. Ltd.	YETAGUN ONSHORE PIPELINE & FACILITIES MYANMAR	DESIGN AND SUPPLY : 400 MMSCFD CAPACITY PREFABRICATED ASSEMBLIES, COMPRISING : - (1) PRESSURE REGULATION & DEPRESSURIZATION SKID - (1) FLOW CONTROL SKID - (1) 4-STREAM CUSTODY TRANSFER METERING SYSTEM INCL. COMPUTER CONTROL SYSTEM & ANALYZER SYSTEM.	1998	1999
CHEVRON INDONESIA	CHEVRON INDONESIA	SANTAN METERING SYSTEM INDONESIA	DESIGN AND SUPPLY : ONE UNIT SKID MOUNTED CUSTODY TRANSFER GAS METERING SYSTEM 3 X 16" 300# ORIFICE METER RUNS ; CAPACITY 900 MMSCFD.	1999	1999

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

B. METERING SYSTEM DIVISION					
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CONOCOPHILLIPS	HYUNDAI HEAVY INDUSTRY (HHI)	WEST NATUNA MOGPU INDONESIA	DESIGN AND SUPPLY : ONE UNIT SKID MOUNTED SALES GAS METERING SYSTEM 12" 900# RTJ INLET OUTLET : UTILIZING ULTRASONIC GAS FLOWMETER 2 X 10" 900 RTJ ; CAPACITY 2 X 260 MMSCFD COMPLETE WITH REDUNDANT GAS CHROMATOGRAPH (UP TO C9 ANALYSIS). H2O & HC MOISTURE ANALYZER INSTALLED IN TEMPERATURE CONTROLLED ANALYZER HOUSE.	2000	2001
CHEVRON INDONESIA	CHEVRON INDONESIA	CALTEX-DURI & MINAS, RIAU INDONESIA	DESIGN, ENGINEERING, SUPPLY, INSTALLATION, SUPERVISION & COMMISSIONING OF : - BTU ANALYZER - BTU CHROMATOGRAPHICS - FLOW COMPUTER - MMI WONDERWARE DEVELOPMENTS - SUPERVISORY COMPUTERS - INSTRUMENT / ELECTRICAL BULKS	2000	2001
PREMIER OIL NATUNA Ltd.	PREMIER OIL NATUNA Ltd.	EARLY GAS PRODUCTION FACILITIES INDONESIA	DESIGN AND SUPPLY : GAS CHILLING SERVICE AND 8" ULTRASONIC CUSTODY TRANSFER GAS METERING OF 20 UP TO 74 mmSCFD FOR EARLY GAS PRODUCTION FACILITY.	2000	2001
CHEVRON (GRISSIK) Ltd.	HYUNDAI E&C Co. Ltd. (HDEC)	SUBAN GAS PROJECT SOUTH SUMATRA INDONESIA	EPC FOR CONDENSATE & GAS FISCAL METERING SYSTEM. CAPACITY 430 MMSCFD OF NATURAL GAS AND 150 GPM CONDENSATE	2001	2002
SENOKO POWER Ltd.	APECO Pte. Ltd	SENOKO POWER STATION NEW NATURAL GAS SINGAPORE	EPCI FOR NATURAL GAS METERING FACILITIES, CAPACITY 2 x 100% 350 MMSCFD ; COMPRISING, ULTRASONIC METERING SYSTEMS, PRESSURE REGULATING SYSTEMS, COMPUTER CONTROL SYSTEMS.	2002	2003
EXXONMOBIL OIL IND.	EXXONMOBIL OIL IND.	LHOK SUKON POINT A INDONESIA	DESIGN AND SUPPLY : COMPACT PROVER AND UPGRADE OF FLOW COMPUTER AND CONTROL SYSTEM WITH OMNI MULTI-STREAM FLOW COMPUTER.	2002	2002
CONOCOPHILLIPS	KBR INDONESIA (HALLIBURTON Singapore)	FPSO BELANAK INDONESIA	DESIGN AND SUPPLY : SKID MOUNTED FISCAL OIL METERING SYSTEM CAP. 25000 BPH & EXPORT GAS METERING PACKAGE CAP. 380 MMSCFD.	2002	2003

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

B. METERING SYSTEM DIVISION					
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JOB PERTAMINA - LIRIK PETROLEUM	JOB PERTAMINA - LIRIK PETROLEUM	INDRAGIRI HULU, RIAU INDONESIA	DESIGN AND SUPPLY : GAS METERING SYSTEM AND PRESSURE REGULATING SYSTEM ; CAPACITY : 1.5 MMSCFD	2002	2003
PT. MUSI BANYUASIN ENERGY	PT. CITRA PANJI MANUNGAL	KAJI - LPG EXTRACTION PLANT PROJECT INDONESIA	DESIGN AND SUPPLY : LPG LOADING SYSTEM	2003	2004
CONOCOPHILLIPS INDONESIA	PT. TECHNIP INDONESIA	BLOCK "B" SUBSEA GAS DEVELOPMENT PROJECT INDONESIA	DESIGN AND SUPPLY : ULTRASONIC GAS METERING SYSTEM ; CAPACITY : 100 MMSCFD	2003	2004
TAC PERTAMINA	ELLIPSE ENERGY	JATIRARANGON FIELD DEVELOPMENT PROJECT INDONESIA	DESIGN AND SUPPLY : ORIFICE GAS METERING SYSTEM ; CAPACITY : 20 MMSCFD	2003	2004
TURKMENGAZ	TURKMENGAZ	DOVLETABAD TURKMENISTAN	DESIGN AND SUPPLY : 1 (ONE) FLARE GAS METER SYSTEM	2003	2004
PGN	PT. YUAN SEJATI	PEKANBARU SYSTEM INDONESIA	DESIGN AND SUPPLY : ULTRASONIC GAS METERING SYSTEM. METERING SYSTEM FOR GAS DISTRIBUTION ; CAPACITY : 170 MMSCFD.	2003	END 2004
PETROCHINA INTERNATIONAL JABUNG	PETROCHINA JABUNG	CP 5, CP 6 & CP 7, SUMATERA INDONESIA	DESIGN, SUPPLY, FAT, SAT AND COMMISSIONING METERING FACILITIES FOR NGL PLANT (GAS, LPG, CONDENSATE)	2003	2005
TOTAL	PT. KOTA MINYAK AUTOMATION	SENIPAH, EAST KALIMANTAN INDONESIA	DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING : COMPACT PROVER, WATER DRAW CALIBRATION, FLOW COMPUTER	2003	2005
JOB PERTAMINA - PETROCHINA	EAST JAVA - PETROCHINA	SUKOWATI FIELD DEVELOPMENT PROJECT INDONESIA	DESIGN AND SUPPLY : 2 (TWO) UNITS LEASE AUTOMATIC CUSTODY TRANSFER CRUDE METERING SYSTEM ; CAPACITY 2 X 20,000 BPH AND PRODUCE WATER MEASUREMENT 40,000 BPH, PER UNIT.	2004	2005

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

B. METERING SYSTEM DIVISION					
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PERTAMINA UPMS IV, SEMARANG	CV ANEKA SINDOMAS	SUPPLY, DESIGN AND UPGRADING METERING SYSTEM INDONESIA	DESIGN AND SUPPLY : HIGH VISCOSITY CRUDE OIL METERING SYSTEM COMPLETE WITH COMPACT PROVER AND COMPUTER CONTROL SYSTEM ; CAPACITY : 800 M3/HR.	2004	2005
KEPPEL GAS Pte. Ltd.	APECO Pte. Ltd.	ONSHORE RECEIVING FACILITY SINGAPORE	DESIGN AND SUPPLY : ULTRASONIC METERING SYSTEM, PRESSURE REGULATING SYSTEM, GAS ODORIZATION SYSTEM, COMPUTER CONTROL SYSTEMS. CAPACITY : 150 MMSCFD.	2005	2006
SANTOS MALEO	ELSTER INSTROMET SDN	SANTOS MALEO INDONESIA	DESIGN AND SUPPLY : ULTRASONIC METERING SYSTEMS, COMPUTER CONTROL SYSTEMS. FOR CUSTODY TRANSFER METERING SYSTEM	2005	2006
BP BERAU	JGC / KBR	TANGGUH LNG PROJECT INDONESIA	DESIGN AND SUPPLY : FISCAL CONDENSATE METERING SYSTEM	2006	2006
PERTAMINA (PERSERO) UP VI BALONGAN	PERTAMINA (PERSERO) UP VI BALONGAN	MONITORING LPG DISTRIBUTION BALONGAN INDONESIA	DESIGN, FABRICATION, SUPPLY, INSTALLATION, COMMISSIONING AND TRAINING OF LPG METERING AND PROVING SYSTEM	2006	2007
PERTAMINA UPMS VI BALIKPAPAN	PERTAMINA UPMS VI BALIKPAPAN	BALIKPAPAN INDONESIA	DESIGN, SUPPLY , INSTALLATION AND COMMISSIONING ONE (1) UNIT FUEL OIL CUSTODY METERING SYSTEM. CAPACITY 150-500 KL/HOUR AT JETTY 5A UP V BALIKPAPAN	2006	2007
ONGC	OIL AND NATURAL GAS CORPORATION LIMITED	CRUDE OIL METERING SYSTEM FOR HUT LINE, INDIA	DESIGN AND SUPPLY 3 NEW METERING STATIONS FOR 3 OFFSHORE PLATFORMS AT NEELAM, HEERA, & URAN	2007	2009
ONGC	OIL AND NATURAL GAS CORPORATION LIMITED	CRUDE OIL METERING SYSTEM AT URAN TERMINAL, INDIA	DESIGN AND SUPPLY 1 ONSHORE METERING STATION AT HURAN TERMINAL CAPACITY : 2620 m ³ /Hour	2007	2009
PGN	PT. PERUSAHAAN GAS NEGARA	BOJONEGARA INDONESIA	DESIGN AND SUPPLY : COMPLETE METERING STATION FOR ON-SHORE RECEIVING FACILITIES (ORF)	2007	2009
BP WEST JAVA	BP WEST JAVA	CILAMAYA, WEST JAVA INDONESIA	DESIGN AND SUPPLY : COMPLETE METERING STATION 60 MMSCFD (ORF)	2007	2008

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

B. METERING SYSTEM DIVISION					
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				Purch. Order	Completion
PT. DHARMA PRATAMA SEJATI	PT. ENER GASINDO HEKSA KARYA	PLTG PT. PLN PAYO SELINCAH JAMBI, INDONESIA	DESIGN AND SUPPLY : ULTRA SONIC METERING STATION	2008	2009
SEBMCORP GAS SINGAPORE	SEBMCORP GAS SINGAPORE	ORF GSA II EXPANSION PROJECT SINGAPORE	EPC FOR 165 MMSCFD ONSHORE RECEIVING FACILITY (ORF)	2010	2011
PT. PDPDE GAS	PT. ADIPROTEK ENVIRODUNIA	EPCC USM METERING STATION JAMBI, INDONESIA	EPC FOR NATURAL GAS, 20 MMSCFD, 2 USM METERING STATIONS C/W ALL UTILITIES	2010	2011
PT ETI	PT ETI	CNG PLANT GRATI POWER STATION INDONESIA POWER	SUPPLY OF NATURAL GAS METERING SYSTEM 6" and 12"	2012	2013
KEPPEL	APECO	ADDITIONAL & ALTERATION TO ATTAP VALLEY, SINGAPORE	DESIGN AND SUPPLY : DESIGN, ENGINEERING, PROCUREMENT, ASSEMBLY, TESTING, FAT, COMMISSIONING, DOCUMENTATION , CONTROL AND AUTOMATION SYSTEM	2012	2013
PETRONAS	MCDERMOTT	GAS METERING SYSTEM FOR CPP CPP FOR KEPODANG GAS DEVELOPMENT PROJECT FOR PC MURIAH LTD	EPC for : ULTRASONIC GAS METERING SYSTEM FOR GAS DISTRIBUTOR ; CAPACITY : 155 MMSCFD.	2013	2014

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA UEP IV	PT. TRANACO	BUNYU GAS LIFT, BUNYU ISLAND, INDONESIA	DESIGN AND SUPPLY : 13 UNITS - SKID MOUNTED PRODUCTION SEPARATORS, C/W ACCESSORIES.	1981	1983
PERTAMINA UEP III	PT. TRANACO	MUNDU PROJECT NO FLARE GAS POLICY WEST JAVA, INDONESIA	DESIGN AND SUPPLY : SUPPLY OF 2 UNITS - SKID MOUNTED SCRUBBERS & 1 UNIT SKID MOUNTED SEPARATOR C/W ACCESSORIES	1983	1983
TOTAL INDONESIA	DEGREMONT	OILY WATER TREATMENT PLANT, INDONESIA	DESIGN AND SUPPLY : 8 UNITS SKID MOUNTED SEPARATORS C/W ACCESSORIES	1983	1983
PERTAMINA	PT. DJASA UBERSAKTI	MEDAN GAS PROJECT PACKAGE B., INDONESIA	DESIGN AND SUPPLY : 33 UNITS SKID MOUNTED GAS SCRUBBER VESSELS C/W ACCESSORIES	1984	1985
PERTAMINA EP IV	PT. TRANACO	BUNYU FEED GAS BUNYU ISLAND, INDONESIA	DESIGN AND SUPPLY : 9 UNITS - SKID MOUNTED GAS SCRUBBER VESSELS C/W ACCESSORIES	1984	1984
PERTAMINA EP IV	PT. HANURATA / KTI	BONTANG, GAS PROJECT EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 9 UNITS - GAS SCRUBBER VESSELS.	1985	1985
PERTAMINA EP I	PT. TRANACO	MEDAN GAS PROJECT - PHASE A INDONESIA	DESIGN AND SUPPLY : PIGGING FACILITIES		
PERTAMINA EP I	PT. DJASA UBERSAKTI	MEDAN GAS PROJECT - PHASE B INDONESIA	DESIGN AND SUPPLY : PIGGING FACILITIES	1985	1985
PERTAMINA EP	PT. MENARA BUMI	BLOCK STATION BENUANG TIMUR INDONESIA	DESIGN AND SUPPLY : PIGGING FACILITIES.	1986	1986
TOTAL INDONESIA	TOTAL INDONESIA	HANDIL - SENIPAH INDONESIA	SURVEY : PEARSON SURVEY 20 KM - 20" GAS PIPELINE.	1986	1986
TOTAL INDONESIA	PT. DJASA UBERSAKTI	SENIPAH, HANDIL INDONESIA	DESIGN AND SUPPLY : PIGGING FACILITIES.	1986	1986

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA UPPDN III	PT. PROPELAT	BOOSTER STATION KUTAWINANGUN. INDONESIA	DESIGN AND SUPPLY : PIGGING FACILITIES.	1986	1986
PERTAMINA UPPDN III	PT. JAYA GAS	CB/CY, WEST JAVA INDONESIA	DESIGN AND SUPPLY : PIGGING FACILITIES.	1988	1988
TOTAL INDONESIA	TOTAL INDONESIA	SENIPAH, EAST KALIMANTAN INDONESIA	DESIGN AND SUPPLY : 1 UNIT - SKID MOUNTED SLUG CATCHER, 3M DIA. X 12.000 MM T/T, 65 TONNES, C/W ACCESSORIES.	1985	1986
PERTAMINA EP II	PT. CATUR YASA	BLOCK STATION BETUNG GAS PROJECT, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - SKID MOUNTED CONDENSATE STABILIZER C/W ACCESSORIES	1985	1986
PERTAMINA EP II	PT. MECONA	BLOCK STATION RANTAU, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 10" ELEVATED FLARE STACK, 60' - 0" HEIGHT, COMPLETE WITH AUTOMATIC CONTROL PANEL. DUTY : 30 MMSCFD	1986	1986
PERTAMINA EP	PT. MENARA BUMI	BLOCK STATION BENUANG TIMUR, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 10" ELEVATEC FLARE STACK, 60' - 0" HEIGHT, COMPLETE WITH AUTOMATIC CONTROL PANEL DUTY : 30 MM SCFD	1986	1986
PERTAMINA EP	PT. MENARA BUMI	BLOCK STATION KUALA SIMPANG, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 10" ELEVATED FLARE STACK, 60' - 0" HIGH, C/W AUTOMATIC CONTROL SYSTEM DUTY : 30 MM SCFD	1986	1986
PERTAMINA UEP III	PT. RABANA	BLOCK STATION SUNYARAGI, INDONESIA	DESIGN AND SUPPLY : 2 UNITS - SKID MOUNTED SCRUBBER VESSELS C/W CONTROLS AND ACCESSORIES	1987	1987
PERTAMINA EP	PT. DJASA UBERSAKTI	BLOCK STATION BELIMBING, INDONESIA	DESIGN AND SUPPLY : 10 UNITS - WATER INTAKE PUMPS, SKID MOUNTED WITH GAS ENGINE DRIVERS AND CONTROLS.	1987	1987

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
TOTAL INDONESIA	TOTAL INDONESIA	TAMBORA - TUNU I EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY OF GAS PROCESSING UNIT 900 MMSCFD, COMPRISING : 1 - GLYCOL CONTACTOR VESSEL. 2 - H.P.SEPARATORS. 1 - M.P SEPARATOR. 1 - FLKO DRUM. 1 - L.P.SEPARATOR. 3 - TEST SEPARATORS.	1988	1989
EXXONMOBIL	EXXONMOBIL	ARUN, NORTH SUMATERA INDONESIA	DESIGN AND SUPPLY : 8 UNITS - MULTI CYCLONE GAS SCRUBBERS, INTERNAL CLAD, 42+3M THK, DIV.I CONSTRUCTION,	1988	1988
EXXONMOBIL	EXXONMOBIL	ARUN, NORTH SUMATERA INDONESIA	DESIGN AND SUPPLY : 8 UNITS - AIR COOLED HEAT EXCHANGERS COMPLETE WITH ASSOCIATED STRUCTURES (83 TON).	1988	1988
TOTAL INDONESIA	SOFRESID/SAIPEM	TAMBORA, EAST KALIMANTAN INDONESIA	DESIGN AND SUPPLY : 3 PACKAGES - FIRE WATER PUMPS 680 M3/H C/W SKID MOUNTED GEAR-BOX AND CATERPILLAR ENGINE. 2 UNITS - JOCKEY PUMP.	1989	1989
PERTAMINA EP	PT. CATUR YASA	GANTAR PROJECT INDONESIA	1 UNIT - ELEVATED FLARE STACK, 8" DIA. X 30'-0" HT, COMPLETE WITH IGNITION SYSTEM, DUTY : 10 MMSCFD.	1990	1990
VICO/AGIP/BP	PT. TRANACO	MUTIARA GAS DEVELOPMENT INDONESIA	DESIGN, SUPPLY AND INSTALLATION OF : a) 1 UNIT - ELEVATED FLARE STACK 24" O.D X 100'-0" HT COMPLETE WITH IGNITION SYSTEM DUTY : 120 MM SCFD. b) 1 UNIT - 8" BURN PIT FLARES COMPLETE WITH IGNITION SYSTEM DUTY : 20 MMSCFD	1990	1991
TOTAL INDONESIA	TOTAL INDONESIA	HANDIL GAS LIFT EAST KALIMANTAN, INDONESIA	DESIGN, SUPPLY AND FABRICATION OF 316L CLAD VESSELS : a) 1 UNIT - 1ST STAGE K.O DRUM, 2000 MM DIA X 3300 MM T/T, 48 + 3 MM THK, 18 TONNES. b) 1 UNIT - 2ND STAGE K.O DRUM, 1500 MM DIA X 3200 MM T/T, 36 + 3 MM THK, 11.8 TONNES. c) 1 UNIT - DISCHARGE SCRUBBER, 1000 MM DIA X 2700 MM T/T, 42 + 3 MM THK, 8.5 TONNES	1990	1991

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA EP III	PT. RABANA	BLOCK STATION PASIR JADI INDONESIA	DESIGN AND SUPPLY : 1 UNIT - ELEVATED FLARE STACK, 10' DIA X 40'-0" HT, COMPLETE WITH IGNITION SYSTEM, 40'-0" HT, COMPLETE WITH IGNITION SYSTEM, DUTY : 30 MMSCFD	1990	1991
CHEVRON INDONESIA	CHEVRON INDONESIA	DEHYDRATION SYSTEM ATTAKA PLATFORM, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 150 MMSCFD GAS DEHYDRATION SYSTEM COMPRISING : CONTACTOR TOWER 1750 MM DIA X 6900 M LONG X 56 MM THK, GAS/GLYCOL COOLER; GAS SCRUBBER; GLYCOL REGENERATION SKID	1990	1991
VICO/AGIP/BP	PT. NISCONI	SEMBERAH PROJECT EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 6 UNITS - PIG LAUNCHERS /RECEIVERS, 600 LBS CLASS, 6"-20" SIZE.	1991	1991
VICO/AGIP/BP	PT. NISCONI	SEMBERAH PROJECT EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : a) 1 UNIT-ELEVATED FLARE, 16" O.D X 100'-0" HT, COMPLETE WITH IGNITION SYSTEM DUTY 80 MMSCFD b) 1 UNIT-ELEVATED FLARE, 24" O.D X 100'-0" HT, COMPLETE WITH IGNITION SYSTEM DUTY 120 MMSCFD c) 2 UNITS-12" BURN PIT FLARE DUTY 40 MMSCFD	1991	1991
VICO/AGIP/BP	PT. NISCONI	SEMBERAH PROJECT EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 2 UNITS - M.P. OIL/GAS SEPARATOR VESSELS, 48" DIA. X 15'-0" + 48" DIA. X 20' T/T.	1991	1991
CHEVRON INDONESIA	CHEVRON INDONESIA	LAWE LAWE TERMINAL EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 25MMSCFD GAS DEHYDRATION SYSTEM COMPRISING INLET SCRUBBER; CONTACTOR VESSEL; GAS/GLYCOL COOLER; OUTLET SCRUBBER; GLYCOL REGENERATION SKID; DCS CONTROL AND SHUTDOWN SYSTEM.	1991	1992
PERTAMINA UP IV	PT. USAHA OPTIMA PERSADA	LPG MAXIMIZING PROJECT CILACAP, INDONESIA	DESIGN AND SUPPLY : 8" NPS X 25.35M DIAMETER FIREWATER MANIFOLD SYSTEMS FOR LPG SPHERE	1991	1991
PERTAMINA EP	PT. ELNUSA	LEMBAK BLOCK STATION WEST JAVA, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - ELEVATED FLARE STACK, 12' X 60' - 0" HT, ASSOCIATED PIPING, PLATFORMS AND LADDERS, IGNITION SYSTEM DUTY : 60MMSCFD.	1991	1991

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA UEP III	PT. RABANA PIPELININDO UTAMA	BLOCK STATION CICAUH INDONESIA	DESIGN AND SUPPLY : a) 7 UNITS - H.P. M.P + L.P SEPARATORS AND SCRUBBER VESSELS b) 1 UNIT - FUEL GAS FILTER. c) 2 UNITS - PIG LAUNCHER/RECEIVER.	1991	1991
TOTAL INDONESIAIE	TOTAL INDONESIAIE	TUNU PHASE 2 EAST KALIMANTAN, INDONESIA	DESIGN, SUPPLY OF GAS PROCESSING UNIT, 900 MMSCFD, COMPRISING : a) GLYCOL CONTACTOR (1) - 3600 MM DIA X 9000 MM T/T, 110 MM THK + 3MM CLADDING 316L, 149 TONNES (DIV.II DESIGN). b) H.P.SEPARATORS (2) - 2900 MM DIA X 12000 MM T/T, 87MM THK + 3MM CLADDING 316L, 107 TONNES (DIV, II DESIGN). c) M.P SEPARATOR (1) - 3500MM DIA, 12000MM T/T 50MM THK + 3 CLADDING 316L, 85 TONNES (DIV.I DESIGN). d) L.P SEPARATOR (1) - 2600 MM DIA X 11,300 MM T/T, 13 MM THK + 3 MM CLADDING 316L, 21 TONNES (DIV.I DESIGN). e) F.L.K.O DRUM (1) - 240 MM X 9000 MM T/T 101 THK, 81 TONNES (DIV.II DESIGN). f) TEST SEPARATORS (4) - 1700 MM I.D X 5600 MM T/T, 73 MM THK, 30 TONNES (DIV.II DESIGN)	1991	1992
TOTAL INDONESIAIE	TOTAL INDONESIAIE	TUNU PHASE 3 EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 2 UNITS - TEST SEPARATORS, 1700MM DIA X 5600 MM T/T, 73 MM THK, 30 TONNES, DIV.II DESIGN.	1992	1993
PLN MEDAN	PT. ARENA ALFA	UPGRADING PLTU BELAWAN, INDONESIA	DESIGN AND SUPPLY : 2 UNITS - H.P. FEEDWATER PREHEATERS, 900MM DIA X 10,000 MM O/ALL LENGTH, WEIGHT : 10 TONNES / UNIT	1992	1993
PERTAMINA UEP III	PT. ERAMINA KENCANA	LOOPING FACILITIES CILAMAYA, WEST JAVA INDONESIA	DESIGN AND SUPPLY : 1 UNIT 18" X 20" PIG LAUNCHER 1 UNIT 18" X 20" PIG RECEIVER	1992	1993
PERTAMINA UEP III	PT. ALFA SEIRA	BLOCK STATION GADEN, WEST JAVA, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 12" DIA. X 105'-0" ELEVATED GUYED FLARE STACKS WITH AUTOMATIC IGNITION SYSTEM, DUTY : 50 MM SCFD.	1993	1994
VICO/AGIP/BP	VICO INDONESIA	LP GAS COMPRESSION NILAM, INDONESIA	DESIGN AND SUPPLY : 2 UNITS - 24" DIA. X 100FT HT. ELEVATED GUYED FLARE STACKS WITH AUTOMATIC IGNITION SYSTEM, DUTY : 50 MM SCFD.	1993	1994

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
CHEVRON INDONESIA	CHEVRON INDONESIA	MELAHIN PLATFORM EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : FIRST STAGE FIN FAN GAS COOLER, DUTY : 3,67 MM BTU/HR (JORD ENGINEERING)	1993	1994
PERTAMINA, UEP III	PT. SUMBER DAYA KELOLA	KANDANG HAUR WEST JAVA, INDONESIA	DESIGN AND SUPPLY : 2 PCS 6" X 8" 300 LBS PIG LAUNCHER & RECEIVER	1994	1994
VICO/AGIP/BP	VICO INDONESIA	MUTIARA GAS PROJECT EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - AIR COOLED HEAT EXCHANGER PACKAGE CAPACITY : 13,683.000 MM, BTU/H (JORD ENGINEERING)	1994	1995
BP EAST JAVA	BP EAST JAVA	LIMA-COMP. PLATFORM OFFSHORE EAST JAVA INDONESIA	DESIGN AND SUPPLY : 2 UNITS GAS SCRUBBERS 50 MMSCFD, ARII FOR LIMA COMPRESSOR UPGRADE PROJECT	1994	1995
PERTAMINA EP III	PT. UNIVERSAL RESPATI TURBINE ENGINEERING	KANDANGHAUR BLOCK STATION WEST JAVA, INDONESIA	DESIGN AND SUPPLY : 2 UNITS - AIR COOLED HEAT EXCHANGER PACKAGE, CAPACITY / DUTY 7,184,144 MM, BTU/H (JORD ENGINEERING)	1994	1995
CHEVRON TEXACO	PT. CALTEX PACIFIC INDONESIA	BANGKO, DUMAI PIPELINE RIAU, SUMATERA, INDONESIA	DESIGN AND SUPPLY : INTELLIGENT PIG TRAPS, SKID MOUNTED C/W VALVES, INSTRUMENTS, AND LOADING TRAYS, COMPRISING : - 2 UNITS PIG LAUNCHER & RECEIVER; 36" X 30" - 4 UNITS PIG LAUNCHER & RECEIVER; 28" X 24"	1994	1995
CHEVRON INDONESIA	CHEVRON INDONESIA	SANTAN TERMINAL EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - DIRECT FIRED CRUDE OIL HEATER, 25 MMBTU/HR C/W INLET MANIFOLDS, INSTRUMENTS, CONTROLS, FORCED DRAFT SYSTEM	1995	1996
TOTAL INDONESIA	TOTAL INDONESIA	TUNU PHASE 4, INDONESIA	DESIGN AND SUPPLY : 4 UNITS TEST SEPARATORS, 1700 MM DIA. X 5600 T/T, 73 MM THK, 30 TONNES, DIV. II DESIGN	1996	1997
CHEVRON INDONESIA	CHEVRON INDONESIA	SERANG COMPRESSION PLATFORM EAST KALIMANTAN, INDONESIA	DESIGN AND SUPPLY : MULTI SERVICE AERIAL COOLER, CAPACITY : 2,013,773 BTH/H	1995	1996

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA EP III	PT. SENDIKO DONGBU NATINDO JO.	CILAMAYA BLOCK STATION WEST JAVA, INDONESIA	DESIGN AND SUPPLY : 8 UNITS - SEPARATOR AND SCRUBBER VESSELS	1996	1996
TOTAL INDONESIA	TOTAL INDONESIA	TUNU NORTH FIELD EAST KALIMANTAN INDONESIA	DESIGN AND SUPPLY : 2 x 450 MMSCFD GAS DEHYDRATION PACKAGES, EACH COMPRISING OF : - CONTACTOR TOWER, WITH STRUCTURED PACKING + INTERNALS 3100 MM I.D x 8500 M T/T x 94 MMTHK, DIV.II CONSTRUCTION, GLASS FLAKE LINED 110 TONNES - FILTER SEPARATOR SCRUBBER, 1300 MM I.D x 5500 MM T/T x 43 MMTHK, DIV.II CONSTRUCTION, GLASS FLAKE LINED 82 TONNES - GLYCOL REGENERATION MODULE, 15,500 MM LONG x 6500 MM WIDTH, 175 TONNES	1996	1997
TOTAL INDONESIA	TOTAL INDONESIA	CPU2 DEBOTTLENECKING PROJECT - DBN 101 TUNU - EAST KALIMANTAN INDONESIA	DESIGN AND SUPPLY : SUPPLY OF GLASS FLAKE LINED FILTER SEPARATOR 1500 MM I.D x 5,800 MM LONG x 58 MM THK, DIV. II CONSTRUCTION, COMPLETE WITH PIPING, VALVES, INSTRUMENTATION; DEMISTER FOR EXISTING CONTACTOR AND MODIFICATION OF PUMP GEAR BOX	1996	1996
PT. SATOMO INDOVYL MONOMER INDONESIA	KREBS / TECHNIP	VCM PLANT MERAK-WEST JAVA INDONESIA	DESIGN AND SUPPLY : 9 UNITS COLUMNS DIA 3.5 MM, T/T 40 METERS AND 46 UNITS PROCESS VESSELS	1996	1997
VICO / AGIP / BP	VICO INDONESIA	MUTIARA, INDONESIA	DESIGN AND SUPPLY : 1 UNIT - 12" FLARE TIP + IGNITION PANEL	1996	1996
BP WEST JAVA	BP WEST JAVA	LNA / YA RELOCATION PROJECT INDONESIA	DESIGN AND SUPPLY : ENGINEERING, PROCUREMENT & FABRICATION OF : - 9 UNIT - SEPARATOR, SCRUBBER, FILTER, PIG LAUNCHER / RECEIVER - 2 UNIT - SKID MOUNTED	1996	1997
CNOOC	CNOOC	ZELDA, INDONESIA	DESIGN AND SUPPLY : SINGLE WELL DIRECT INJECTION HYDROCYCLONE FOR ZELDA D#8	1997	1997
PETROCHINA INTERNATIONAL	PETROCHINA INTERNATIONAL	NORTH GERAGAI, INDONESIA	DESIGN AND SUPPLY : 8" LP FLARE + 18" HP FLARE, SELF SUPPORTING X 120'-0" HT, INCLUDING IGNITION SYSTEM	1997	1997
MEDCO GROUP, PT	EXSPAN, PT.	NORTH KUTAI LAMA INDONESIA	DESIGN AND SUPPLY : 12" FLARE SYSTEM, INCLUDING RISER + IGNITION PANEL	1997	1997

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
VICO/AGIP/BP	VICO INDONESIA	BADAK INDONESIA	DESIGN AND SUPPLY : 20 UNITS WELLHEAD GAS SCRUBBERS	1997	1997
TOTAL THAILAND	PROSER/FRAMATOME	REGENERATION UNIT BONGKOT PROJECT, THAILAND	DESIGN AND SUPPLY : 200 MMSCFD GLYCOL REGENERATION UNIT	1997	1998
TOTAL MYANMAR	SPIE CAPAG, FRANCE	DOMESTIC GAS FILTER YADANA DEVELOPMENT PROJECT MYANMAR	DESIGN AND SUPPLY : 3 (THREE) TRAINS SKID MOUNTED EXPORT GAS FILTERING SYSTEM AND 2 (TWO) TRAINS SKID MOUNTED DOMESTIC GAS FILTER	1997	1998
EXXON MOBIL	MC DERMOTT	DEHYDRATION PACKAGE NSO "A" PROJECT, NORTH SUMATERA, INDONESIA	DESIGN AND SUPPLY : GLYCOL DEHYDRATION PACKAGE 450 MMSCFD SOUR SERVICE (CO2 + H2S) FOR NSO "A"; COMPRISING : (2) GLYCOL CONTRACTOR, INCOLLOY 825 CLAD; ASME VIII DIV. 2 (1) FUEL GAS TEG ABSORBER (1) GLYCOL REGENERATION MODULE (1) PUMP + TRIM COOLER SKID	1997	1998
TOTAL INDONESIA	TOTAL INDONESIA	TUNU PHASE 5, INDONESIA	DESIGN AND SUPPLY : 5 (FIVE) UNITS TEST SEPARATORS, EACH : 1700 MM DIA. X 5600 T/T, 73 MM THK, 30 TONNES, DIV. II DESIGN	1997	1998
TOTAL INDONESIA	TOTAL INDONESIA	SENIPAH, INDONESIA	DESIGN AND SUPPLY : SENIPAH FIRE WATER UTILITY UPGRADE AND PECIKO PROCESS TIE-INS.	1997	1998
BP WEST JAVA	BP WEST JAVA	KKNA/KKNB, LU, LES JAVA SEA, INDONESIA	DESIGN AND SUPPLY : 18 (EIGHTEEN) UNITS PRESSURE VESSELS, ASME VIII , DIV. 1 & DIV. 2; C/W INSTRUMENTATION AND VALVES.	1997	1998
CHEVRON TEXACO	CALTEX PACIFIC INDONESIA	VAPOUR RECOVERY GS-3 DURU INDONESIA	DESIGN AND SUPPLY : 2 UNITS SKID MOUNTED VAPOUR RECOVERY UNIT CAP. 750 MSCFD EACH. TO COMPRESS VAPOUR FROM - 10" Hg TO 20 PSIG.	1998	1998

- PT. ISTANA KARANG LAUT -

REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PREMIER PETROLEUM MYANMAR Ltd. / PETRONAS	MC CONNELL DOWEL Pty Ltd.	YETAGUN ONSHORE PIPELINE & FACILITIES MYANMAR	DESIGN AND SUPPLY : SKID MOUNTED PIPELINE EQUIPMENT, PREFABRICATED ASSEMBLIES AND MATERIALS FOR 400 MMSCFD FLOWRATE COMPRISING : - (1) SKID MOUNTED PIG RECEIVER, 24"X30", 1500# - (1) SKID MOUNTED PIG RECEIVER, 24"X30", 900# - (1) SKID MOUNTED PIG LAUNCHER, 24"X30", 900# - (4) GAS FILTRATION SKID - (1) PRESSURE REGULATION & DEPRESURIZATION SKID - (1) FLOW CONTROL SKID - (1) FUEL GAS SKID - (1) SEPARATOR SKID - (1) VENT STACK - (1) LIQUID DUMP SKID - (1) 4-STREAM CUSTODY TRANSFER METERING SYSTEM - (1) LOT PREFABRICATED ASSEMBLIES AND MATERIALS	1998	1999
CHEVRON TEXACO	CALTEX PACIFIC INDONESIA	DURI INDONESIA	DESIGN AND SUPPLY : 2 UNITS HIGH PRESSURE SLUG CATCHERS C/W VALVES INSTRUMENTATION AND CONTROLS.	1998	1999
TOTAL INDONESIA	TOTAL INDONESIA	TUNU PHASE 6 INDONESIA	DESIGN AND SUPPLY : 3 (THREE) UNITS TEST SEPARATORS, EACH: 1700 MM DIA. X 5600 T/T, 73 MM THK, 30 TONNES, BS 5500 DESIGN	1998	1999
CHEVRON INDONESIA	CHEVRON INDONESIA	ATTAKA VRU INDONESIA	DESIGN AND SUPPLY : 1 UNIT SKID MOUNTED GAS FOR VAPOR RECOVERY UNIT, CAP.: 250 MMSCFD	1998	1999
PREMIER PETROLEUM MYANMAR LTD. / PETRONAS	MC CONNELL DOWEL Pty. Ltd.	YETAGUN ONSHORE PIPELINE & FACILITIES MYANMAR	DESIGN AND SUPPLY : DIESEL TRANSFER SKID C/W DIESEL OIL STORAGE TANK, ACCESSORIES.	1998	1999
TOTAL INDONESIA	TOTAL INDONESIA	TUNU GTS 6 EPSC 1 INDONESIA	DESIGN AND SUPPLY : 2 UNITS 24" X 28" PIG LAUNCHER, RECEIVERS CLASS 900 LBS, INTELLIGENT PIGGING 2 UNITS 20" X 24" PIG LAUNCHER, RECEIVERS CLASS 900 LBS, INTELLIGENT PIGGING	1998	1999
CHEVRON INDONESIA	CHEVRON INDONESIA	SANTAN & ATTAKA INDONESIA	DESIGN AND SUPPLY : 2 UNITS AIR COOLED HEAT EXCHANGER, EACH CAPACITY OF 15 MMBTU/HR FOR SANTAN & ATTAKA	1998	1999

**- PT. ISTANA KARANG LAUT -
REFERENCE LIST**

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
JOB PERTAMINA - PETROCHINA EAST JAVA	PETROCHINA EAST JAVA	MUDI - TUBAN INDONESIA	DESIGN AND SUPPLY : 2 UNITS FLARE STACK, 8" AND 14", 60" SELF SUPPORTED COMPLETE WITH ALL NECESSARY ACCESSORIES	1998	1999
PT. LAMINDO EKA PERDANA	BINA WAHANA PETRINDO MERUAP	MERUAP INDONESIA	DESIGN AND SUPPLY : (1) ONE PRODUCTION SEPARATOR, (1) ONE TEST SEPARATOR, AND WELLHEAD MANIFOLD; ALL SKID MOUNTED PACKAGES COMPLETE WITH ALL NECESSARY INSTRUMENTATION, VALVE, AND EQUIPMENT.	1999	1999
CONOCOPHILLIPS	HYUNDAI HEAVY INDUSTRIES Co. Ltd. (HHI)	WEST NATUNA MOGPU OFFSHORE INDONESIA	DESIGN AND SUPPLY : CHEMICAL INJECTION SKIDS FOR MOGPU WEST NATUNA	1999	2000
SOMO, IRAQ	NORTH OIL COMPANY	BAI HASSAN FIELD PROD. ENHANCEMENT IRAQ	DESIGN AND SUPPLY : 10 SKID MOUNTED SEPARATORS COMPRISING : - 7 UNITS THREE PHASE PRODUCTION SEPARATORS CAP. : 35,000 BOPD / EACH - 3 UNITS THREE PHASE TEST SEPARATORS CAP. : 10,000 BOPD / EACH	1999	2001
TOTAL SOUTH PARS, IRAN	HYUNDAI ENG & CONSTRUCTION (HDEC) Co. Ltd	ASSALUYEH, SOUTH PARS PHASE 2 & 3 PROJECT IRAN	DESIGN AND SUPPLY : 23 UNITS SKID MOUNTED CHEMICAL INJECTION PACKAGE.	1999	2001
CHEVRON INDONESIA	CHEVRON INDONESIA	SANTAN TERMINAL INDONESIA	DESIGN AND SUPPLY : FIN FAN AIR COOLED HEAT EXCHANGER E-42; CAPACITY 11,602,257 BTU/HR.	2000	2000
CONOCOPHILLIPS	CONOCOPHILLIPS	RAMBA, SUMATERA INDONESIA	DESIGN AND SUPPLY : 2 UNITS SKID MOUNTED THREE PHASE TEST SEPARATOR	2000	2000
UNOCAL THAILAND Ltd.	UNOCAL THAILAND Ltd.	PAILIN FIELD DEV. PROJECT PHASE I THAILAND	DESIGN AND SUPPLY : GAS DEHYDRATION PACKAGE COMPRISING GLYCOL CONTACTOR, REGENERATION SKID AND BTEX RECOVERY PACKAGE WITH CAPACITY : 200 MMSCFD	2000	2001

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
KUFPEC (INDONESIA) Ltd.	KUFPEC (INDONESIA) Ltd.	BULA, SERAM INDONESIA	DESIGN AND SUPPLY : 28,000 BOPD. CRUDE OIL PRODUCTION FACILITIES AND FRACTIONATION UNIT INTO NAPHTHA AND HSFO, 108 PIECES OF EQUIPMENTS FOR : - WELLHEAD FACILITIES - PIPELINES - PIG LAUNCHER/ RECEIVERS - SEPARATORS - HEAT EXCHANGERS / AIR COOLERS - HFSSO FRACTIONATION COLUMN, SIZE: 7' ID X 100 FT OVERAL HEIGHT - CRUDE OIL STORAGE FACILITIES - NAPHTHA AND HSFO STORAGE FACILITIES - TRUNKLINE HEATER, DUTY: 13.7 MM BTU / HR - PROCESS PUMPS - H2S FILTERS, H2S STRIPPER - GAS FLOATION UNIT - REBOILER FURNACE, DUTY: 50 MM BTU / HR - CHEMICAL INJECTION SKID - OTHERS UTILITIES	2000	2002
CHEVRON INDONESIA	CHEVRON INDONESIA	LAWE-LAWE TERMINAL INDONESIA	DESIGN AND SUPPLY : DI-ETHANOL CO2 GAS REMOVAL SYSTEM AMINE; CAPACITY : 40 MMSCFD	2000	2002
CONOCO INDONESIA	HYUNDAI HEAVY INDUSTRIES (HHI)	WEST NATUNA INDONESIA	DESIGN AND SUPPLY : ADDITIONAL 2 (TWO) UNITS CHEMICAL INJECTION SKIDS.	2000	2001
TOTAL MYANMAR	TOTAL MYANMAR	EXPORT FILTER MYANMAR	DESIGN AND SUPPLY : CONDENSATE KO POT AT EXPORT FILTERS.	2001	2001
BP WEST JAVA Ltd.	MCDERMOTT IND.	BP WEST JAVA INDONESIA	DESIGN AND SUPPLY : 4 (FOUR) INSTRUMENT UTILITY GAS PACKAGES.	2001	2002
BP WEST JAVA Ltd.	MCDERMOTT IND.	BP WEST JAVA INDONESIA	DESIGN AND SUPPLY : 23 PRESSURE VESSELS, TANKS AND PRODUCTION SEPARATOR SKID.	2001	2002

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
CONOCOPHILLIPS	CONOCO INDONESIA Inc. Ltd.	HANG TUAH PLATFORM INDONESIA	DESIGN AND SUPPLY : 1 DEW POINT CONTROL UNIT WITH REFRIGERATION PACKAGE GAS FLOW RATE : 270 MMSCFD CHILLER TEMPERATURE : 29 ° F HYDROCARBON DEWPOINT CONTROL = 50 °F @ 550 psig, WATER DEW POINT 65°F @ 550/1800 psig MODULE WEIGHT : 405 T	2002	2002
CONOCOPHILLIPS	CONOCO INDONESIA Inc. Ltd.	BELIDA PLATFORM INDONESIA	DESIGN AND SUPPLY : 1 (ONE) DEW POINT CONTROL UNIT WITH REFRIGERATION PACKAGE (R134A), 474 TONS 1 (ONE) GAS EXPORT COMPRESSOR MODULE, 285 TONS GAS FLOW RATE : 135 MMSCFD CHILLER TEMPERATURE : 29°F DEW POINT : HYDROCARBON DEWPOINT = 50°F @ 550 psig, WATER DEW POINT 65°F @ 550/1800 psig	2002	2003
CHEVRON INDONESIA	CHEVRON INDONESIA	PENAJAM WAREHOUSE INDONESIA	DESIGN AND SUPPLY : 1 (ONE) GLYCOL REBOILER TUBE BUNDLE FOR ATTACKA H-1450.	2002	2003
PETROCHINA	PETROCHINA	PHASE 3, EARLY SALES GAS NG GAS PLANT EXPANSION JABUNG - JAMBI, INDONESIA	DESIGN AND SUPPLY : ALL EQUIPMENTS FOR NGL PLANT, HOT OIL HEATER AND UTILITIES	2002	2003
CONOCOPHILLIPS	PT. TRIPATRA ENGINEERING	SOUTH JAMBI "B" SHALLOW GAS DEVELOPMENT PROJECT INDONESIA	DESIGN AND SUPPLY : DE-ETHANIZER AND DE-PROPANIZER SKID PACKAGES	2003	2003
UZBEKNEFTEGAZ	UZBEKNEFTEGAZ	BUKHARA REFINERY UZBEKISTAN	DESIGN AND SUPPLY : 1 UNIT HEAT EXCHANGER	2003	2003
UZBEKNEFTEGAZ	BUKHARA REFINERY	BUKHARA UZBEKISTAN	COMPLETE PROCUREMENT FOR REFINERY TURNAROUND/SHUTDOWN	2004	2005
TURKMENEFT	TURKMENEFT	TURKMENBASHI REFINERY TURKMENISTAN	DESIGN AND SUPPLY : 1 FLARE STACK x 28"x 110 M	2005	2005

- PT. ISTANA KARANG LAUT -

REFERENCE LIST

C. PROCESS EQUIPMENT DIVISION					
OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
UZBEKNEFTEGAZ	BUKHARA REFINERY	BUKHARA UZBEKISTAN	DESIGN AND SUPPLY : SUPPLY OF PARTS FOR THE REFINERY TURN AROUND	2005	2006
PETROVIETNAM	VIETSOVPETRO	CA MAU PM3 GAS PIPELINE PROJECT, VUNG TAU VIETNAM	DESIGN AND SUPPLY : PIG LAUNCHERS 18"/22" x 5800 MM LENGTH & PIG RECEIVERS 18"/22" x 7300 MM LENGTH	2005	2006
PETROVIETNAM	VIETSOVPETRO	CA MAU PM3 GAS PIPELINE PROJECT, VUNG TAU VIETNAM	DESIGN AND SUPPLY : FLARE SYSTEM 16" OD x 41150H (GUY WIRE SUPPORTED)	2006	2007
PETROVIETNAM	VIETSOVPETRO	CA MAU PM3 GAS PIPELINE PROJECT, VUNG TAU VIETNAM	DESIGN AND SUPPLY : COLD VENT 14" OD x 25.9 M HIGHT (GUY WIRE SUPPORTED)	2006	2007
TURKMENGAZ	ENEX	DOVLETABAD TURKMENISTAN	DESIGN AND SUPPLY : 2 (TWO) FLARES, 32" OD x 30 M HIGHT AND 14" OD x 30 M HIGHT (GUY WIRE SUPPORTED) 2 (TWO) KO DRUMS, 1800 ID x 9000 MM T/T AND 2800 ID x 12000 MM T/T (GUY WIRE SUPPORTED) 2 (TWO) PUMP SKIDS	2006	2007
UZBEKNEFTEGAS	UZTRANGAZ	KUNGRAD GAS DEHYDRATION UNIT, KUNGRAD, UZBEKISTAN	8 MOLECULAR SIEVES ABSORBER (ID 4,3 M, T/T 14 M, WT 50 MM), HEATERS, COMPRESSOR, SCRUBBERS, AIR COOLERS, FILTERS FOR DEHYDRATION PLANT 1300 MMSCFD	2008	2009
BP WEST JAVA	BP WEST JAVA	ONSHORE RECEIVING FACILITIES CILAMAYA, WEST JAVA	1 LOT OF PRESSURE VESSELS, FLARE, PIG RECEIVER, FILTERS ETC	2007	2009
PGN	PGN	METERING STATION BOJONEGARA, WEST JAVA	1 LOT OF PRESSURE VESSELS, FLARE, PIG RECEIVER, FILTERS ETC	2007	2009
PT. PDPDE GAS	PT. ADIPROTEK ENVIRODUNIA	USM METERING STATION JAMBI, INDONESIA	1 LOT OF PRESSURE VESSEL, FLARE, PIG L/R, FILTERS ETC FOR NATURAL GAS, 20 MMSCFD	2010	2011
SOCAR	COMPRA ENERGY	GAS DEHYDRATION UNIT (TEG) GUNASHLI FIELD, AZERBAIJAN	1 COMPLETE GAS DEHYDRATION UNIT (TEG ABSORBER AND REGENERATION), 110 MMSCFD	2011	2012
CHEVRON	CHEVRON BANGLADESH	JALALAD GAS PLANT PROJECT CHEVRON BANGLADESH BLOCK THIRTEEN & FOURTEEN, LTD	EPC for: 1.GAS/GAS HEAT EXCHANGER E-251. SHELL-TUBE THEMA TYPE NEN-12 MMBtu/h DUTY. MONOETHYLENE GLYCOL 1.REFRIGERANT ECONOMIZER V-351. VERTICAL VESSEL 78" ID x 13'8" T-T WITH 325 PSIG	2013	2013

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

D. OPERATION & MAINTENANCE

OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA	PERTAMINA UPPDN III	PULAU UNTUNG, JAWA CENGKARENG AIRPORT INDONESIA	MAINTENANCE, REPAIR CONTRACT FOR SPM BUOY.	1986	1986
PERTAMINA	PERTAMINA UPPDN III	CENGKARENG PULAU UNTUNG, JAWA INDONESIA	MAINTENANCE & REPAIR CONTRACT FOR SPM BUOY REPOSITIONING INCL. CHAIN RETENTIONING	1987	1987
PERTAMINA	PERTAMINA UPPDN III	CENGKARENG PULAU UNTUNG, JAWA INDONESIA	MODIFICATION AND REPAIRS FOR SPM BUOY INCL. WORKS ON PLEM.	1988	1988
PERTAMINA	PERTAMINA UPPDN III	CENGKARENG PULAU UNTUNG, JAWA INDONESIA	MAINTENANCE & REPAIR AVTUR LEAKAGE IN SPM BUOY	1989	1989
PERTAMINA	PERTAMINA UPPDN III	CENGKARENG PULAU UNTUNG, JAWA INDONESIA	MAINTENANCE & REPAIR OF INSIDE PIPING FOR SPM BUOY	1990	1990
PERTAMINA	PERTAMINA UPPDN III	SPM BUOY PULAU UNTUNG, JAWA, CENGKARENG, INDONESIA	SUPPLY + INSTALLATION OF REPLACEMENT FLOATING HOSE FOR SPM.	1991	1991
PERTAMINA	PERTAMINA UPPDN III	SPM BUOY CENGKARENG AIRPORT INDONESIA	REMOVAL OF IMODCO CALM MOORING BUOY FROM CENGKARENG C/W REVAMPING, ADDING FENDER ETC	1991	1992
BP WEST JAVA	BP WEST JAVA	ARII ARJUNA TERMINAL INDONESIA	OVERHAUL 150,000 DWT SPM BUOY NO.2, 11M. DIA X 150 TONNES DEADWEIGHT.	1992	1993
PERTAMINA	PERTAMINA UPPDN I	SPM-BUOY BELAWAN MEDAN INDONESIA	REPLACEMENT OF BALL VALVES INSIDE SPM	1997	1997

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

D. OPERATION & MAINTENANCE

OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
PERTAMINA	PERTAMINA UPPDN I	SPM-BUOY BELAWAN MEDAN	REPAIR OF PDU FOR IMODCO SPM BUOY	1997	1997
TOTAL	TOTAL ABK	ABK FIELD. ABU DHABI UAE	230.000 DWT F.S.O INSPECTION OF TWO CALM LOADING BUOYS DELIVERED BY S.B.M. (1974) AND EMH (1984) C/W REPORT WITH FINDINGS AND RECOMMENDATIONS.	DEC. 97	1998
TOTAL	TOTAL ABK	NEW FSO ON ABK FIELD UAE	INSPECTION OF AN EXISTING 256.000 DWT FSO ON ARZANAH FIELD OFFSHORE ABU DHABI . FEASIBILITY STUDY AS TO USE THIS FSO ON TOTAL'S ABK FIELD INCLUDING HYDRODYNAMIC CALCULATIONS, SELECTION OF THE OPTIMIZED MOORING SYSTEM, ANALYSIS OF CAPEX AND OPEX. REPORT	JAN 98	1998
TOTAL INDONESIA	TOTAL INDONESIA	PECIKO FIELD INDONESIA	POST DRILLING HOOK-UP / COMMISSIONING MWP-B PLATFORM	1999	1999
TOTAL INDONESIA	TOTAL INDONESIA	PECIKO FIELD INDONESIA	POST DRILLING HOOK-UP / COMMISSIONING MWP-A PLATFORM	1999	1999
PREMIER OIL	PREMIER OIL NATUNA SEA LIMITED	ANOVA FIELD - NATUNA SEA INDONESIA	EPC, INSTALLATION, TESTING AND COMMISSIONING OF A FLOATING FLARE	2000	2000
CHEVRON INDONESIA	CHEVRON INDONESIA	SANTAN SBM INDONESIA	DESIGN, ENGINEERING, REFURBISHMENT, MODIFICATION OF FDU FROM SINGLE PRODUCT TO MULTIPRODUCTS AND INSTALLATION OF SANTAN SPM TO LOAD TANKERS 150.000 DWT.	2000	2001
BP WEST JAVA LTD.	BP WEST JAVA LTD.	ARDJUNA FIELD INDONESIA	MODIFICATIONS & OVERHAUL OF SINGLE POINT MOORING (SPM) # 3 TO BE USED AS PERMANENT MOORING SYSTEM FOR A 230.000 DWT FSO TANKER.	2000	2001
TOTAL ABK ABU DHABI	TOTAL ABK	ABK FIELD. ABU DHABI UAE	INSPECTION OF TWO CALM LOADING BUOYS FOR 230.000 DWT F.S.O C/W REPORT WITH FINDINGS AND RECOMMENDATIONS.	NOV 2001	NOV 2001
BP WEST JAVA	BP WEST JAVA	ARDJUNA INDONESIA	ENGINEERING CONTRACT FOR REVAMPING OF SPM 5.	2002	2002
CHEVRON	CHEVRON	EAST KALIMANTAN INDONESIA	ENGINEERING, REFURBISHMENT, MODIFICATION AND INSTALLATION OF SPM # 01. 125.000 DWT	2002	2003

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

D. OPERATION & MAINTENANCE

OWNER	CLIENT	Project Title & Location	BRIEF DESCRIPTION	YEAR OF	
				Purch. Order	Completion
MEDCO GROUP	PT. EXSPAN	OFF - SHORE SUMATERA INDONESIA	OVERHAUL OF SPM Nb1535 (SWIVEL, BEARINGS ETC)	2004	2004
KUFPEC INDONESIA	KUFPEC INDONESIA	SERAM ISLAND INDONESIA	3 1/2 YEAR OPERATION AND MAINTENANCE FOR 28000 BPD OIL PRODUCTION FACILITIES AND FRACTIONATION UNIT NAPTHA/HSFO INCLUDING EXPORT LOADING OPERATIONS (258 PEOPLE)	2003	2007
ELLIPSE	ELLIPSE	CIKARANG, WEST JAVA INDONESIA	OPERATION AND MAINTENANCE OF THE WHOLE GAS PROCESSING PLANT AND COMPRESSION UNIT	2005	2006
JOB PERTAMINA TALISMAN JAMBI MERANG	JOB PERTAMINA TALISMAN JAMBI MERANG	GAS AND CONDENSATE METERING RECERTIFICATION SERVICES	TECHNICAL SERVICES	2014	2013
PT TRANSPORTASI GAS INDONESIA	PT TRANSPORTASI GAS INDONESIA	CALIBRATION AGENT SERVICES FOR SINGAPORE LINE 2013 - 2016	METERING SYSTEM CALIBRATION AGENT, FOR PT. TRANSPORTASI GAS INDONESIA, CONOCOPHILLIPS, PETROCHINA, JOB-JAMBI MERANG, IDLP AND PDPDE	2006	2016
PT TRANSPORTASI GAS INDONESIA	PT TRANSPORTASI GAS INDONESIA	ASSESSMENT TEMPINO METERING STATION JAMBI - INDONESIA	SITE SURVEY, TECHNICAL DESIGN DOCUMENT REVIEW, DATA TRANSFER FROM GC TO FLOW COMP AND FLOW COMP CONFIGURATION AND ASSESSMENT	2014	2017
EXXONMOBIL INDUSTRI	MOBIL CEPU	EAST JAVA INDONESIA	3 YEARS CALIBRATION AND TROUBLESHOOTING SERVICES FOR ALL METERING DEVICES OF THE CEPU PROJECT	2014	2017