

- 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 | CENGKARENG 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 CENGKARENG 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 |

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REFERENCE LIST

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| TOTAL INDONESIA | TOTAL INDONESIA | SENIPAH CSU PROJECT EAST KALIMANTAN INDONESIA | EPS CONTRACT FOR CONDENSATE STABILIZATION PLANT, COMPRISING: <ul style="list-style-type: none"> - 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 : <ul style="list-style-type: none"> - 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 PANEL DUTY : 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, COMPRISING : - (1) SKID MOUNTED PIG RECEIVER, 24" X 30", 1500# - (1) SKID MOUNTED PIG RECEIVER, 24" X 30", 900# - (1) SKID MOUNTED PIG RECEIVER, 24" X 30", 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 INCL. COMPUTER CONTROL SYSTEM & ANALYZER SYSTEM. - (1) LOT 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 |

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

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| 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 |
| 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 |

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REFERENCE LIST**

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| UZBEKNEFTEGAS | UZTRANGAZ | GAS DEHYDRATION UNIT KUNGRAD, UZBEKISTAN | EPC FOR NATURAL GAS, 35 Million Nm ³ /day (1300 MMSCFD). MOLECULAR SIEVES | 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 MONGLA, BANGLADESH | EPC FOR 2500 BPD CONDENSATE FRACTIONATION REFINERY C/W NAPHTHA HYDRO TREATING (NHT) AND CATALYTIC REFORMING UNIT (CRU) | 2010 | 2012 |

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

A. OFFSHORE PLANTS

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|---------------------|---------------------|--|---|--------------|------------|
| | | | | Purch. Order | Completion |
| 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 SATELITES 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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|-----------------|---|--|---|--------------|------------|
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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 | 2012 | 2013 |

- PT. ISTANA KARANG LAUT -
REFERENCE LIST

B. METERING SYSTEM DIVISION

| OWNER | CLIENT | Project Title & Location | BRIEF DESCRIPTION | YEAR OF | |
|--|-----------------------------|---|---|--------------|------------|
| | | | | Purch. Order | Completion |
| 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 & DEPRESURIZATION 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

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| | | | | Purch. Order | Completion |
| 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 |

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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 MANUNGGAL | 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

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|---------------------------------------|--|--|---|--------------|------------|
| | | | | Purch. Order | Completion |
| 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 | | | | | |
|------------------------------------|-----------------------------|--|---|--------------|------------|
| OWNER | CLIENT | Project Title & Location | BRIEF DESCRIPTION | YEAR OF | |
| | | | | Purch. Order | Completion |
| PT. DHARMA PRATAMA SEJATI | PT. ENERGASINDO HEKSA KARYA | PLTG PT. PLN PAYO SELINCAH JAMBI, INDONESIA | DESIGN AND SUPPLY : ULTRA SONIC METERING STATION | 2008 | 2009 |
| SEMBCORP GAS SINGAPORE | SEMBCORP 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. 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 | |
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| | | | | 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 INDONESIA | TOTAL INDONESIA | 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 INDONESIA | TOTAL INDONESIA | 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 INDONESIE | TOTAL INDONESIE | 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 (CO ₂ + H ₂ S) 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 INDONESIE | TOTAL INDONESIE | 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 INDONESIE | TOTAL INDONESIE | 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 DURI 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 | |
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| | | | | 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 INDONESIE | TOTAL INDONESIE | 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 INDONESIE | TOTAL INDONESIE | 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 - HFSO 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 FLOATATION 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 ATTAKA 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 |

- 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 |
| PT. TRANSPORTASI GAS INDONESIA | PT. TRANSPORTASI GAS INDONESIA | SUMATERA, BATAM INDONESIA | 6 1/2 YEARS CALIBRATION SERVICES, TROUBLESHOOTING SERVICES FOR 5 METERING STATIONS OWNED BY PT. TGI (CONOCOPHILLIPS, PETROCHINA + PGN) | 2006 | 2014 |