



### Experience list of Equipment Installation

PURCHASER	DESCRIPTIONS	OWNER	PROJECT NAME	QUALITY	WEIGHT (ton)	COMMENCEMENT	COMPLETED	DESIGN	MATERIAL	SHOP	FIELD	JOB NUMBER
AIR LIQUIDE (THAILAND) CO., LTD.	N2 LIQUID TANK SERVICE	AIR LIQUIDE (THAILAND) CO., LTD.	-	1 UNIT	n/a	3-Feb-12	8-Feb-12	-	-	X	-	12-7577
ASIA SILICONE MONOMER LIMITED	RE-NOZZLE FOR ITEM NO. CI-12151 AND CI-12251	ASIA SILICONE MONOMER LIMITED	RE-NOZZLE FOR ITEM NO. CI-12151 AND CI-12251	1 SET	0.00	05-Jan-16	13-May-16	X	X	-	-	16-8474
BANGKOK NAIL & WIRE CO., LTD.	REDESIGN PIPING	BAYER THAI CO., LTD.	-	1 SET	n/a	17-Aug-13	30-Aug-13	X	X	X	-	13-8013
BANGKOK POLYETHYLENE PUBLIC CO., LTD.	ROUGHNESS CHECKING	BANGKOK POLYETHYLENE PUBLIC CO., LTD.	-	1 SET	n/a	11-Oct-11	23-Dec-11	-	-	-	X	11-7495
BAYER THAI CO., LTD.	ADD DRAIN NOZZLE IRON HYDROXIDE TOWER 1-3	BAYER THAI CO., LTD.	ADDITION DRAIN LOW POINT AND FLOO DRAINAGE'S HOLE OF CO IRON HYDROXIDE EQUIPMENT AND 2	1 SET	n/a	23-May-12	1-Oct-12	X	X	X	X	12-7687
BAYER THAI CO., LTD.	CUT OLD SHELL AND TUBE HEAT EXCHANGER	BAYER THAI CO., LTD.	ENQUIRY QUOTATION TO CUT OLD SHELL AND TUBE HEAT EXCHANGER : ECONOMIZER	1 SET	n/a	2-Feb-12	25-Feb-12	-	-	X	-	12-7576
BAYER THAI CO., LTD.	FABRICATION PIPING	BAYER THAI CO., LTD.	PIPING AND PIPE SUPPORT	2 SETS	10.21	2-Oct-12	1-Apr-13	X	X	X	-	12-7789
BAYER THAI CO., LTD.	MODIFICATION 3 EXISTING HOPPERS	BAYER THAI CO., LTD.	-	3 SETS	n/a	3-Jun-13	24-Jun-13	X	X	X	X	13-7957
BAYER THAI CO., LTD.	MODIFY IBK MIX TANK	BAYER THAI CO., LTD.	-	1 UNIT	n/a	21-Nov-69	15-Feb-13	X	X	X	-	12-7819
BAYER THAI CO., LTD.	MODIFY LIFTING LUG OF 5 COKE HOPPERS	BAYER THAI CO., LTD.	-	5 UNITS	n/a	10-Sep-13	22-Nov-13	X	X	X	-	13-8023
BAYER THAI CO., LTD.	REACTOR 5 MODIFICATION	BAYER THAI CO., LTD.	-	1 UNIT	n/a	19-Mar-14	18-Aug-14	X	X	X	X	14-8134
BAYER THAI CO., LTD.	REACTOR NO.3 MODIFICATION	BAYER THAI CO., LTD.	REACTOR NO.3 MODIFICATION	1 UNIT	n/a	11-Feb-15	7-Apr-15	X	X	-	X	15-8302
BAYER THAI CO., LTD.	REPAIR EXISTING HOPPER	BAYER THAI CO., LTD.	-	1 SET	n/a	25-Jul-14	2-Aug-14	-	X	X	-	14-8202
BAYER THAI CO., LTD.	REPAIR EXISTING HOPPER	BAYER THAI CO., LTD.	-	1 SET	n/a	16-May-14	30-May-14	-	X	X	X	14-8164
BAYER THAI CO., LTD.	REPLACE BASKET HOLDER SHEET OF FILTER	BAYER THAI CO., LTD.	-	1 UNIT	n/a	19-Nov-13	31-Jan-14	X	X	X	-	13-8065
BOONYIUM & ASSOCIATES LIMITED	PIPE FABRICATION WITH SUPPORT	PTTEP INTERNATIONAL LIMITED	-	1 SET	0.40	18-May-15	30-Jun-15	-	X	X	-	15-8358
CARICALI-PTTEPI OPERATING COMPANY SDN BHD.	PROVISIONN OF MANPOWER AND MATERIALS FOR PRESSURE VESSEL AND HEAT EXCHANGER REPAIR WELDING (2016 MAY SHUTDOWN)	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	CPOC BLOCK B17	1 LOT	0.00	27-Apr-16	26-May-16	-	-	-	-	16-8540
CARICALI-PTTEPI OPERATING COMPANY SDN BHD.	VESSEL REPAIR WELDING	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	CPOC BLOCK B17	1 LOT	0.00	13-Feb-16	15-Mar-16	-	-	-	-	16-8500
CARIGALI HESS OPERATING COMPANY SDN. BHD.	WELDING REPAIR FOR E-1310	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	-	1 LOT	n/a	25-Mar-15	30-Mar-15	-	X	X	-	15-8324
CARIGALI-PTTEPI OPERATING COMPANY SDN BHD	CPOC MUDA SD MAINTENANCE	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	-	1 SET	n/a	24-Jul-13	29-Jul-13	-	-	-	X	13-7990
CARIGALI-PTTEPI OPERATING COMPANY SDN BHD	PROVISION OF PATOH PLATE & VESSEL REPAIR WELDING	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	-	1 Set	n/a	10-Sep-14	31-Oct-14	-	X	X	-	14-8218
CARIGALI-PTTEPI OPERATING COMPANY SDN BHD	VESSELS REPAIR WELDING	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	-	1 SET	n/a	7-May-14	16-May-14	-	-	-	X	14-8158
CARIGALI-PTTEPI OPERATING COMPANY SDN BHD	VESSEL REPAIR WELDING	CARICALI-PTTEPI OPERATING COMPANY SDN BHD	-	1 LOT	n/a	25-Nov-14	4-Dec-14	-	X	-	-	14-8263
CHEVRON THAILAND EXPLORATION AND PRODUCTION LTD.	ACTIVATED CARBON FILTER AND SILICA GEL FILTER	CHEVRON THAILAND EXPLORATION AND PRODUCTION LTD.	-	2 UNITS	0.17	5-Jan-12	13-Feb-12	X	X	X	-	12-7550
CHEVRON THAILAND EXPLORATION AND PRODUCTION LTD.	RE-CERTIFICATION FOR V-1720 AND AC BUNDLE OF BOOSTER COMPRESSOR	CHEVRON THAILAND EXPLORATION AND PRODUCTION LTD.	-	1 SET	n/a	18-Jun-14	30-Aug-14	X	-	X	-	14-8187
CHEVRON THAILAND EXPLORATION AND PRODUCTION LTD.	RE-CERTIFICATION FOR V-1720 AND AC BUNDLE OF BOOSTER COMPRESSOR	CHEVRON THAILAND EXPLORATION AND PRODUCTION LTD.	-	1 SET	n/a	6-Jun-11	4-Jul-11	X	-	-	X	11-7399
CHIYODA CORPORATION	REPAIR WORK OF BV204-1 & 2	CHIYODA CORPORATION	STR PROJECT	1 SET	n/a	29-Aug-11	3-Sep-11	-	-	-	X	11-7468
CONVESTRO (THAILAND) CO., LTD.	REPAIR 1 LEG OF HOPPER 510-22-013	CONVESTRO (THAILAND) CO., LTD.	REPAIR 1 LEG OF HOPPER 510-22-013	1 SET	0.00	11-Feb-16	22-Feb-16	-	X	-	-	16-8498
CR ASIA (THAILAND) CO., LTD.	REPLACEMENT REDUCTION ZONE R1501/2/3/4	CR ASIA (THAILAND) CO.,LTD.	-	1 SET	0.00	22-Jan-16	30-May-16	-	X	-	-	16-8487
CR ASIA (THAILAND) CO.,LTD	MODIFICATION WORK - LEAK REPAIR E-1320A/B	CR ASIA (THAILAND) CO.,LTD	-	1 SET	n/a	23-Jan-13	1-Feb-13	-	-	-	X	13-7870
CR ASIA (THAILAND) CO.,LTD	MODIFICATION WORK REPAIR VESSEL V-0511	CR ASIA (THAILAND) CO.,LTD	REPAIR VESSEL V-0511	1 SET	n/a	9-Dec-12	12-Dec-12	-	-	-	X	12-7785
CUEL LIMITED	REPAIR FLANGE FACE OF HP GAS SCRUBBER (V-1020) Cancel Job	CUEL LIMITED	-	1 SET	n/a	15-Aug-14	25-Aug-14	-	-	X	-	57-0182
DACON INSPECTION SERVICES CO., LTD.	MODIFICATION WORK - CPOC SHUTDOWN	DACON INSPECTION SERVICES CO., LTD.	MDPP SHUTDOWN (CPOC)	1 SET	n/a	21-Aug-12	30-Aug-12	-	-	-	X	12-7750
DACON INSPECTION SERVICES CO., LTD.	OFFSHORE MODIFICATION WORK	DACON INSPECTION SERVICES CO., LTD.	CPOC MDB PIG TRAP DRAIN REPAIRING	1 SET	n/a	13-Feb-12	20-Feb-12	-	-	-	X	12-7583
DACON INSPECTION SERVICES CO., LTD.	REPAIR VESSEL PER LIST AT OFFSHORE	DACON INSPECTION SERVICES CO., LTD.	-	1 SET	n/a	9-Oct-11	14-Oct-11	-	-	-	X	11-7477
EX SERVICES CO., LTD.	NOZZLE MODIFICATION	EX SERVICES CO., LTD.	-	2 SETS	n/a	19-Aug-11	3-Sep-11	X	-	X	-	11-7460
EXTERRAN (THAILAND) LTD.	SUPPLY 6" DUPLEX S-SPOOL	EXTERRAN (THAILAND) LTD.	-	1 SET	n/a	6-Feb-12	17-Feb-12	-	X	X	-	12-7578
GLOBAL POWER SYNERGY CO., LTD.	REPAIRING WELDS FOR HP DRUM AT CIRCUMFERENTIAL SEAMS RS5 AND RS7	GLOBAL POWER SYNERGY CO., LTD.	-	1 SET	n/a	25-Jan-13	15-Feb-13	-	-	-	X	13-7872
GLOBAL POWER SYNERGY CO., LTD.	REPAIRING WELDS OF HP DRUM AT SITE	GLOBAL POWER SYNERGY CO., LTD.	-	1 UNIT	0.00	11-Jul-16	12-Jul-16	-	-	-	-	16-8582
HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	INSTALL ANCHOR BOLT RTP2-PJ-CO-011	HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	RUNG TAWAN PROJECT II	1 LOT	n/a	2-Jun-15	15-Jun-15	X	X	-	X	15-8364
HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	NOZZLE INSTALLATION FOR ULTRASONIC TYPE FLOW METER	JSR BST ELASTOMER CO., LTD.	RUNG TAWAN PROJECT II	1 SET	n/a	6-Apr-15	10-Apr-15	-	-	-	X	15-8332
HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	REPAIR NOZZLE N-13 OF EQUIPMENT TAG NO.R-120	HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	REPAIR NOZZLE N-13 OF EQUIPMENT TAG NO.R-120	1 TANK	n/a	27-Oct-14	1-Nov-14	-	-	-	-	14-8254
HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	REPAIR PROCEDURE OF TROUBLE IN TRANSPORT OF COLUMN	JSR BST ELASTOMER CO., LTD.	RUNG TAWAN PROJECT II	1 SET	n/a	19-May-15	21-Jun-15	-	-	-	-	15-8359



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PURCHASER	DESCRIPTIONS	OWNER	PROJECT NAME	QUALITY	WEIGHT (ton)	COMMENCEMENT	COMPLETED	DESIGN	MATERIAL	SHOP	FIELD	JOB NUMBER
HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	REPAIR WORK OF V-3,4 LWN FLANGE AND CONTAMINATION OF EXPANSION SURFACE FOR E-20115	JSR BST ELASTOMER CO., LTD.	RUNG TAWAN PROJECT II	1 LOT	n/a	30-Mar-15	4-Apr-15	X	X	-	X	15-8328
HITACHI PLANT TECHNOLOGIES (THAILAND) CO., LTD.	TEMPORARY PIPE	JSR BST ELASTOMER CO., LTD.	RUNG TAWAN PROJECT II PROJECT	1 SET	n/a	23-Jan-15	20-Feb-15	-	X	X	-	15-8295
HMC POLYMERS CO., LTD.	REFRIGERATION OIL RESERVIOR MODIFICATION	HMC POLYMERS CO., LTD.	REFRIGERATION OIL RESERVOIR MODIFICATION	1 SET	0.50	5-Apr-13	16-Jul-13	X	X	X	X	13-7933
HMC POLYMERS CO., LTD.	REPAIR EXPANSION BELLOW OF R-2004	HMC POLYMERS CO., LTD.	-	1 SET	n/a	8-Feb-12	16-Feb-12	-	-	-	X	12-7587
HMC POLYMERS CO., LTD.	REPLACE PLATE IN SCAPETTA	HMC POLYMERS CO., LTD.	-	1 SET	0.45	5-Jun-14	7-Jul-14	X	X	X	X	14-8177
LUCKY CARRIER CO., LTD.	งานซ่อมถังขนาด 34,982 ลิตร S/N 16.4 DLT-012	LUCKY CARRIER CO., LTD.	-	1 TANK	n/a	17-Jun-13	30-Jul-13	X	X	X	-	13-7966
LUCKY CARRIER CO., LTD.	งานติดตั้งแก๊สไฮโดรเจนปรับ NOZZLE ของถังติดตั้งบนรถบรรทุก	LUCKY CARRIER CO., LTD.	-	6 TANKS	n/a	25-Oct-12	20-Nov-12	X	X	X	-	12-7808
MES MITR PROJECT SERVICES CO., LTD.	REPAIRING WORK FOR SILO TK-1101	THAI PET RESIN CO., LTD.	TPRC PROJECT	1 SET	n/a	9-Sep-11	25-Jan-12	-	-	-	X	11-7475
MODEC & TOYO OFFSHORE PRODUCTION SYSTEMS PTE LTD.	SUPPLY MANWAY GASKETS	MODEC & TOYO OFFSHORE PRODUCTION SYSTEMS PTE LTD.	OXS 3 FPSO PROJECT	9 SETS	n/a	2-Feb-13	4-Mar-13	-	X	-	-	13-7877
PRAXAIR (THAILAND) CO., LTD.	MAINTENANCE WORK FOR 20,990 LITS CO2 LORRY TANK	PRAXAIR (THAILAND) CO., LTD.	-	2 UNITS	n/a	29-Jul-11	25-Oct-11	-	-	X	-	11-7442
PRAXAIR (THAILAND) CO., LTD.	MAINTENANCE WORK OF CO2 LORRY TANK	PRAXAIR (THAILAND) CO., LTD.	-	12 UNITS	n/a	25-Feb-14	1-Aug-14	-	-	X	-	14-8116
PRAXAIR (THAILAND) CO., LTD.	MAINTENANCE WORK OF CO2 LORRY TANK SERIAL NO. LT-10/5 AND 20BLT-027	PRAXAIR (THAILAND) CO., LTD.	-	13 UNITS	n/a	14-Mar-13	3-Jan-14	-	-	X	-	13-7911
PRAXAIR (THAILAND) CO., LTD.	MAINTENANCE WORK CO2 LORRY TANK (LICENSE NO.816289 & 82-5181)	PRAXAIR (THAILAND) CO., LTD.	-	2 UNITS	n/a	31-Mar-15	31-May-15	X	X	X	-	15-8331
PRAXAIR (THAILAND) CO., LTD.	RE-INSTALL VALVE FOR LCO2	PRAXAIR (THAILAND) CO., LTD.	-	1 SET	n/a	9-Jul-13	17-Jul-13	-	-	X	-	13-7995
PRAXAIR (THAILAND) CO., LTD.	REPAIRING CO2 LORRY TANK (TRUCK NO. 81-9669)	PRAXAIR (THAILAND) CO., LTD.	-	1 UNIT	n/a	1-Apr-13	23-May-13	-	X	X	-	13-7927
PRAXAIR (THAILAND) CO., LTD.	REPAIRING WORK CO2 LORRY TANK	PRAXAIR (THAILAND) CO., LTD.	-	1 SET	n/a	13-Feb-13	15-Mar-13	-	X	X	-	13-7887
PRAXAIR (THAILAND) CO., LTD.	REPAIRING WORK OF CO2 SEMI-TRAILER SERIAL NO. 20BLT-047	PRAXAIR (THAILAND) CO., LTD.	-	1 UNIT	n/a	19-May-14	25-Jun-14	-	X	X	-	14-8165
PRAXAIR (THAILAND) CO., LTD.	REPAIRING WORK OF CO2 SEMI-TRAILER SERIAL NO. 20DLT-051	PRAXAIR (THAILAND) CO., LTD.	-	1 UNIT	n/a	19-May-14	1-Aug-14	-	X	X	-	14-8166
PRAXAIR (THAILAND) CO., LTD.	MAINTENANCE WORK OF LCO2 LORRY TANK	PRAXAIR (THAILAND) CO., LTD.	-	18 EA	0.00	29-Apr-16	31-Dec-16	-	-	-	-	16-8543
PRAXAIR (THAILAND) CO., LTD.	MAINTENANCE WORK OF LCO2 LORRY TANK	PRAXAIR (THAILAND) CO., LTD.	-	3 UNITS	0.00	09-Jul-16	29-Jul-16	-	-	-	-	16-8580
PTT ASAHI CHEMICAL CO., LTD.	PIPING MODIFICATION OF MMA PLANT	PTT ASAHI CHEMICAL CO., LTD.	PIPING MODIFICATION OF MMA PLANT	1 LOT	n/a	28-Jun-12	15-Jul-12	-	X	X	X	12-7716
PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	SUPPLY OF QUALIFIED WELDER WITH WPS QUALIFIED BY ABS	PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	BONGKOT PROJECT	1 SET	n/a	23-Oct-12	29-Oct-12	-	-	-	X	12-7805
PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	THE PROVISION OF AI AND R-STAMP	PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	ARTHIT FIELD DEVELOPMENT PROJECT	1 SET	n/a	15-Mar-11	30-Apr-11	-	X	-	X	11-7326
PTT MAINTENANCE AND ENGINEERING CO., LTD.	CUTTING AND MODIFY V-1301 AND E-1301	PTT MAINTENANCE AND ENGINEERING CO., LTD.	-	1 UNIT	76.72	21-Sep-13	1-May-14	X	X	X	X	13-8029
PTT MAINTENANCE AND ENGINEERING CO., LTD.	INSTALLATION NOZZLE OF C-1301	PTT POLYETHYLENE CO., LTD.	PTTPE ETHANE CRACKER PROJECT	1 SET	n/a	21-Jul-11	9-Dec-11	X	-	-	X	11-7432
PTT MAINTENANCE AND ENGINEERING CO., LTD.	R STAMP HOLDER AND AI CERTIFY	PTT MAINTENANCE AND ENGINEERING CO., LTD.	-	1 SET	n/a	28-Aug-12	31-Aug-12	X	-	-	X	12-7761
PTT MAINTENANCE AND ENGINEERING CO., LTD.	REPLACE A NEW DOWNCOMER NOZZLE WITH "R" STAMP	PTT MAINTENANCE AND ENGINEERING CO., LTD.	-	1 UNIT	n/a	6-Mar-13	3-May-13	-	-	-	X	13-7902
PTT MAINTENANCE AND ENGINEERING CO., LTD.	ROUGHNESS CHECKING	PTT MAINTENANCE AND ENGINEERING CO., LTD.	-	1 SET	n/a	18-Aug-11	1-Nov-11	-	-	-	X	11-7459
PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	GBS MEMGUARD VESSEL REPAIR	PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	1101 PTTEP BONGKOT B15, B16, B17	1 UNIT	0.00	09-Feb-16	08-Jul-16	-	-	-	-	16-8496
PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	SS CLADDING WELD SEVERELY DAMAGED	PTT EXPLORATION AND PRODUCTION PUBLIC CO., LTD.	-	1 SET	n/a	3-Jun-15	10-Jun-15	X	X	X	-	15-8365
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	940-V4 INLET NOZZLE MODIFICATION TE4302	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 UNIT	n/a	12-Jun-14	30-Dec-14	X	X	X	X	14-8183
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	A-210 QUENCH OIL TOWER HOT TAPPING	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 UNIT	n/a	21-Feb-14	8-Mar-14	X	X	X	X	57-0161
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	EWV NO. 082 (REPAIR COLUMN C-2501)	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	GC6 REFINERY T/A-2016	1 SET	0.00	21-May-16	31-Jul-16	X	X	-	-	16-8559
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	F1101 ROOF REPAIR AND F1102 CONVECTION COVER PLANTE FABRICATION	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	GC6 REFINERY T/A-2016 PROJECT	1 SET	0.00	11-May-16	30-Jul-16	-	-	-	-	16-8553
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	INSTALL BUFFER HOOD FOR M-310, M-320, M-330, M-335 AND M-340	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 LOT	n/a	31-May-13	20-Dec-13	X	X	X	X	13-7955
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	INSTALLATION SPARGER FOR M-566	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 LOT	n/a	31-May-13	6-Sep-13	X	X	X	X	13-7956
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	JOB INSTALLATION NEW DEMISTER FOR M-3307	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 LOT	n/a	31-May-13	4-Jul-13	X	X	X	X	13-7954
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	MODIFICATION WORK FOR TK-462	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	MODIFICATION NOZZLE OF HOPPER TK-462	1 SET	n/a	8-Sep-12	7-Oct-12	-	-	-	X	12-7774
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	MODIFICATION WORK AT V-1208	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 SET	0.00	22-Jan-16	15-May-16	X	-	-	-	16-8488



### Experience list of Equipment Installation

PURCHASER	DESCRIPTIONS	OWNER	PROJECT NAME	QUALITY	WEIGHT (ton)	COMMENCEMENT	COMPLETED	DESIGN	MATERIAL	SHOP	FIELD	JOB NUMBER
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	PACKAGE S.21 & S.09_VESSEL & PIPE REPAIR FOR GC11-OLEFINS 3 (ET CRACKER) PLANT	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	PACKAGE S.21 & S.09_VESSEL & PIPE REPAIR FOR GC11-OLEFINS 3 (ET CRACKER) PLANT	1 SET	0.00	06-Jan-16	31-May-16	-	-	-	-	16-8476
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	REPAIR WELD SEAM	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	TOC STEAM GENERATION PLANT PROJECT	1 SET	n/a	4-Nov-11	7-Nov-11	-	-	-	X	11-7506
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	REPAIRING COLUMN T-532, T-533, T-534 and T-535	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	REPAIRING COLUMN T-532, T-533, T-534 and T-535	4 PC	11.44	17-Sep-14	26-Sep-14	X	X	X	-	57-0196
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	REPLACEMENT BOTTOM CHANNEL E-536	TOC GYCOL COMPANY LIMITED	-	1 SET	0.00	04-Feb-16	10-May-16	X	X	-	-	16-8492
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	REPLACEMENT NOZZLE FLANGE AND PIPE LINE OF SPHERICAL TANK	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	SPHERICAL TANK NO. O-FA-811C	1 SET	0.00	14-May-16	20-Jun-16	X	X	-	-	16-8554
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	SHOT FABRICATION AND FIELD ERECTION/INSTALLATION STRIPPER COLUMN	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	PTTAR CPX I EFFICIENCY IMPROVEMENT PROJECT	1 UNIT	14.77	12-Jul-13	31-Dec-14	X	X	X	X	13-7988
PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	SLEEVE PLATE OF T-536 AT TOCGC PLANT	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 SET	0.00	02-Jun-16	10-Jun-16	X	X	-	-	16-8562
PTT PUBLIC CO., LTD.	ADDITIONAL LPG TRANSFER PUMP TO BAN RONG PO LPG, Khao Bo Ya Terminal	PTT PUBLIC CO., LTD.	-	1 LOT	n/a	16-Mar-14	7-Sep-15	X	X	-	X	14-8121
PTT PUBLIC CO., LTD.	INSTALL NEW NOZZLE ON BOTTOM MANHOLE D90517	PTT PUBLIC CO., LTD.	-	1 UNIT	n/a	29-Feb-12	5-Mar-12	X	X	-	X	12-7601
PTT PUBLIC CO., LTD.	INSTALL NEW NOZZLE OF SPHERICAL TANK NO.D-303	PTT PUBLIC CO., LTD.	-	1 UNIT	n/a	13-May-15	12-Jul-15	X	X	-	X	15-8352
PTT PUBLIC CO., LTD.	MODIFICATION LP FUEL GAS KO DRUM NO. 3622-D-002	PTT PUBLIC CO., LTD.	-	1 UNIT	1.67	5-Jul-14	13-Jul-14	X	X	X	X	14-8194
PTT PUBLIC CO., LTD.	SUPPLY AND INSTALL NEW NOZZLE FOR TANK NO. D90512-14 & D90516	PTT PUBLIC CO., LTD.	-	4 SETS	n/a	17-Feb-12	17-Mar-12	X	X	X	X	12-7591
PTT PUBLIC CO., LTD.	SUPPLY AND INSTALL NEW NOZZLE FOR TANK NO. D90517	PTT PUBLIC CO., LTD.	-	1 SET	n/a	20-Jan-12	15-Feb-12	X	X	X	X	12-7567
PTT PUBLIC CO., LTD.	SUPPLY BLIND FLANGE WITH NOZZLE FOR TANK NO. D90512 - D90516	PTT PUBLIC CO., LTD.	-	5 SETS	n/a	23-Mar-12	23-Apr-12	X	X	-	X	12-7637
PTT PUBLIC CO., LTD.	WELDING REPAIR OF SURFACE PIPING AT SITE	PTT PUBLIC CO., LTD.	KHAO BO YA LPG TERMINAL	1 SET	n/a	27-Apr-11	13-Jun-68	-	-	-	X	11-7368
PTT PUBLIC CO., LTD.	งานเพิ่มเติมคลังก๊าซบ้านโรงโม่ และชาวโม่ยา	PTT PUBLIC CO., LTD.	-	1 LOT	n/a	16-Mar-14	2-Oct-15	X	X	X	-	14-8121/1
PTT PUBLIC CO., LTD.	งานจ้างเหมาปรับปรุงถังก๊าซ 4.3 ตัน	PTT PUBLIC CO., LTD.	-	20 TANKS	n/a	20-Jan-15	20-Mar-15	X	X	X	-	15-8290
PTT PUBLIC CO., LTD.	งานจ้างเหมาปรับปรุงถังก๊าซ 4.3 ตัน	PTT PUBLIC CO., LTD.	-	12 TANKS	n/a	14-Mar-13	30-Apr-13	X	X	X	-	13-7915
PTT PUBLIC CO., LTD.	งานจ้างเหมาปรับปรุงถังก๊าซ 4.3 ตัน	PTT PUBLIC CO., LTD.	-	8 TANKS	n/a	19-Sep-14	19-Dec-14	X	X	X	-	14-8233
PTT PUBLIC CO., LTD.	งานจ้างเหมาปรับปรุงถังก๊าซ 21 ตัน พร้อมอุปกรณ์ประจำถัง	PTT PUBLIC CO., LTD.	-	2 TANKS	0.00	24-Mar-16	20-Jun-16	X	X	-	-	16-8518
PTT PUBLIC CO., LTD.	งานจ้างเหมาปรับปรุงถังก๊าซ 4.3 ตัน พร้อมอุปกรณ์ประจำถัง	PTT PUBLIC CO., LTD.	-	9 TANKS	0.00	08-Mar-16	05-Jun-16	X	X	-	-	16-8510
PTT PUBLIC CO., LTD.	บทก. 2-47-051 REPAIR TANK WANGON AT SITE	PTT PUBLIC CO., LTD.	-	1 LOT	0.00	18-May-16	16-Jun-16	-	-	-	-	16-8557
PTTEP INTERNATIONAL LIMITED	INSPECTION AND REPAIR INDIRECT GAS FIRED HEATER	PTTEP INTERNATIONAL LIMITED	(13Z01) NPI-A PERMANENT PRODUCTION FACILITIES PROJECT	1 SET	n/a	20-Feb-15	20-Apr-15	-	X	X	-	15-8310
PUNJ LLOYD GROUP JV	PAINTING AND INSULATION FOR FUEL GAS HEATER	PUNJ LLOYD GROUP JV	PCF PROJECT	1 SET	n/a	28-May-12	12-Jun-12	-	X	X	-	12-7691
RAYONG ENGINEERING & PLANT SERVICES CO., LTD.	STRENGTH CAL. / INSTALLATION EXPANSION JOINT BELOW FOR HEAT EX E-242	RAYONG ENGINEERING & PLANT SERVICE CO., LTD.	ROC PLANT TA PERIOD PROJECT	1 SET	0.00	06-Jul-16	10-Dec-16	X	X	-	-	16-8577
RAYONG ENGINEERING & PLANT SERVICE CO., LTD.	ADDITIONAL NOZZLE 1-1/2 FOR TANK D-2203 AND D-2206	THAI POLYETHYLENE CO., LTD.	TPP_PC2CDL	1 SET	n/a	5-Jan-12	15-Mar-12	X	X	X	X	12-7551
RAYONG ENGINEERING & PLANT SERVICE CO., LTD.	MODIFICATION NOZZLE (TK-217 AND TK-218)	THAI POLYETHYLENE COMPANY LIMITED	DPEX PROJECT	1 SET	n/a	22-Apr-15	7-Jul-15	-	X	-	X	15-8341
RAYONG ENGINEERING & PLANT SERVICE CO., LTD.	RECONDUCTION HEAT EXCHANGER PACKAGE E-302AB & E425	RAYONG ENGINEERING & PLANT SERVICE CO., LTD.	ROCD PROJECT	3 UNITS	0.00	11-May-16	15-Aug-16	X	X	-	-	16-8552
SC CARRIER CO., LTD.	MODIFICATION OF 8.4DLT	SC CARRIER CO., LTD.	-	15 TANKS	n/a	4-May-12	5-Aug-12	X	X	X	-	12-7669
SC MANAGEMENT CO., LTD.	MODIFICATION OF MINI ISO TANKS	SC MANAGEMENT CO., LTD.	-	6 TANKS	n/a	11-Jan-12	24-Feb-12	X	X	X	-	12-7560
SCG-DOW GROUP	NOZZLE DESIGN FOR EXISTING VESSELS	SCG-DOW GROUP	MTP COATINGS II LOPA COMPLIANCE PROJECT	9 UNITS	n/a	21-Jan-11	31-Jan-11	X	-	-	X	11-7281
SIAM MITSUI PTA CO., LTD.	EXPAND DISCHARGE DRYER	SIAM MITSUI PTA CO., LTD.	-	1 UNIT	0.40	28-May-12	29-Jun-12	X	X	X	-	12-7690
SIAM MITSUI PTA CO., LTD.	REPLACEMENT TE-201C	SIAM MITSUI PTA CO., LTD.	-	1 SET	n/a	10-May-14	30-Sep-14	-	X	X	X	57-0173
SINO-THAI ENGINEERING & CONSTRUCTION PLC.	NOZZLE REPAIRING & SAFETY VALVE LEAKED TEST	GULF JP NS CO., LTD.	NONG SAENG POWER PLANT PROJECT	1 SET	n/a	11-Feb-14	25-Feb-14	-	-	-	X	14-8102
SIWA TESTING INSPECTION AND CONSULTING CO.,LTD.	REPAIR CORROSIVE AREA	PTT PUBLIC CO., LTD.	-	1 LOT	n/a	1-Mar-11	30-Apr-11	-	-	-	X	11-7313
SIWA TESTING INSPECTION AND CONSULTING CO.,LTD.	REPAIR WELDING OF SPHERICAL TANK AT SITE	SIWA TESTING INSPECTION AND CONSULTING CO., LTD.	PTT, SONGKHLA PROJECT	1 SET	n/a	23-Jul-11	24-Jul-11	-	-	-	X	11-7434
SIWA TESTING INSPECTION AND CONSULTING CO.,LTD.	WELDING REPAIR SURFACE OF D90514	PTT PUBLIC CO., LTD.	-	1 SET	n/a	23-Dec-13	31-Jan-14	-	-	-	X	13-8077
SIWA TESTING INSPECTION AND CONSULTING CO.,LTD.	WELDING REPAIR SURFACE OF SPHERICAL TANK D90517	PTT PUBLIC COMPANY LIMITED(KHAO BO YA LPG TERMINAL)	-	1 SET	n/a	8-Feb-12	8-Mar-12	-	-	-	X	12-7580
SIWA TESTING INSPECTION AND CONSULTING CO.,LTD.	WELDING REPAIR SURFACE OF SPHERICAL TANK D90516	PTT PUBLIC CO., LTD.	-	1 SET	n/a	9-Nov-12	23-Jan-13	-	-	-	X	12-7818
SIWA TESTING INSPECTION AND CONSULTING CO.,LTD.	REPAIR TANK WAGON	PTT PUBLIC CO., LTD.	-	1 LOT	0.00	17-Jun-16	30-Jun-16	-	X	-	-	16-8568



### Experience list of Equipment Installation

PURCHASER	DESCRIPTIONS	OWNER	PROJECT NAME	QUALITY	WEIGHT (ton)	COMMENCEMENT	COMPLETED	DESIGN	MATERIAL	SHOP	FIELD	JOB NUMBER
THAI OIL PUBLIC CO., LTD.	RETUBING FOR E-1221B	THAI OIL PUBLIC CO., LTD.	-	1 UNIT	n/a	18-Apr-11	19-Jul-11	X	X	X	-	11-7353
THAI OIL PUBLIC CO., LTD.	RETUBING FOR E-1221C	THAI OIL PUBLIC CO., LTD.	-	1 UNIT	n/a	2-Mar-12	15-Oct-12	X	X	X	-	12-7607
THAI OLEOCHEMICALS CO., LTD.	REPAIRING COLUMN 2800 C001	THAI OLEOCHEMICALS CO., LTD.	TOL PLANT PROJECT	1 UNIT	1.69	13-Aug-14	18-Aug-14	X	X	X	X	14-8210
THAI OLEOCHEMICALS CO., LTD.	REPAIRING COLUMN 2800 C001	THAI OLEOCHEMICALS CO., LTD.	TOL PLANT PROJECT	1 UNIT	1.20	4-Feb-14	28-Feb-14	X	X	X	X	14-8097
THAI SPECIAL GAS CO., LTD.	REPAIR WORK FOR LIQUID ARGON ISO-CONTAINER	THAI SPECIAL GAS CO., LTD.	-	1 SET	n/a	10-Dec-11	25-Dec-11	-	-	X	-	11-7541
THAI OLEOCHEMICALS COMPANY LIMITED	งานจ้างติดตั้งสัณ COLUMN 2800 COO1	THAI OLEOCHEMICALS COMPANY LIMITED	TOL PLANT PROJECT	1 UNIT	n/a	6-Nov-14	12-Dec-14	X	X	X	-	57-0197
THE DOW CHEMICAL COMPANY	VERTICAL DRUM ALTERATION	SIAM SYNTHETIC LATEX CO., LTD.	SE-THAILAND PROJECT	1 UNIT	17.60	18-Apr-11	6-Aug-11	X	X	X	-	11-7355
THE BANGCHAK PETROLEUM PUBLIC COMPANY LIMITED	REPLACE OVERHEAD 2C-101	THE BANGCHAK PETROLEUM PUBLIC CO., LTD.	จ้างเหมา REPLACE OVERHEAD 2C-101	1 SET	n/a	25-Apr-15	15-Jan-16	X	X	-	X	15-8343
THYSSENKRUPP INDUSTRIAL SOLUTIONS (THAILAND) LTD.	MODIFICATION NOZZLE (D-205)	THAI POLYETHYLENE COMPANY LIMITED	DPEX PROJECT	1 UNIT	n/a	25-Dec-14	27-Feb-15	X	X	X	-	14-8263
TOC GLYCOL CO., LTD.	FABRICATION PIPING	TOC GLYCOL CO., LTD.	-	1 SET	n/a	25-May-15	27-Jul-15	X	X	X	-	15-8362
TOC GLYCOL CO., LTD.	PRE FABRICATION OF D-534, D-535, D-537, T-531 AND T-536 / REPAIRING WORK OF TOP CHANNEL OF E-536	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	SLEEVE PLATE OF D-534, D-535, D-537, T-531 AND T-536 AT TOCGC PLANT PROJECT	1 SET	0.00	08-Jul-16	22-Jul-16	X	X	-	-	168578
TOC GLYCOL CO., LTD.	PRE FABRICATION OF D-534, D-535, D-537, T-531 AND T-536 / REPAIRING WORK OF TOP CHANNEL OF E-536	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	SLEEVE PLATE OF D-534, D-535, D-537, T-531 AND T-536 AT TOCGC PLANT PROJECT	1 SET	0.00	08-Jul-16	22-Jul-16	X	X	-	-	16-8578
TOC GLYCOL CO., LTD.	REMOVE & REINSTALL HEAT EXCHANGER NO.E531	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	-	1 SET	n/a	14-May-13	31-Oct-13	-	-	-	X	13-7946
TOC GLYCOL CO., LTD.	REPAIR EQUIPMENT	TOC GLYCOL CO., LTD.	EO/EG PROJECT	1 SET	n/a	22-Apr-11	21-Oct-11	X	X	-	X	11-7362
TOC GLYCOL CO., LTD.	REPAIR NOZZLE V-13 OF EQUIPMENT R-110	TOC GLYCOL CO., LTD.	-	1 UNIT	n/a	15-Jan-14	28-Mar-14	-	-	-	X	14-8088
TOC GLYCOL CO., LTD.	REPAIRING COLUMN T-533	TOC GLYCOL CO., LTD.	-	-	n/a	29-Sep-14	13-Sep-14	X	X	X	-	14-8238
TOC GLYCOL CO., LTD.	REPLACEMENT TOP CHANNEL E-533 AND BOTTOM CHANNEL E-537 A/B	PTT GLOBAL CHEMICAL PUBLIC CO., LTD.	REPLACEMENT TOP CHANNEL E-533 AND BOTTOM CHANNEL E-537 A/B	1 SET	0.00	09-Jul-16	15-Aug-16	-	X	-	-	16-8581
TOC GLYCOL CO., LTD.	S.212 PRESSURE VESSEL REPAIR	TOC GLYCOL CO., LTD.	-	1 SET	n/a	16-Jan-14	14-Feb-14	-	X	-	X	13-8070
TOC GLYCOL CO., LTD.	SUPPLY TOOL AND MANPOWER FOR TAEGEA : REPAIR VESSEL (S105)	TOC GLYCOL CO., LTD.	-	1 SET	n/a	22-May-15	24-Aug-15	X	X	-	X	15-8361
TOC GLYCOL CO., LTD.	UPGRADE FLANGE MATERIAL OF TOP/BOTTOM CHANNEL FOR E-531 (FABRICATION WORK)	TOC GLYCOL CO., LTD.	E-GC1.1-2015/OXX PROJECT	1 SET	n/a	8-May-15	24-Jul-15	X	X	-	X	15-8348
TOP GAS CO., LTD.	RECONDITION & MODIFICATION OF 10D-119, 10D-120	TOP GAS CO., LTD.	-	2 TANKS	n/a	27-Jul-11	20-Aug-11	X	X	X	-	11-7440
TOYO ENGINEERING CORPORATION	WELDING WORKS	PTTEP SIAM LIMITED	PMEC PROJECT	1 SET	n/a	15-Jul-11	25-Aug-11	-	-	-	X	11-7420
TOYO-THAI CORPORATION LTD.	WELDING WORK OF COLLECTOR TRAYS 3C-101	THE BANGCHAK PETROLEUM PUBLIC CO., LTD.	BCP PLANT 3 RECONDITION (EPC) PROJECT	1 SET	n/a	13-Feb-14	30-Mar-14	-	-	-	X	14-8106
TPSC (THAILAND) CO., LTD.	ABPR 2 BOP PIPE FABRICATION	AMATA B. GRIMM POWER 2 LIMITED	ABPR 2 PROJECT	1 SET	n/a	18-Feb-12	15-Nov-12	-	-	X	-	12-7592
TPSC (THAILAND) CO., LTD.	BOP PIPE FABRICATION	AMATA B. GRIMM POWER (RAYONG) 1 LIMITED	ABPR 1 PROJECT	1 LOT	196.45	15-Aug-12	15-Dec-12	-	-	X	-	12-7752
TPSC (THAILAND) CO., LTD.	MCW PIPING MATERIAL AND SHOP FABRICATION	AMATA B. GRIMM POWER LIMITED	ABPR 1 & ABPR 2 PROJECT	2 SETS	103.06	26-Nov-11	3-Sep-12	-	X	X	-	11-7529
TPSC (THAILAND) CO., LTD.	PIPE FABRICATION	AMATA B. GRIMM POWER 3 LIMITED	ABP3 PROJECT	1 SET	4.65	12-Apr-12	30-Apr-12	-	-	X	-	55-0105
TPT PETROCHEMICALS PUBLIC COMPANY LIMITED (INDORAMA)	REPLACEMENT NOZZLE P1 OF D-1503	TPT PETROCHEMICALS PUBLIC COMPANY LIMITED (INDORAMA)	REPLACEMENT NOZZLE P1 OF D-1503	1 SET	0.00	08-Jul-16	31-Oct-16	X	X	-	-	16-8579
TURBO MACHINERY (THAILAND) CO., LTD.	WELDING REPAIR OF SLEEVE SHELL	TURBO MACHINERY (THAILAND) CO., LTD.	-	1 SET	n/a	14-Feb-11	14-Feb-11	-	-	X	-	11-7298
TURBO MACHINERY (THAILAND) CO., LTD.	WELDING REPAIR WORK	TURBO MACHINERY (THAILAND) CO., LTD.	-	1 SET	n/a	20-Apr-11	20-Apr-11	-	-	X	-	11-7359
UNIQUE GAS AND PETROCHEMICALS PUBLIC CO., LTD.	WELDING REPAIR OF SPHERICAL TANK	UNIQUE GAS AND PETROCHEMICALS PUBLIC CO., LTD.	SURATTHANI PROJECT	1 SET	n/a	20-Jul-11	23-Jul-11	-	-	-	X	11-7433
VOGT POWER INTERNATIONAL INC.	ADDITIONAL TAPS TO BYPASS DEAERATOR TANK WITH R-STAMP	VOGT POWER INTERNATIONAL INC.	V17459 WANG NOI CCPP BLOCK 4 PROJECT	1 LOT	n/a	31-May-13	20-Jun-13	X	X	X	X	56-0135
VOGT POWER INTERNATIONAL INC.	ADDITIONAL TAPS TO BYPASS DEAERATOR TANK WITH R-STAMP	VOGT POWER INTERNATIONAL INC.	V17458 CHANA CCPP BLOCK 2 PROJECT	1 LOT	n/a	31-May-13	30-Jun-13	X	X	X	X	56-0134
VOGT POWER INTERNATIONAL INC.	SUPPLY PIPE SPOOL	ELECTRICITY GENERATING AUTHORITY OF THAILAND	V17459 WANG NOI CCPP BLOCK 4 PROJECT	2 SETS	0.63	15-Jan-13	5-Feb-13	-	X	X	-	56-0118
VOGT POWER INTERNATIONAL INC.	SUPPLY PIPE SPOOL	ELECTRICITY GENERATING AUTHORITY OF THAILAND	V17458 CHANA CCPP BLOCK 2 PROJECT	2 SETS	0.63	6-Dec-12	21-Dec-12	-	X	X	-	55-0117
WORLD GAS (THAILAND) CO., LTD.	RECONDITION & MODIFICATION 4.3 TONS LPG STORAGE TANK	WORLD GAS (THAILAND) CO., LTD.	-	1 TANK	n/a	12-Jan-11	28-Feb-11	X	X	X	-	11-7273
WORLD GAS (THAILAND) CO., LTD.	RECONDITION AND REPAIRING 21 TONS S/N 21B-012	WORLD GAS (THAILAND) CO., LTD.	-	1 TANK	n/a	7-Mar-13	30-Sep-13	X	X	X	-	13-7906
บริษัท เปรมาทไทย ทีโตรเคมี จำกัด	RECONDITION AND MODIFICATION OF 15.8 DLT-341	บริษัท เปรมาทไทย ทีโตรเคมี จำกัด	-	1 TANK	n/a	9-Mar-12	30-Apr-12	X	X	X	-	12-7618



### Experience list of Equipment Installation

PURCHASER	DESCRIPTIONS	OWNER	PROJECT NAME	QUALITY	WEIGHT (ton)	COMMENCEMENT	COMPLETED	DESIGN	MATERIAL	SHOP	FIELD	JOB NUMBER
บริษัท นวะ แคร่ เอ็นจิเนียริ่ง จำกัด	งานซ่อมถังขนส่งก๊าซบีโตรเลขหมาย S/N 15.8DLT-370	บริษัท นวะ แคร่ เอ็นจิเนียริ่ง จำกัด	-	1 TANK	n/a	9-May-14	30-Jun-14	X	X	X	-	14-8161
หจก. ประเสริฐการไฟฟ้า	งานแก้ไขติดตั้ง NOZZLE RELIEF VALVE OF 8 TONS	หจก. ประเสริฐการไฟฟ้า	-	1 TANK	n/a	6-Jun-12	20-Jul-12	X	X	X	-	12-7703