



PT. SURYA BESINDO SAKTI
FABRICATOR & ENGINEERING SERVICE

Factory : Jl Raya Cikande Km. 3 - Serang - Jawa Barat - Indonesia Ph.(62-254) 402 313 - Fax. (62-254) 402 315
Office : Lippo Karawaci Office Park Blok Futuris no. 12-15, Tangerang, Banten, Indonesia Ph.(62-21) 558 9966 Fax. (62-21) 558 6777

EXPERIENCE LIST

up dated : October 12 2006

NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
S/T HEAT EXCHANGER						
1	Pertamina UP V	Balikpapan	Tube Bundle Complete E-8-12A	1 Unit	Tube : SA334-1, Shell : SA156-60-S5 Tube Sheet : SA-350-LF2	2006
2	Pupuk Sriwidjaja	Palembang	Heat Exchanger 3A-119-C	1 Unit	Tube : SA334-1, Shell : SA156-60-S5 Tube Sheet : SA-350-LF2	2006
3	Sulfindo Adi Usaha	Cilegon	Direct Chlorination Condenser (H-051)	1 Unit	Tube : A213-316, Shell : A285 Tube Sheet : A266-2	2006
4	Sulfindo Adi Usaha	Cilegon	EDC Recovery Column Reboiler (VH-063)	1 Unit	Tube : A179, Shell : A285 Tube Sheet : SA-515-60/SB-42	2006
5	Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Condensate Stabilized Reboiler (133 - H - 01)	1 Unit	Tube : A213-316L, Shell : A516-70 Tube Sheet : A182-F316L	2006
6	Vico Indonesia	Jakarta	Fuel Gas Exchanger (E - 2760)	1 Unit	Tube : SA-179, Shell : SA-106-Gr B Tube Sheet : SA-105	2006
7	VME Process	Jakarta	Pressure Vessel & STHE + Skid	10 Unit	Tube : A 214, Shell : SA 516 Gr 70 Tube Sheet : A 105	2005



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8	Inti Karya Persada Teknik	Jakarta	Shell & Tube HE Ujung Pangkah	2 Unit	Tube : A 214, Shell : SA 516 Gr 70 Tube Sheet : A 105	2005
9	Amoco Mitsui	Cilegon	Recuperative Heater - BE-1811-2	1 Unit	Tube : A 249-TP 316H, Shell : A 240-316Ti Tube Sheet : A 336-F316H	2005
10	PetroChina	Tuban	S/T Heat Exchanger	1 Unit	Tube : SA 213 TP 316, Shell : SA 516 - 70 Tube Sheet : SA 266 Cl2	2005
11	CNOOC	Jakarta	S/T Heat Exchanger	1 Unit	Tube : SB-350 Alloy 706/Sea Core Shell : A 106 Gr B, Tube Sheet : A-105 + Monel	2005
12	Shell	Australia	Retubing Catalyst Cooler	1 Unit	Inner Tube : A 179, Outer Tube : A 213 T11 Head/Shell : SA 516 70, Tube Sheet : A 105N	2004
13	PUSRI	Palembang	Tube Bundle 4A-111C	1 Unit	Tube : A 213 TP 304L, Tubesheet : A 182-F304	2004
14	PUSRI	Palembang	Saturator Water Heater 2A-152C	1 Unit	Tube : A213 TP 304L, Shell : A 240-304L Tubesheet : A182-F304	2004



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15	PJB UP Paiton	Paiton	Retubing HPH 5	1 Unit	Tube : A 213 TP 304N, Shell : A 516 70	2004
16	WAIJO (TPPI)	Tuban	Tubular Heat Exchanger	4 Unit	Tube : SA 179, Tubesheet : SA 266 Gr 2 Shell : SA 516 Gr 70	2004
17	Pertamina UP V	Balikpapan	Debutanizer Over Trim	1 Unit	Tube : B-395-C70600, Tubesheet : A-105 + C70600 Shell : SA 516 Gr 70	2004
18	Pertamina UP IV	Cilacap	S/T Heat Exchanger	8 Unit	Tube : SA-268-SS410, Tubesheet : SA 182 F6a Cl. 1	2003
19	Pertamina UP VI	Balongan	S/T Heat Exchanger	3 Unit	Tube : DUPLEX 31803 & SA 179 Shell : SA 516 Gr 70N & SA 516 Gr 70	2003
20	Pertamina UP VI	Balongan	Catalyst Cooler	3 Unit	Tube : A 192 - I & A 213 - T 11	
21	IKPT - Chiyoda (PetroChina - Betara)	Jabung	S/T Heat Exchanger for BCD Development Project	6	Tube : SA 179, Shell : SA 516 Gr 70 Tubesheet : SA 266 Gr 2 Clad	2003
22	Rekayasa Industri (Pertamina UP VI)	Balongan	S/T Heat Exchanger for Blue Sky Project	14	Shell : SA 516 Gr 70, Tube : SA 179 + SA 213 T11 Tubesheet : SA 266 Gr 4 & SA 182 F11 Cls 1	2003



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23	IKPT / Chiyoda (PetroChina - Betara)	Jabung	S/T Heat Exchanger For BCD Development Project	10	Tube : SA 179, Shell : SA 516 Gr 70 Tubesheet : SA 266 Gr 2 Clad	2003
24	UOP (Pertamina UP VI)	Balongan	S/T Heat Exchanger for Blue Sky Project	10	Tube : SA 179, Shell : SA 516 Gr 70	2003
25	SEMPEC INDONESIA (PetroChina - Betara)	Jabung	Depropanizer & Debutanizer Reboiler NGL Condensate Exchanger	5 Unit	Tube : SA 179, Tubesheet : SA 266 Gr 2, Shell : A 516 Gr 70	2003
26	Pertamina UP V	Balikpapan	Tube Bundle E - 1 - 09	4 Unit	Tube : B 111 - CDA - 706	2002
27	UNOCAL	Balikpapan	Replacement Bundle For Serang C.	1 Unit	Tube : ASTM 516 Gr 60	2002
28	PETROSEA (Unocal West Seno)	Jakarta	Condensate Depropaniser Reboiler	2 Ea	Tube :A 179, Tubesheet : A 105, Shell : A 516 Gr 70	2002
29	PUSRI	Palembang	High Pressure Steam Super Heater TB. 5A-102C	1 Unit	Tube : SA 213 TP 347 H, Tubesheet : SA 336F11	2002
30	Pertamina UP VI	Balongan	Catalyst Cooler 15-E-113 A&C	2 Units	Tube : A 192 - I & A 213 - T 11	2001



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
31	JORD BALCKE DURR	Singapore	Replacement Bundle for Shell Phillipines	2 Units	Tube : ASTM A-179	2001
32	BADAK LNG	Bontang	Tube Bundle : A3-E-7	1 unit	Tube : B-111 C-706, Tubesheet : A-105/71+CuAl A-2	2001
33	Pertamina UP III	Plaju	Steam Reboiler/ HE-Stabilizer 3	1 unit		2001
34	PUSRI	Palembang	Menthanator Effluent BFW Heater 3A-114C	1 unit	Tube : A-209-Tia, Tubesheet : A-182 F	2001
35	PUSRI	Palembang	Secondary WHB Unit H/E 3A-102C	1 unit	Tube : SA-213 T11, Tubesheet : SA-182 F1	2001
36	PUSRI	Palembang	Menthanator Effluent BFW Heater 4A-114C	1 unit	Tube : A-209-Tia, Tubesheet : A-182 F1	2001
37	Pertamina UP IV	Cilacap	Heat Exchanger	1 Unit	Tube : Titanium SA 265-2, Shell : SA 516-70	2000
			Heat Exchanger	1 Unit	Tube : A-179 "U" Tube, Shell : SA 516-70 Cbd Titan	2000
			Heat Exchanger	6 Units	Tube : SA 516-70 (70 mm Thk), Tubesheet : SA 516-70	
38	CALTEX	Duri	S/T Heat Exchanger	1 Unit	Tube : A-179, Sheel : A-516-70, Tubesheet : A-105	1999
39	Pertamina UP II	Dumai	S/T Heat Exchanger	7 Units	Tube : Albronz SB 111 - C706, Shell : A-516-70	1999
40	Pertamina UP VI	Balongan	S/T Heat Exchanger 15E-115	1 Unit	Tube : A-214, Shell : A-516-70	1999



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41	ARCO	JAKARTA	S/T Heat Exchanger	1 Unit	Tube : SA 334 Gr 3, Tubesheet : SA 350 GrLF 3 Shell : A 516 Gr71	1998
42	Pertamina UP V	Balikpapan	S/T Heat Exchanger E3-13G/H	2 Units	Tube : SA.268-TP.410, Tubesheet : SA.182-F.410	1997
43	Pertamina UP II	Dumai	S/T Heat Exchanger 220 E-8	1 set	Tube : SB.111-C71500, Tubesheet : SB.171-C6300	1997
44	Pertamina UP V	Balikpapan	S/T Heat Exchanger E-3-01 A/B/C/D/E/F/G S/T Heat Exchanger E3-13 E	8 Units	Tube : SA.213 T.22, Tubesheet : SA.266-4 Tube : SA.268 TP 410, Tubesheet : SA.182-F410 Tube : SA.213 TP.304, Tubesheet : SA.182-F304	1997
45	Pertamina UP III	Plaju	Heat Exchanger Assembly Reboiler 7-1	1 lot	Tube : SA 179, Shell : ASTM A.285 GR.C	1997
46	Arun NGL	Aceh	S/T Heat Exchanger E-3206	1 Unit	Tube : A-213 Gr.321, Tubesheet : Sa240 Gr. 321	1997
47	Badak NGL	Bontang	S/T Heat Exchanger CIE-4A/DIE-4A	3 Units	Tube : SA-249-TP 304, Tubesheet : SA 182-F304	1997
48	Asahimas Subentra	Cilegon	HE-2306	1 Unit	Tube : SA-179, Shell : SA-516-70	1996



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
49	Pupuk Kaltim	Bontang	325-C, 2nd Stage Hydrolizer Preheater	1 Unit	Tube : DUPLEX SA789-S31803, Tube Sheet : DUPLEX SA167-30403 Sheel : TP-316L	1996
50	Unggul Indah Corporation	Cilegon	S/T Heat Exchanger-450E-1 S/T Heat Exchanger-450E-4	1 Unit 1 Unit	Tube : SA 179, Tubesheet : A-105	1996
51	Arun NGL	Lhokseumawe	S/T Heat Exchanger-E-4110	1 Unit	Tube : SA 179, Shell : A-516-70	1996
52	Arco Chemical Indonesia	Cilegon	Retubing V-220 2nd Condenser	1 Unit	Tube : DUPLEX SA 789 - S31803 Tube Sheet : DUPLEX SA167-30403	1996
53	PT Asahimas	Cilegon	S/T Heat Exchanger-8202	1 Unit	Tube : SB 111 - C687, Tubesheet : SB 171-C-614	1996
54	Pertamina UP IV	Cilacap	S/T Heat Exchanger23 E 12	1 Unit	Tubesheet : SB 171 - C 61400 (Al Bronze)	1995
55	Pertamina UP IV	Cilacap	S/T Heat Exchanger 22 E 12 A/B	2 Units	Tube : SB 111 - C71500, Tubesheet : SB 171 - C 61400 (Al Bronze)	1995
56	Pertamina UP III	Plaju	S/T Exchanger 14 - E - 012	3 Units	Tube : A 179, Tubesheet : A 105	1995
57	Pertamina UP IV	Cilacap	S/T Heat Exchanger 022 E 102 A/B	2 Units	Shell : A 515 Gr 70 + SS 316 L Cladding	1994
58	Pertamina UP IV	Cilacap	S/T Heat Exchanger 024E104&109	2 Units	Shell : A 515 Gr 70 + SS 316 L Cladding	1994



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
PRESSURE VESSEL						
1	Rainbow Offshore Supplies	Singapore	Bulk Storage Tank 58m3 & 43m3	2 Unit	Shell & Head : SA 516-70 (Thick's = 16 mm & 19.05 mm)	2006
2	Sulfindo Adi Usaha	Cilegon	R-051 DC Reactor	1 Unit	Shell & Head : SA-240-304L (Thick's : 9.5 mm & 12 mm)	2006
3	Technip Indonesia (Conoco Phillips North Belut)	Jakarta	Glycol Separator (26 MBD - 052)	1 Unit	Shell & Head : SA-516-70N (Thick's = 45 mm)	2006
4	Technip Indonesia (Conoco Phillips North Belut)	Jakarta	Condensate Separator (20 MBD - 051)	1 Unit	Shell & Head : SA-516-70N (Thick's = 43 mm)	2006
5	Technip Indonesia (Conoco Phillips North Belut)	Jakarta	Low Temperature Separator (26 MBD - 051)	1 Unit	Shell & Head : SA-516-60N (Thick's = 90 mm)	2006
6	Technip Indonesia (Conoco Phillips North Belut)	Jakarta	Inlet Gas Separator (20 MBD - 051)	1 Unit	Shell & Head : SA-516-70N (Thick's = 56 mm)	2006
7	Total Indonesia E&P (Tatun OWT Project)	Jakarta	Oily Water Degassing Drum (14-V-18110 & 18120)	2 Unit	Sheel & Head : SA-516-70 (Thick's = 22 mm)	2006
8	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Condensate Stabiliser (33 - V - 02)	1 Unit	Sheel & Head : A-516-70N + 316L SS Clad (Thick's = 10 mm)	2005
9	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Amine Contactor (35 - V - 06)	1 Unit	Sheel & Head : A-516-70N + 316L SS Clad (Thick's = 69 mm)	2005



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10	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Amine Regenerator (35 - V - 07)	1 Unit	Sheel & Head : A-516-70N + 316L SS Clad (Thick's = 11 mm)	2005
11	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Liquid Separator (32 - V - 01)	1 Unit	Sheel & Head : A-516-70N + Glass Flake Vinilester Linning (Thick's = 14 mm)	2005
12	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Production Separator (32 - W - 02)	1 Unit	Sheel & Head : A-516-70N + Glass Flake Vinilester Linning (Thick's = 42 mm)	2005
13	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Amine Contractor Inlet KO Drum (35 - V - 01)	1 Unit	Sheel & Head : A-516-70N + Glass Flake Vinilester Linning (Thick's = 31 mm)	2005
14	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Amine Overhead KO Drum (35 - V - 09)	1 Unit	Sheel & Head : A-516-70N + Glass Flake Vinilester Linning (Thick's = 56 mm)	2005
15	PT. Inti Karya Persada Teknik (Ujung Pangkah Dev. Project)	Jakarta	Low Temperature Separator (37 - V - 05)	1 Unit	Sheel & Head : A-516-70N + Glass Flake Vinilester Linning (Thick's = 48 mm)	2005
16	Technip Indonesia (Conoco Phillips Kerisi)	Jakarta	Scrubber	4 Unit	Shell & Head : SA 516 Gr 70 + SS 316 Clad	2005
17	Technip Indonesia (Conoco Phillips Kerisi)	Jakarta	Closed Drain Vessel	1 Unit	Shell & Head : SA 516 Gr 70	2005
18	Total Indonesie	Tambora	Test Separator	3 Unit	Shell & Head : SA 516 Gr 70	2004



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19	D M B (Pertamina DOH NAD)	NAD	HP & MP On Skid Separator	5 Unit	Shell & Head : SA 516 Gr 70 Shell & Head : SA 516 Gr 70	2004 2004
20	Chandra Asri	Cilegon	Natural Fuel Gas Separator	1 Unit	Shell & Head : SA 516 Gr 70	2004
21	Pertamina UP IV	Cilacap	Pressure Vessel	2Unit	Shell : SA 516 Gr 70	2003
22	Elnusa Petro Teknik (Pertamina DOH Jabar)	Tambun	LP/MP Prod. Separator & Scrubber	5 Ea	Shell & Head : SA 516 Gr 70	2003
23	VICO	Muara Badak	VLP Suction Scrubber	1 Unit	Shell & Head : SA 516 Gr 70	2003
24	Pertamina DOH	Prabumulih	Twin Tube Fire Box	1 Lot	Pipe Mat'l : SA-106 B	2003
25	VICO	Muara Badak	Fuel Gas Filter	1 Unit	Shell & Head : SA 516 Gr 70	2003
26	Pertamina UP V	Balikpapan	Shell (C - 31 - 12)	1 Unit	SA 285 Gr C	2002
27	Pertamina DOH	Prabumulih	Separator & Scrubber	3 Unit	SA - 516 - 70	2002
28	Devon Energy	Jakarta	Pig Launcher & Receiver 10"x8"	2 Unit	Pipe Mat'l : SA-106 B	2002



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29	CALTEX	Duri	Pressure Vessel	2 Unit	SA - 516 - 70	2002
30	Mitsubishi Chemicals	Jakarta	Vent Gas Scrubber	1 unit	Mat'l : 316-L	2001
31	Pertamina DOH	Prabumulih	Pig Launcher & Receiver 10"x8"	1 unit	Pipe Mat'l : SA-106 B	2001
32	Pertamina DOH	Prabumulih	Pig Launcher & Receiver 6"x8"	1 unit	Pipe Mat'l : SA-106 B	2001
33	UNOCAL	Balikpapan	Design, Procurement, Services & Fabrication Cold Vent Scrubber	1 unit	Shell mat'l; SA-106 Gr.B, SS-316 L Head : SA-235	2001
34	VICO INDONESIA	Balikpapan	Separator & Gas Filter	9 units	Pipes mat'l : SA-105 Gr.B	2001
35	Unocal Indonesia	Balikpapan	KOD V - 6	1 Unit		2000
36	Unocal Indonesia	Balikpapan	HP Flare Scrubber	1 Unit		2000
37	Unocal Indonesia	Balikpapan	Test & Gross Separator	2 Units		2000
38	Unocal Indonesia	Balikpapan	IP Compressor Suction Scrubber	1 Unit		2000
39	Unocal Indonesia	Balikpapan	Water Degasser V - 3170	1 Unit		2000
40	Unocal Indonesia	Balikpapan	Gas Scrubber	3 Units	Shell : A-516-70 (70 mm Thk),incl. Skid & Instrumentation	1999
			Gas Separator	2 Units	Shell : A-516-70 (60.4 mm Thk),incl. Skid & Instrumentation	1999
41	Gas Optima	Bontang	Gas Scrubber	2 Units	Shell : A-516-70 (66.7 mm Thk),incl. Skid & Instrumentation	1999



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42	CONOCO	Natuna	Gas Scrubber	1 Unit	Shell : SA 516 - 70	1999
43	CALTEX	Duri	Pressure Vessel for CGS-10	8 Lot	Shell & Head : SA 516 Gr 70	1999
44	Santa Fe	Tuban	P. Vessels	3 Units	Shell & Head : SA 516 Gr 70	1999
45	Pertamina DOH	Cirebon	Process Vessel for ITP - Project	28 units	Shell & Head : SA 516 Gr 70	1997
COLOMN & INTERNALS						
1	Sulfindo Adi Usaha	Cilegon	Pall Ring 2" & 1 1/2"	13 M3	Material : SS 304	2006
2	Pertamina UP III	Palembang	Flexigrid (EF-25A)	1 Lot	Material : SS 410 ; Thickness : 2mm x 1700mm	2006
3	Pertamina UP VI	Balongan	Segment Valve Tray	1 Lot	Material : SS 316L ; Thickness : 2mm	2006
4	Pertamina UP II	Dumai	Tray 110 - V - 1	18 Set		2006
5	Pertamina UP III	Plaju	Internal Part Tray 20 s/d 22	3 Set	Material : SS 410	2005
6	Pertamina UP VI	Balongan	Segment Tray : 24-C-201	1 Lot	Material : SS 316L	2005



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7	Pertamina UP IV	Cilacap	Segment Tray P301,302 & 303	3 Set	Material : SS 410	2005
8	Kaltim Pacific Amonia	Bontang	Pall Ring (2")	137 m3	Carbon Steel, 0,8 mm Thickness	2005
9	Pertamina UP VII	Sorong	Replacement Tray Cladding Bottom & Top Colomn	3 Lot	Tray & Valve Tray mat'l : A 240 TP 410	2005
10	Pertamina UP V	Balikpapan	Trays Colomn C 201-01	1 Lot	Material : AISI 410	2004
11	Pertamina UP II	Dumai	Pall Ring	107 m3	Material : SPCC	2004
12	Krakatau Steel	Cilegon	Packing Bed IMTP	136 m3	Packing Material : SS 316	2003
13	Polysindo Eka Perkasa	Karawang	Tray Floor Complete	2 Set		2002
14	Pertamina UP III	Plaju	Recondition RCCU S. Gerong	2 Lot		2002
15	Pertamina UP V	Balikpapan	Internal Part C-8-13 A & B	2 Set		2002
16	Pertamina UP V	Balikpapan	Tray C.S FE 37B / A.283	6 Set		2002
17	Pertamina UP VII	Kasim	Tray, Seal Plate, Washer	1 Lot		2002
18	Pertamina UP IV	Cilacap	Flexitray 85 - C - 204	5 Set		2002
19	Pertamina UP IV	Cilacap	Segment Tray 85 - C - 203	50 PCS		2002
20	Chandra Asri	Cilegon	Flexiring : 1 - 1/2IN CS, 15MM W, 0.3	20 M ³		2002
21	Pupuk Kaltim	Bontang	Buble Cap	200 Ea		2002
22	Pertamina UP VI	Balongan	Flexiring	330 M ³	Flexiring SS 304	2002
23	Pertamina UP IV	Cilacap	Flexitray Assy	1 Lot		2002
24	Pertamina UP IV	Cilacap	Valve Tray	200 Pcs		2002



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
25	Chandra Asri	Cilegon	Flexiring SS 304	340 M ³		2002
26	PT. Pupuk Kaltim	Bontang	Trays : IMTP 50 & 70	11 m ³	Mat'l Tray : SS-304	2001
27	Pertamina UP IV	Cilacap	Valve Trays	500 pcs	Tray mat'l : ASTM SB-463 dan ASTM SS-410	2001
28	Pertamina UP II	Dumai	Segment Tray/ Vessel Tray 140-V-2	1 lot	Tray mat'l : AISI 410 S	2001
29	Pertamina UP II	Dumai	Pall Ring :50mm ID x 50mm H x 0.9 mm	45000 pcs	Ring Mat'l SS 316	2001
30	Pertamina UP II	Dumai	Pall Ring: 50 mm x 50 mm x 0.9 mm	45000 pcs	Pall Ring mat'l: AISI-304	2001
31	Pertamina UP II	Dumai	High Vacuum Unit Column	1 Unit		1999
32	Santa Fe	Tuban	Stripper Column	3 Units		1999
33	Badak NGL	Bontang	Tray	1 set	COLUMN D1C-5T A240-4105	1998
34	ARCO	Jakarta	Structure Packing for Glycol Contactor	1 lot	Packing Structure : SS 316	1998
35	Krakatau Steel	Cilegon	Packing Bed IMTP	100 m3	Packing Material : SS 316	1998
36	Pertamina UP V	Balikpapan	Glitsch Structure Packing for High Vacuum Unit	1 Lot	Packing Material : Incoloy-825	1997



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
37 38	Pertamina UP V Pertamina UP IV	Balikpapan Cilacap	Glitsch Grid Tray Fractionator Tower Sourwater Stripper 017C-101	1 Lot 1 Unit	Grid Material : AISI-410 S	1997 1995
AIR COOLED HEAT EXCHANGER						
1	Jord International	Singapore	SWS Condensate E-802 & E803	2 Unit	Tube : A-213 UNS 31254, Header Box : SA 516-60 Z35	2006
2	Jord International	Singapore	Air Cooler Heat Exchanger (Austcold Project)	1 Unit	Tube : A-516 Gr 70, Header Box : SA 516 Gr 70	2006
3	Primier Oil Natuna Sea	Jakarta	Export Gas Compressor Lube Oil Cooler	2 Unit		2005
4	Jord International	Singapore	Air Cooler Heat Exchanger Conoco Krissi Project	16 unit	Header Box : SA-516 Gr 70, Fin Tube : SA-179 & B209 Alloy 1060 Header Box : SA-240-316L, Fin Tube : SA-213-TP 316L & B209 Alloy 1060 Header Box : SA-240-UNS31803 (Duplex), Fin Tube : SA-789-UNS31803 & B209 Alloy 1060	2005



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
5	Vico Indonesia	Jakarta	Air Cooler Heat Exchanger	1 Unit	Header Box : 516 Gr 70, Fin Tube : SA 179 & Alumunium	2005
6	Pertamina UP IV	Cilacap	Retube Fin - fan 019E-104	1 Lot	Header Box : 516 Gr 70, Fin Tube : SA 213-T11 & Alumunium	2005
7	IKPT (PPGS Pack. III Project)	Jakarta	Air Fin Fan Cooler	3 Unit	Tube : SA 179 (Seamless), Header Box : SA 516 Gr 70	2005
8	IKPT (PPGS Pack. II Project)	Jakarta	Air Fin Fan Cooler	3 Unit	Tube : SA 179 (Seamless), Header Box : SA 516 Gr 70	2005
9	TPPI	Tuban	Air Cooled Heat Exchanger	2 Ea	Tube : SA 214), Header Box : SA 516 Gr 70	2005
10	VICO	Muara Badak	VLP Gas Compressor After Cooler	1 Unit	Tube : SA 179 (Seamless), Header Box : SA 516 Gr 70	2005
11	bp West Java	West Java	Compressor after cooler & lube oil	2 Ea	Tube : SA 179 (Seamless), Header Box : SA 516 Gr 70	2004
12	Pertamina DOH	Pkl Susu	Air Cooled Heat Exchanger	3 Unit	Tube : ASTM A 179, Header Box : ASTM A 516 Gr 70	2004
13	bp West Java	West Java	Fin Fan Cooler	1 Unit	Tube : SA 179 (Seamless), Header Box : SA 516 Gr 70	2004
14	CALTEX	Duri	2nd Stage Gas Cooler	1 Unit	Tube : SA 179, Header Box : SA 516 Gr 70	2003



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
15	Pertamina DOH	Pkl Susu	Air Cooled Heat Exchanger	8 Unit	Tube : ASTM A 179, Header Box : ASTM A 516 Gr 70	2003
16	IKPT / Chiyoda (PetroChina - Betara)	Betara -Jabung	Air Cooled Heat Exchanger for BCD Development Project	51	Header Box : SA 516 Gr 70, Tube : SA 179 Fin Al Gr 1060 & Header Box : SA 240 316L, Tube : SA 213 TP 316L Fin Al Gr 1060	2003
17	Pertamina DOH	Prabumulih	Tube Bundle Gas Cooler IC	1 Unit	Tube : ASTM A 214, Header Box : ASTM A 516 Gr 70	2003
18	Yudistira (Cilamaya LPG Plant)	Cilamaya	Air Cooler	1 Units	Header Box : A 516 Gr 70, Fin Tube : A 179 Fin B 209 Alloy 1050	2003
19	NATCO (Total Fina Elf)	Peciko	Air Cooled Heat Exchanger for Glycol Regeneration	1 Units	Header Box : A 240 316L, Fin Tube : A 249 TP 316L	2003
20	bp West Java	Jakarta	Compressor after cooler & lube oil	2 Ea	Tube : ASTM A 179, Header Box : ASTM A 516 Gr 70	2002
21	PT. PETROSEA	Jakarta	Air Cooled Heat Exchanger	2 Ea	Tube : ASTM A 179, Header Box : ASTM A 516 Gr 70	2002
22	Pertamina DOH	Prabumulih	Tube Bundle Air Cooler IC	1 Unit	Tube : ASTM A 214, Header Box : ASTM A 516 Gr 70	2002
23	Tripatra	Jakarta	Air Cooler Heat Exchanger	3 units	Tube : ASTM A 214, Header Box : ASTM A 516 Gr 70	2001



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
24	UNOCAL	Balikpapan	Fin Fan Air Cooler H/E	1 unit	Tube : CS AS 179	2001
25	PERTAMINA UP-V	Balikpapan	Fin Fan Air Cooler AE-3-20	8 units	Pipe & Header : A-105	2001
26	SANTA FE	Tuban	Air Cooler Gas Cooler	1 unit	Tube :ASTM A-249-304L	2001
27	VICO	Muara Badak	Air Cooled Heat Exchanger	2 Units	Tube : A-213 TP-316L SS	2001
28	Pupuk Kaltim	Bontang	Cooler Water Cooler	2 Units	Tube : STB-33 E, Header : STPT 42-S-C	2001
29	PERTAMINA IV	Cilacap	Replacement Generator Air Cooler	6 units		2001
30	CALTEX	Pekan Baru	Steam Turbine Air Cooled HE 100 MM Btu / Hr	3 Units	Tube : A 249-TP316L, Header : A 516-70 Fin : Embedded Aluminium	2000
31	Total Fina Elf	Handil-D	Air Cooler	1 Unit	Al Fin, 316L Tube - G Fin, Header : SA 240 TP 316L	1999
REPAIR VALVE & MAINTENANCE						
1	Styrindo Mono Ind	Cilegon	PSV Overhaul	118 Item	Pressure Safety Valve, range size 3/4" - 10"	
2	PJB UP Paiton	Paiton	On Site Repair	15 Unit	Control & Gate, Various Size (3"-24"), Class (#150-#600)	2003



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NO.	CLIENT	LOCATION	EQUIPMENT	QTY	MATERIAL SPECIFICATION	YEAR
3	Petrokimia	Gresik	Insitu Repair	16 Unit	Globe, Gate & Check, Various Size (8"-24"), Class (#150-#600)	2003
4	Pertamina DOH	Prabumulih	Workshop Repair	6 Unit	Ball Valve, 12" #600	2003
5	Styrindo Mono Indonesia	Cilegon	On Site Services	100 Unit	Pressure Safety Valve, range size 3/4" - 10"	2003
6	Pertamina UP V	Balikpapan	On Site Repair	600 Unit	Butterflyl & Gate Valve, various size (4"-24"), Class (#150-#600)	2003
7	Chandra Asri	Cilegon	On Site Services	500 Unit	Pressure Safety Valve, range size 4" - 10"	2003
8	Mitsubishi Chemical Indonesia	Cilegon	On Site Services	100 Unit	Pressure Safety Valve, range size 3/4" - 10"	2002
9	YPF Maxus	Jakarta	Workshop Repair	6 Unit	Ball Valve, 16" #150	2002
10	Satomo Indovyl Monomer	Cilegon	Workshop Repair	126 Unit	Plug, Gate, Globe & Butterfly, Various Size 1 1/4"-10, Class#150	2002
11	PUSRI	Palembang	Workshop Repair & On Site Services		PSV, Ball & Plug Valve, Range Size 1 1/4"-10" Class #150-#1501	2000