

LATEST PERFORMANCE RECORDS OF FIRED HEATERS & STRUCTURES

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
1	CBU PROJECT / JAPAN	COSMO ENGINEERING	STEEL STRUCTURE FOR FIRED HEATERS STEEL (415.1 TON) AND REFRACTORY LINING		- CASTABLE	APR 15, '09	JGC
2	CBU PROJECT / JAPAN	COSMO ENGINEERING	FABRICATION OF REFORMER & HDS HEATER STEEL (565.6 TON), COIL (5,985 D.I) AND REFRACTORY LINING	- SA335 P11 - SA312 TP347H - SA210 GRA1	- INSULATING BOARD - CASTABLE	MAR 01, '09	FEI
3	DAESAN MMA D-PROJECT / KOREA	HYUNDAI OIL BANK	FABRICATION FOR RADIANT MODULE, STACK & PLATFORM STEEL (50.0 TON), COIL (452 D.I.) AND REFRACTORY LINING	- A335 P11 - A106 GR.B	- C.F.B. - CASTABLE	JUL 20, '08	TECHNIP
4	SALALAH METHANOL PROJECT / SMC-GS E&C	GS E&C	FABRICATION OF CONVECTION MODULES FOR STEAM REFORMER STEEL (202.6 TON), COIL (11,324 D.I.) AND REFRACTORY LINING	- A358 TP316H - A335 P11 - A106 GR.B	- C.F.B. - CASTABLE	NOV 30, '08	JNK
5	CBE SECONDARY STEAM SUPERHEATER PROJECT / BRAZIL	BADGER LICENSING LLC.	SHOP FABRICATION OF STEAM SUPER HEATER STEEL (126.6 TON), COIL (3,188 D.I) AND REFRACTORY LINING	- A297 HP MOD - INCOLOY 800H - SA234 WP22	- C.F.B. - CASTABLE	SEP 30, '08	PCK
6	MOTIVA CRUDE EXPANSION PROJECT / U.S.A.	MOTIVA ENTERPRISE LLC.	SHOP FABRICATION OF SIX (6) REACTOR CHARGE HEATER STEEL (758.7 TON), COIL (12,400 D.I) AND REFRACTORY LINING	- A335 P9, P11 - A312 TP347 - A106 GR.B	- C.F.B. - CASTABLE	DEC 20, '08	PCK
7	2NFP PROJECT / JAPAN	mitsui CHEMICAL	SHOP FABRICATION OF TREATER REGEN GAS HEATER & REGENERATION GAS HEATER STEEL (33.7 TON), COIL (1,246 D.I.) AND REFRACTORY LINING	- A312 TP310 & TP304 - SA106 GR.B	- C.F.B. - CASTABLE	JUN 31, '08	FEI
8	BM FEED PROJECT / BRUNEI	MHI	SHOP FABRICATION OF CONVECTION MODULE FOR STEAM REFORMER STEEL (105.5 TON), COIL (8,511 D.I.) AND REFRACTORY LINING	- A335 P11 & P22 - A312 TP304H	- CASTABLE	JUN 15, '08	TECHNIP
9	NEW-FCC PROJECT / KOREA	SK CORPORATION	SHOP FABRICATION AND ERECTION OF 3 FIRED HEATERS STEEL (198.6 TON), COIL (5,286 D.I) AND REFRACTORY LINING	- A312 TP347H - A312 TP310 - A335 P22	- CASTABLE	NOV. '07	JNK
10	METOR-EXPANSION PROJECT / VENEZUELA	MHI	SHOP FABRICATION OF CONVECTION MODULE FOR STEAM REFORMER STEEL (168.3 TON), COIL (12,032 D.I) AND REFRACTORY LINING	- A335 P11 - A312 TP304 - A106 GR.B	- CASTABLE - C.F.BLANKET	APR. '08	FEI
11	SK INCHEON OIL NEW FCC PROJECT / KOREA	SK INCHEON OIL	SHOP FABRICATION AND ERECTION OF HOT OIL HEATER STEEL (51.8 TON), COIL (1,012 D.I) AND REFRACTORY LINING	- A106 GR.B	- CASTABLE - C.F.BLANKET	NOV. '07	PCK
12	MHC HEATER MODIFICATION PROJECT / KOREA	S-OIL	FABRICATION AND ERECTION FOR MHC HEATER MODIFICATION STEEL (88.0 TON), COIL (1,296 D.I) AND REFRACTORY LINING	- A335 P11 - A312 TP347H - A312 TP304	- CASTABLE	JUN. '07	PCK
13	NO.2 FCC PROJECT / KOREA	SK CORPORATION	FABRICATION AND ERECTION OF 3 REACTOR FEED HEATERS STEEL (190.6 TON), COIL (1,880 D.I) AND REFRACTORY LINING	- A335 P11 - TP347H - A106 GR.B	- CASTABLE	SEP. '07	ITT
14	PANIPAT NAPHTHA CRACKER PROJECT / INDIA	IOCL, INDIA OIL CORP.	FABRICATION OF CONVECTION MODULES FOR CRACKING FURNACES STEEL (391.7 TON), COIL (37,818 D.I) AND REFRACTORY LINING	- A335 P11, P91 - TP304H - A106 GR.B	- INSULATING CASTABLE - C.F.BLANKET	AUG. '07	JNK
15	KO214 RELIANCE PROJECT / INDIA	RELIANCE INDUSTRIES LTD.	SHOP FABRICATION OF RADIANT COIL BUNDLE AND CONVECTION MODULES FOR FIRED HEATERS STEEL (109.7 TON), COIL (16,755 D.I) AND REFRACTORY LINING	- A335 P9, P11 - A 106 GR.B	- CASTABLE	DEC. '06	PCK
16	NO.2 FCC PROJECT / KOREA	SK CORPORATION	FABRICATION AND ERECTION OF REFORMER STEEL (1,073 TON), COIL (10,392 D.I) AND REFRACTORY LINING	- A335 P22 - INCOLOY 800H - TP304H	- INSULATING BLOCK - C.F MODULE - CASTABLE	DEC. '07	ITT
17	#2 GHDS PROJECT / KOREA	S-OIL	FABRICATION AND ERECTION OF FIRED HEATER STEEL (54 TON), COIL (2,161 D.I) AND REFRACTORY LINING	- A335 P22 - A106 GR.B	- FIRE BRICK - CASTABLE	JAN. '07	PCK
18	RIPE-X (B) PROJECT / JAPAN	JAPAN ENERGY CORPORATION KASHIMA REFINERY	FABRICATION OF ONE XYLEN RERUN COLUMN REBOILER AND 2 REACTOR FEED HEATERS STEEL (890 TON), COIL (15,082) AND REFRACTORY LINING	- STF 410 - STF4 20	- C.F BLANKET - CASTABLE	MAR. '07	CHIYODA
19	M3E PROJECT, SRT-V CRACKING HEATERS / JAPAN	mitsubishi CHEMICAL	CONVECTION COILS MODULE PREFABRICATION STEEL (170 TON), COIL (6,772 D.I) AND REFRACTORY LINING	- STRA24 - STB410	- INSULATING BLOCK - C.F BLANKET - CASTABLE	APR. '07	TEC
20	110 MMSCFD HYDROGEN PLANT /KOREA	GS-CALTEX	FABRICATION OF CONVECTION MODULES, FINNING, PIGTAIL BENDING & WELDING STEEL (57.5 TON), COIL (5,766) AND REFRACTORY LINING	- A335 P11 - A312 TP304H - C5	- C.F BLANKET - CASTABLE	NOV.'06	TECHNIP
21	SK #6 MDU PROJECT /KOREA	SK CORP.	FABRICATION & ERECTION OF FIRED HEATERS STEEL (146.7 TON), COIL (2,272 D.I) AND REFRACTORY LINING	- A312 TP347	- FIRE BRICK - C.F BLANKET - CASTABLE	DEC.'06	PCK
22	#2 LBO REVAMP. PROJECT / KOREA	SK CORP.	CD-H0501 RADIANT TUBE REPLACEMENT STEEL (5 TON), COIL (608 D.I) AND REFRACTORY LINING	- A312 TP347 - A312 TP310	- CASTABLE	APR.'06	PCK
23	#2 LBO REVAMP. PROJECT / KOREA	SK CORP.	FABRICATION & ERECTION OF VD-H403 HEATER STEEL (41 TON), COIL (868 D.I) AND REFRACTORY LINING	- A335 P5	- FIRE BRICK - C.F BLANKET - CASTABLE	APR.'06	JNK
24	SK NAPHTHA SPLITTER REBOILER HEATER / KOREA	SK CORP.	FABRICATION & ERECTION OF NAPHTHA SPLITTER REBOILER HEATER STEEL (76 TON), COIL (1,860 D.I) AND REFRACTORY LINING	- A106 GR.B	- FIRE BRICK - C.F BLANKET - CASTABLE	APR. '06	JNK
25	RABIGH PROJECT OLEFIN PLANTS PROJECT /SAUDI ARABIA	PETRO-RABIGH	FABRICATION OF CONVECTION MODULE & SPIRAL FINNING FOR 9 CRACKING FURNACE STEEL (732 TON), COIL (5,454 D.I FOR CONV / 1,728 D.I FOR C.W) AND REFRACTORY LINING	- B407 80DHT - A312 TP304H - A106 GR.B	- INSULATING BLOCK - CERAMIC FIBER - CASTABLE	AUG.'06 OCT.'06 DEC.'06	JGC
26	IFEC/DEMITSU TR-3 PROJECT /JAPAN	DEMITSU PETROCHEMICAL CO., LTD.	FABRICATION OF MILLISECOND PYROLYSIS FURNACE STEEL (537 TON), COIL (5,685 D.I) AND REFRACTORY LINING	- SUS374HTF - SUS304HTF - FT410 - INCONEL 601 - 25Cr35Ni NB	- FIRE BRICK - CERAMIC FIBER - CASTABLE	APR.'06 MAY.'06	FEI
27	CRACKER #1 H-114 FURNACE PROJECT FOR TITAN /MALAYSIA	TITAN PETRO- CHEMICALS (M) SDN. BHD	FABRICATION OF CONVECTION MODULE & SPIRAL FINNING FOR CRACKER STEEL (28 TON), COIL (2,655 D.I) AND REFRACTORY LINING	- 1-1/4 CR. - A312 TP304H - ALLOY 800H	- CASTABLE - SILICA BOARD - C.F BLANKET	AUG.'06	JGC
28	DOW/PIC OLEFINS II EU SR PROJECT / KUWAIT	THE DOW CHEMICAL COMPANY & PETROCHEMICALS INDUSTRIES CO.	FABRICATION OF 40 CONVECTION MODULES FOR ETHYLENE CRACKING FURNACE STEEL (470 TON), COIL (44,960 D.I) AND REFRACTORY LINING	- INCONEL - A335P91, P11 - A312 TP304H	- CASTABLE - C.F.B.	SEP.'06	DOW

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				COIL	REFRACTORY		
29	JCP PROJECT / SAUDI-ARABIA	JUBAIL CHEVRON PHILLIPS COMPANY	FABRICATION OF CONVECTION MODULES FOR 4 CRACKING FURNACES (20 MODULES) STEEL (337 TON) AND COIL (9,424 D.I.)	- ALLOY 800H - A335 P11 - A312 TP304H		FEB.'06	JGC
			FABRICATION OF STEEL STRUCTURE FOR 4 CRACKING FURNACE STEEL (1,256 TON)			NOV.'05	
30	PSU PROJECT / SINGAPORE	SHELL EASTERN PETROLEUM LIMITED	FABRICATION OF PLATFORMATE SPLITTER UNIT STEEL (155 TON), COIL (2,878 D.I) AND REFRACTORY LINING	- A105 - A106GR.B	- CASTABLE	OCT.'05	CHIYODA
31	OCU PROJECT / KOREA	KOREA PETROCHEMICAL INDUSTRY	FABRICATION & ERECTION OF FIRE HEATERS (M-8A-401, 402 & 101) STEEL (97 TON), COIL (1,338 D.I) AND REFRACTORY LINING	- A335P11 - A312TP310, TP304 - A106GR.B	- CASTABLE - C.F.B.	SEP.'05	JNK
32	#1 PX PROJECT / KOREA	SK CORP.	REVAMPING OF FIRED HEATER STEEL (67.5 TON), COIL (1,206 D.I) AND REFRACTORY LINING	- A312TP310 - A106GR.B	- CASTABLE - C.F.B.	AUG.'05	JNK
33	REFORMATE SPLITTER PROJECT / KOREA	LG-CALTEX	FABRICATION OF REFORMATE SPLITTER REBOILER STEEL (319 TON), COIL (4,576 D.I) AND REFRACTORY LINING	- A312TP304H - A106GRB	- CASTABLE - C.F.B	OCT.'05	PCK
34	WSR SPLITTER PROJECT / KOREA	LG-CALTEX	FABRICATION OF NAPHA STABILIZER REBOILER & RERUN COLUMN REBOILER STEEL (242 TON), COIL (3,280 D.I) AND REFRACTORY LINING	- A312TP304H - A106GRB	- CASTABLE - C.F.B	OCT.'05	PCK
35	K2E FURNACE EXPANSION PROJECT / JAPAN	MITSUBISHI CHEMICAL CORPORATION	FABRICATION OF CONVECTION MODULE FOR PYROLYSIS FURNACE STEEL (100 TON), COIL (6,238 D.I) AND REFRACTORY LINING	- SA335P22 - A234WP11 - SA312TP304H	- CASTABLE - TR-BLOCK	JUL.'05	CHIYODA
			FABRICATION OF FURNACE STEEL STRUCTURE STEEL (420 TON)			AUG.'05	CHIYODA
36	SAMSUNG TOTAL PROJECT / KOREA	SAMSUNG TOTAL	FABRICATION OF FIRED HEATERS STEEL (103 TON), COIL (3,132 D.I) AND REFRACTORY LINING	- A691GR.22 - A335P22 - A106GR.B	- CASTABLE - CERAMIC FIBER	MAR.'05	ITT
37	SK-NRC PROJECT / KOREA	SK CORP.	FABRICATION & ERECTION OF REACTOR FEED HTR, AROMIZING HTR & XYLENE COLUMN REBOILER STEEL (786 TON), COIL (16,681 D.I) AND REFRACTORY LINING	- A312TP304H - A106GR.B - A335P11/P22/P91	- CASTABLE - C.F.B.	SEP.'05	JNK
38	JUPC-II ETHYLENE PLANT PROJECT / JUBAIL, SAUDI ARABIA	JUBAIL UNITED PETROCHEMICAL COMPANY	CONVECTION MODULES STEEL (125 TON), COIL (10,552 D.I) AND REFRACTORY LINING	- A312TP304H - SA182TP304H - SA182F11	- CASTABLE	MAR.'05	CHIYODA
39	OGE/SHIMAZU SEISAKUSHO PROJECT / JAPAN	OSAKA GAS ENGINEERING	FABRICATION OF HP AIR HEATER STEEL (29 TON), COIL (660 D.I) AND REFRACTORY LINING	- A312TP316 - A312TP304	- CASTABLE - C.F.B	NOV.'04	FEI
40	SOUTH PARS GAS FIELD DEVELOPMENT PHASE 6,7 & 8 ONSHORE FACILITIES / IRAN	JV. OF TEC, IDRO, JGC AND DIC	FABRICATION OF 8 REGENERATION GAS HEATERS STEEL (181 TON), COIL (6,882 D.I) AND REFRACTORY LINING	- A106GR.B - A312TP304	- CASTABLE - C.F.B	APR.'05	FEI
41	IFBA-2 PROJECT / IRAN	PIDMCO / TEC	FABRICATION OF CONVECTION MODULE OF REACTOR STEEL (24 TON), COIL (6,009 D.I) AND REFRACTORY LINING	- A106GR.B - A312TP304H - A335P11/P22/P91	- CASTABLE	JAN.'05	FEI
			FABRICATION OF START-UP HEATER STEEL (43 TON), COIL (498 D.I) AND REFRACTORY LINING	- TP304H - A335 P22	- CASTABLE	MAR.'05	FEI
42	AMMONIA & UREA COMPLEX PROJECT / IRAN	KHI / KELLOGG	FABRICATION OF START-UP HEATER STEEL (23 TON), COIL (360 D.I) AND REFRACTORY LINING	- TP304H - A335 P22	- CASTABLE	DEC.'04	FEI
43	SAKHALIN II PROJECT, PHASE-2 LNG PLANT	CHIYOTEC	FABRICATION OF INCINERATOR STEEL (75 TON), COIL (142 D.I) AND REFRACTORY LINING	- A333-6 - A420-WPL6 - A350-LF2	- CASTABLE	MAR.'05	NFK
44	SK-GE PROJECT - GDS / KOREA	SK CORP.	FABRICATION & ERECTION OF SPLITTER REBOILER, HDS REACTOR HEATER & STABILIZER REBOILER STEEL (109 TON), COIL (2,900 D.I) AND REFRACTORY LINING	- A312TP321 - A106GR.B	- CASTABLE - C.F.B.	FEB.'05	PCK
45	HDO CLEAN FUEL PROJECT / KOREA	HYUNDAI OIL BANK	FABRICATION & ERECTION OF TUBULAR REFORMER STEEL (515 TON), COIL (2,664 D.I) & REFRACTORY LINING	- A335P11, P22 - TP304H	- CASTABLE - C.F.B. - C.F.WOOL	JUL.'05	FEI
46	HDO CLEAN FUEL PROJECT / KOREA	HYUNDAI OIL BANK	FABRICATION & ERECTION OF FIRED HEATERS STEEL (77TON), COIL (1,847, D.I) & REFRACTORY LINING	- TP347H - TP310H		MAR.'05	PCK
47	SUNCOR MILLENIUM COKER PROJECT / CANADA	SUNCOR ENERGY / BANTREL	COIL FABRICATION OF DELAYED COKER FURNACE COIL (6,412 D.I) & REFRACTORY LINING	- A335P9, P11 - A387GR9 - SA105	- CASTABLE	AUG.'04	KTI
48	SMAAG-II PROJECT / SINGAPORE	NITTETU CHEMICAL ENGINEERING LTD.	WASTE HEAT BOILER FOR F-4510 INCINERATOR STEEL (84.6 TON), COIL (4,099 D.I) & REFRACTORY LINING	- SA106 GR.B - SA105 - SA312 TP304	- CASTABLE	SEP.'04	MES
49	CTCI/PETRON GOH PROJECT / PHILIPPINES	CTCI/PETRON CORP.	FABRICATION OF CHARGE HEATER & STRIPPER REBOILER STEEL (79 TON), COIL (2,246 D.I) & REFRACTORY LINING	- TP321 - TP347 - C.S	- CASTABLE - C.F.B	JUN.'04	PCK
50	FCC GASOLINE LOW-SULFURLIZING PLANT PROJECT / JAPAN	NIPPON PETROLEUM REFINING CO., LTD	FABRICATION OF HDS REACTOR CHARGE HEATER, STRIPPER REBOILER HEATER AND MHCCG SPLITTER REBOILER HEATER STEEL (139 TON), COIL (3,514 D.I) & REFRACTORY LINING	- STF410 - A351 HK41 - TP310S	- CASTABLE - C.F.B	APR.'04	FEI
51	2TOP 原油軽質化対策改造工事 / JAPAN	IDEMITSU KOSAN / TOKUYAMA REFINERY	FABRICATION OF CHARGE HEATER WITH APH SYSTEM STEEL (198 TON), COIL (4,002 D.I) & REFRACTORY LINING	- STF225 - TP310S	- CASTABLE - C.F.B	APR.'04	FEI
52	PRR PROJECT / MALAYSIA	MITSUBISHI HEAVY INDUSTRIES	FABRICATION OF 3 V/C HEATERS STEEL (87 TON), COIL (2,756 D.I) & REFRACTORY LINING	- A335P11 - A106 GR.B	- CASTABLE - C.F.B	APR.'04	FEI
53	CNO22 PREHEATER REPLACEMENT / MALAYSIA	ASEAN BINTULLU FERTILIZER SDN. BHD.	FINNING & TUBE BENDING FOR PROCESS AIR PREHEATER AND NG FEED PREHEATER COIL (1,952 D.I)	- A335 P1, P12 - A213T22 - A182F11, F22		APR.'04	IHI
54	PETROX-RFP HYDROGEN PROJECT / CHILE	SIDGO KOPPERS S.A. / PETROX	CONVECTION MODULE & COIL FABRICATION FOR REFORMING FURNACE STEEL (11 TON), COIL (1,080 D.I) & REFRACTORY LINING	- INCONEL - A335P11, P22 - A387GR11,GR22	- CASTABLE - C.F.B.	MAR.'04	KTI

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				COIL	REFRACTORY		
55	CSPC NANHAI LOP PROJECT / CHINA	CNOOC & SHELL PETROCHEMICAL	CONDENSATE FIRED HEATER & 2ND STAGE PREHEATER STEEL (363 TON), COIL (3,908 D.I.) & REFRACTORY LINING	- A335P5 - A312TP304	- CASTABLE - C.F.B.	MAY, '04	JNK
56	#1 NCC CONVECTION MODIFICATION STEP 2 / KOREA	YNCC/SEI	CONVECTION MODIFICATION FOR CRACKING HEATERS STEEL (72 TON), COIL (3,160 D.I.) & REFRACTORY LINING	- A335P11 - A106GR.B	- CASTABLE - C.F.B.	APR, '04	JNK
57	KUJANG-1B FERTILIZER PROJECT /INDONESIA	PT.PUPUK KUJANG CIKAMPEK, WEST JAVA	CONVECTION COIL FOR PRIMARY REFORMER COIL (5,655 D.I.) & REFRACTORY LINING	- A335P11,P91 - A312TP304H - A106GR.B	- CASTABLE	APR, '04	FEI
58	KUJANG-1B PROJECT /INDONESIA	PT.PUPUK KUJANG CIKAMPEK, WEST JAVA	START-UP HEATER STEEL (32 TON), COIL (360 D.I.) & REFRACTORY LINING	- A335P22 - A335P11 - TP304H	- CASTABLE	JUN, '04	JNK
59	CSPC NANHAI LOP PROJECT / CHINA	CNOOC & SHELL PETROCHEMICAL	COIL CENTER WELDING (2,628 D.I.)	- SA312TP304H - SA312TP347H - A335P1, A335P11		NOV, '03	SUMITOMO
60	TOHSO/COSMO ENGINEERING /JAPAN	COSMO ENGINEERING	REFORMER STEEL (268 TON) & REFRACTORY LINING		- C.F.B - CASTABLE	DEC, '03	FEI
61	HEAVY ENDS HYDRODESULFURIZATION / KOREA	SAMSUNG CHEM.	REACTOR FEED HEATER & STRIPPER REBOILER STEEL (35 TON), COIL (844 D.I.) & REFRACTORY LINING	- A335 TP347 - A106 GR.B	- C.F.B	OCT, '03	JNK
62	CSPC NANHAI LOP PROJECT / CHINA	CNOOC & SHELL PETROCHEMICAL	CONVECTION MODULE FABRICATION FOR CRACKING FURNACE STEEL (355 TON), COIL (20,012 D.I.) & REFRACTORY LINING	- B407 800HT - A312TP347H - A335P11	- CASTABLE - C.F BOARD - C.F BLANKET	MAR, '04	JGC
63	JGC / PETRON ENERGY EFFICIENCY PROJECT	PETRON BATAAN REFINERY	FABRICATION OF FEED FURNACE STEEL (58 TON), COIL (1,049 D.I.) & REFRACTORY LINING	- A335P9	- C.F.B - CASTABLE	OCT, '03	PCK
64	SK LBO HEATER / KOREA	SK CORP.	FABRICATION & ERECTION OF 4 FIRED HEATERS STEEL (124 TON), COIL (3,243 D.I.) & REFRACTORY LINING	- A335P5 - A335P11 - TP347	- C.F.B - CASTABLE	JAN, '04	PCK
65	TOYOCOM2 AUTOCLAVE INSULATION JACKET / USA	TOYOCOM DEVICE AMERICA	FABRICATION OF AUTOCLAVE INSULATING JACKET STEEL (50 TON) & REFRACTORY LINING		- SILICA BOARD - SPONGE BOARD	SEP, '03	FEI
66	ULSD/STRATEGIC REVAMP PROJ. /USA	CONOCOPHIPS	VACUUM TOWER HEATER & REACTOR CHARGE HEATER STEEL (161 TON), COIL (3,736 D.I.) AND REFRACTORY LINING	- A335P9 - A335P11 - INCONEL	- CASTABLE	AUG, '03	KTI
67	CAPROLACTAM EXPANSION PROJ. II /KOREA	CAPRO CORPORATION	REFORMER PACKAGE STEEL (480 TON), COIL(9,832 D.I.) AND REFRACTORY LINING	- F321H - A335P11/P22 - TP304H	- FIRE BRICK - CERAM BLOCK - LW CASTABLE	DEC, '03	HDEC
68	FLUOR FOR ULTRAMAR PROJECT /CANADA	FLUOR-ULTRAMAR	CCR PLATFORMER HEATER RADIANT STRUCTURE STEEL (240 TON) & REFRACTORY LINING		- C.F BLOCK	JUN, '03	PCK
69	DHDS PROJECT /OMAN	OMAN REFINERY NCC	REACTOR CHARGE HEATER STEEL (54 TON), COIL (1,274 D.I.) & REFRACTORY LINING	- A312TP321H	- C.F BLOCK - CASTABLE	APR, '03	PCK
70	IFBA PROJECT / IRAN	PIDMCO	REFORMER CONVECTION COIL & START-UP HEATER STEEL (28 TON), COIL (11,092 D.I.) & REFRACTORY LINING	- A335P11 - A335P22 - A312TP304H	- CASTABLE	MAR, '03	FEI
71	IPP PROJECT / JAPAN	KOBE STEEL	2 SETS OF SILENCER		- ROCKWOOL	DEC, '02	IHI
72	YRM PROJECT / RUSSIA		COIL BUNDLE FOR TWO (2) VISBREAKER HEATERS COIL (2,210 D.I.) AND REFRACTORY LINING	- A335P9 - A335P11	- CASTABLE	DEC, '02	FEI
73	IJUPC ETHYLENE PLANT PROJECT / JUBAIL, SAUDI ARABIA	JUBAIL UNITED PETROCHEMICAL COMPANY	CONVECTION MODULES STEEL (464 TON), COIL (25,872 D.I.) AND REFRACTORY LINING	- A312TP304H - SA182TP304H - SA182F11	- CASTABLE	APR, '03	CHIYODA
74	SHINKO PLANTEC PROJ / MIZUSHIMA, JAPAN	SHINNIHONN SEKIYU CO.,	DUCT & STACK FOR HOT OIL HEATER STEEL (90 TON) AND REFRACTORY LINING		- CASTABLE	SEP, '02	FEI
75	GFR-2 PROJECT / BANGLADESH	UFFL / BCIC	WASTE HEAT BOILER & SUPER STEAM HEATER STEEL (38 TON), COIL (2,376 D.I.) AND REFRACTORY LINING	- A106GR.B - A312TP310S	- CASTABLE - CERAMIC FIBER	SEP, '02	FEI / TEC
76	NO.4 AROMATIC PLANT PROJECT / IRAN	TEC / B.P.C.	8 FIRED HEATERS STEEL (75 TON), COIL (21,735 D.I.) AND REFRACTORY LINING	- A182 F11 - A335 P22 - A691 GR.1	- CASTABLE	SEP, '02	FEI / TEC
77	MHI / PTA-2 PROJECT	MHI	HOT OIL HEATER, INCINERATOR & DUCT STEEL (174 TON) AND COIL (3,694 D.I.)	- A106GR.B - A312TP304		JUN, '02	FEI
78	REFAP SECOND EXPANSION PROJECT / UR FCC UNIT, BRAZIL	PETROBRAS	WASTE HEAT EXCHANGER STEEL (449 TON), COIL (17,680 D.I.) AND REFRACTORY LINING	- SA234WP11 - SA234WPB	- CASTABLE	SEP, '02	FEI / TEC
79	IDEMITSU TOKUYAMA TS-PROJECT / JAPAN	IDEMITSU PETROCHEMICAL CO., LTD.	MILLISECOND FURNACE STEEL (410 TON), COIL (3,190 D.I.) AND REFRACTORY LINING	- SUS374HTF - SUS304HTF - FT410	- FIRE BRICK - CERAMIC FIBER - CASTABLE	APR, '02	IDEMITSU ENGINEERING
80	HASSI R'MEL BOOSTING PROJECT / ALGERIA	SONTRACH, ALGERIA	FLARE RISER STACK STEEL PIPE (66 TON)			MAY, '02	JGC
81	ALKOS 2000 PK-2000 PROJECT / KOREA	AIR LIQUIDE KOREA SERVICE CO., LTD.	H-2111 REFORMER STEEL (488 TON), COIL (5,076 D.I.) AND REFRACTORY LINING & ERECTION	- A335 P11, P22 - A312 TP304, TP321H - A106 GR.B	- FIRE BRICK - CERAMIC FIBER - CASTABLE	SEP, '02	SECL
82	HOT WATER HEATER / DOMPTA & BELABO, CAMEROON, AFRICA	KELLOG BROWN & ROOT / ESSO CHAD	HOT WATER HEATER STEEL (108 TON), COIL (3,724 D.I.) AND REFRACTORY LINING	- SUS310 - A106 GR.B	- FIRE BRICK - CASTABLE	APR, '02	BORN
83	CDP PROJECT / OSAKA, JAPAN	KOA OIL COMPANY, OSAKA REFINERY	12F-1 TUBULAR REFORMER STEEL (292 TON), COIL (1,234 D.I.) AND REFRACTORY LINING	- SUS324HTF - STPA24	- FIRE BRICK - CERAMIC FIBER - CASTABLE	APR, '02	CHIYODA
84	NO.3 PARA-XYLENE HEATER / KOREA	LG-CALTEX	PRESSURE PARTS & CONVECTION MODULE FOR PX HEATER STEEL (61.6 TON), COIL (13,018 D.I.) REFRACTORY LINING	- A335P22 - A182F22 - A106 GR.B	- CASTABLE	JUN, '02	PCK

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
*85	NRP REVAMPING PROJECT / KOREA	SK CORPORATION	CCR HEATER, STRIPPER REBOILER & AIR COMMON DUCT, ETC. STEEL (495TON), COIL (14,244 D.I) AND REFRACTORY LINING (245 M3)	- A335P9, P11 & P22 - A671P22 - A106 GR.B	- CASTABLE - CERAMIC FIBER - ROCKWOOL	SEP. '01	NIIGATA
86	KALTIM-4 PROJECT / INDONESIA	P.T. PUPUK KALIMANTAN TIMUR	PRIMARY REFORMER STEEL (108TON), COIL (18,365 D.I) AND REFRACTORY LINING (120 M3)	- A182 F11 & F22 - A335 P11 & P22 - INCONEL	- CASTABLE - CERAMIC FIBER	NOV.'01	FEI
87	DHDS & JET FUEL TREATING UNIT PROJECT / TAIWAN	CPC TAIWAN	REACTOR CHARGE HEATER STEEL (78 TON), COIL(2,317 D.I) AND REFRACTORY LINING(35M3)	- A312TP347H - SA335P5	- CASTABLE	JUL.'01	PCK
* 88	REPAIR PROJECT OF UA8 #3 HEATER / INDONESIA	P.T.UGGUL INDAH CAHAYA	HOT OIL HEATER STEEL (10TON), COIL (2,731 D.I) AND REFRACTORY LINING (8 M3)	- A106 GR.B - SUS304	- CASTABLE	JUL. 01	FEI
89	OURHOUD PROJECT / ALGERIA	ORGANIZATION OURHOUD	3(THREE) STRIPPER REBOILER HEATERS STEEL (156TON), COIL(3,732 D.I) AND REFRACTORY LINING(21M3)	- A312TP304H - A106 GR.B	- CASTABLE - CERAMIC FIBER	JUL.'01	JGC
* 90	SECONDARY CYCLONE CONE FOR R2 / KOREA	LG-CALTEX	SECONDARY CYCLONE CONE & DIPLEG CONE FOR R2			APR. '01	LG-CALTEX
* 91	LG CALTEX #2 CDU REVAMPING PROJECT / KOREA	LG-CALTEX	STEEL (50TON), COIL(1,794D.I) AND REFRACTORY LINING(35M3) FOR CRUDE CHARGE HEATER	- A335P5 - XXS A182F5 - XXS A105	- CASTABLE	JUL.'01	PCK
92	PIM-2 AMMONIA-UREA PROJECT / INDONESIA	P.T. PUPUK ISKANDAR MUDA (PIM)	START-UP HEATER STEEL(21TON), COIL(306D.I) AND REFRACTORY LINING(33M3)	- A312 TP304H - A335 GR.P11 & P22	- CASTABLE	MAY. 01	TEC/JNK
93	NGL-4 PROJECT / QATAR	QATAR GENERAL PETROLEUM CORP.	FOUR (4) REGENERATION GAS HEATERS STEEL(292TON), COIL(5,934 D.I) AND REFRACTORY LININT(94M3)	- A106 GR.B - A312TP310	- CASTABLE	MAR.'01	FEI
94	PIM-2 AMMONIA-UREA PROJECT / INDONESIA	P.T. PUPUK ISKANDAR MUDA (PIM)	CONVECTION COIL PREFABRICATION COIL (5,759 D.I) AND REFRACTORY LINING (9.2M3) FOR PRIMARY REFORMER	- TP304H - A335P11 - A335P91	- CASTABLE	MAR. 01	TEC/FEI
95	PCS-II DEBOTTLENECKING PHASE II PROJECT / SINGAPORE	PCS (PETROCHEM CORP. OF SINGAPORE)	CONVECTION MODULE AND STEEL STRUCTURE FOR CRACKING FURNACE (2F-1A0) STEEL(350TON), COIL(2,851 D.I) AND REFRACTORY LINING (82M3)	- SB407 800HT - SA312 TP304H - SA335 P11	- CASTABLE - C.F BOARD / BLANKET	OCT. '00 FEB. '01	JGC
96	DUCT FABRICATION WITH INSULATION FOR HEKINAN 5B / JAPAN	CHUBU ELECTRIC POWER PLANT	STEEL FAB. (414 TON) AND INSULATION (2,377 M2) FOR DUCT		- ROCKWOOL	NOV. '00	IHI
97	ETHYLENE GLYCOL (300,000 T/Y) PROJECT / TAIWAN	NANYA PLASTICS CORP.	CONVECTION & RADIANT MODULES, STACKS FOR 4 V/C TYPE HEATERS, STEEL (90 TON), COIL (3,412 D.I) & REFRACTORY LINING	- C.S - SA403 TP304L	- CASTABLE	AUG. '00 OCT. '00	PCK
98	PTA-1 PRODUCTION PLANT PROJECT / IRAN	SHAHID TONGGOOIAN PETROCHEMICAL COMPANY	CONVECTION MODULE, STEEL (122 TON), COIL (1,947 D.I) AND REFRACTORY LINING FOR HOT OIL HEATER	- C.S - A234-WPB	- CASTABLE	SEP. '00	JNK
99	ETHYLENE PLANT / QATAR	Q-CHEM	RADIANT MODULE, STACK, DUCT, BURNER PIPING, STACK, BREECING AND TRANSITION DUCT MODULES WITH REFRACTORY LINING FOR 5 CRACKING HEATERS STEEL (684TON), COIL (11,620 D.I)	- C.S	- CASTABLE - FIRE BRICK	OCT. '00	TECHNIP
100	SILENCER WITH TEST HOOD FOR F.D.FAN FOR HEKINAN 5B / JAPAN	CHUBU ELECTRIC POWER PLANT	STEEL (22 TON), BAFFLE PLATE AND REFRACTORY		- ROCK WOOL - FIBER GLASS	NOV. '00	IHI
101	KPI PROJ. (1500 MTPD AMMONIA PLANT) /INDONESIA	P.T.KALTIM PARNA INDUSTRI	CONVECTION MODULE, COLD COLLECTOR & DISTRIBUTOR INERM. T/S, END T/S & REFRACTORY LINING FOR H-0201 PRIMARY REFORMER	- A106 GR.B - A312 TP321 - A335 P11, P22	- CASTABLE	SEP. '00	MHI / FEI
102	PIM-2 PROJECT (1200 MTPD AMMONIA PLANT) / INDONESIA	PIM (P. T. PUPUK ISKANDAR MUDA)	CONVECTIO BUNDLES AND E.T.S FOR PRIMARY REFORMER STEEL (13 TON), COIL (5,941 D.I) AND REFRACTORY LINING	- A335 GR.P11&P22 - A312 TP304H - A106 GR.B - SA335 GR.P91	- CASTABLE	JAN. '01	FEI
103	NODCO REFINERY EXPANSION PROJECT /QATAR	NATIONAL OIL DISTRIBUTION COMPANY	CONVECTION MODULE & RADIANT COIL FOR 10 HETERS STEEL(130 TON) COIL(16,391 D.I)	- C.S - A335 P9 - A335 P11 - TP347H	- CASTABLE	MAR. '00	JNK
104	SILENCER WITH TEST HOOD FOR F.D.FAN FOR HEKINAN 4B / JAPAN	CHUBU ELECTRIC POWER PLANT	STEEL (22 TON), BAFFLE PLATE AND REFRACTORY		- ROCK WOOL - FIBER GLASS	NOV. '99	IHI
105	QUEENSLAND CLEAN FUEL PROJECT /AUSTRALIA	BP REFINERY (BULWER ISLAND)	STEEL(337 TON), COIL(7,472 D.I) CONVECTION & RADIANT MODULES FOR 4 VERTICAL HEATERS	- C.S - A335 P9 - A335 P11 - F91 - TP347	- CASTABLE - H.D.F.B	JAN. '00	JNK
106	NO.2 BT EXTRACTION PROJECT /YEONCHON, KOREA	LG-CALTEX	SHOP DRAWING, STEEL(112 TON), COIL(2,896 D.I) REFRACTORY & ERECTION FOR TOLUENE COLUMN REBOILER	- SA106 GR.B - A312 TP304	- CASTABLE - FIRE BRICK	MAY. '00	KTI
107	EAGLE PILOT PLANT START-UP HEATER / JAPAN	BHK	STEEL FAB.(195 TON) & REFRACTORY LINING FOR START-UP HEATER		- CASTABLE - C.F MODULE - C.F BLANKET	SEP. '99	FEI
108	CERRO NEGRO UPGRADER PROJ. / VENEZUELA	OPERADORA CERRO NEGRO, S.A	STEEL FAB. (360 TON), COIL FAB.(3,206 D.I) AND REFRACTORY LINING FOR 2 COKER HEATERS	- A335 P9	- CASTABLE	SEPT. '99	JNK
109	ONE(1) VERTICAL CYLINDRICAL FIRED HEATER / INDIA	LARSEN & TOUBRO LIMITED, ENGINEERS, MUMBAI	STEEL FAB. (14 TON), COIL FAB.(250 D.I) AND REFRACTORY LINING FOR START-UP HEATER	- A312 TP310 - ALLOY 800H	- CASTABLE - C.F BLANKET	JUNE '99	JNK

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
110	PETROKEMYA OLEFINS III PROJECT / SAUDI ARABIA	ARABIAN PETROCHEMICAL COMPANY	STEEL FAB. (34 TON), COIL FAB. (1,498 D.I) AND REFRACTORY LINING FOR REACTOR CHARGE HEATER	- ALLOY 800H - A312 TP310	- CASTABLE - C.F BLANKET	JUNE '99	JNK
111	DUCT FABRICATION WITH INSULATION / JAPAN	CHUBU ELECTRIC POWER PLANT	STEEL FAB. (402 TON) AND INSULATION (2,488 M2) FOR DUCT		- ROCK WOOL - SILICONE	NOV. '99	IHI
112	HYCO PROJECT / YOCHON, KOREA	AIR LIQUIDE	SHOP DRAWING, STEEL FAB. (170 TON), COIL FAB. (4,475 D.I), CONV. MODULING, REFRACTORY LINING AND ERECTION FOR REFORMER HEATER	- A312 TP321H - B407 - A335 P22 - A335 P11 - A105 - A106 GR. B	- CASTABLE - C.F BLANKET - C.F MODULE	SEPT. '99	SECL
113	NIZHNEKAMSK / VISBREAKER HEATER / TATARSTAN-RUSSIA (C.I.S)	SHC NIZHNEKAMSK - NEFTEKHIM	SHOP DRAWING, STEEL STRUCTURE (160TON), COIL FAB. (4,062 D.I) AND CONV. MODULING FOR VISBREAKER HEATER	- SA106 GR. B - SA105 - A335 P5 - A182F 310 - INCONEL	- INSULATING CONCRETE - C.F BLANKET	JUNE. '99	ABB LHT
114	AROMIZING HEATER REVAMPING / ULSAN, KOREA	SSANGYONG OIL REFINING CO., LTD.	STEEL FAB. (112 TON), REFRACTORY LINING , DEMOLITION & ERECTION FOR FLUE GAS DUCT		- CASTABLE	APR. '99	DEC
115	COASTAL ARUBA PROJECT / ARUBA	COASTAL ARUBA REFINING COMPANY N.V	SHOP DRAWING, STEEL STRUCTURE (289 TON), COIL FAB. (3,208 D.I) AND CONV. MODULING FOR TWO COKER HEATERS	- A335 P9 GR. B - A335 P11 - A106 GR.B	- INSUL. CASTABLE - I.F.B GR. 26 - C.F BLANKET - C.F MODULE	MAR. '99	DEC
116	SADAF STYRENE-II PROJECT / SAUDI ARABIA	SAUDI PETRO CHEMICAL COMPANY	STEEL STRUCTURE (280 TON), COIL FAB.(5,908 D.I) & CONV. MODULING FOR STEAM SUPER HEATER	- A213 TP304H - A335 P22 - A106 GR.B	- SILICA 1B - CASTABLE - C.F BLANKET	FEB. '99	DEC
117	HDO CBO PROJECT/DAESAN, KOREA	HYUNDAI OIL REFINERY CO., LTD.	SHOP DRAWING, STEEL STRUCTURE (100 TON), COIL FAB. (1,676 D.I), REFRACTORY LINING & FIELD ERECTION FOR VACUUM CHARGE HEATER	- A335 P5	- C.F BLANKET - CASTABLE	DEC. '98	DEC
118	DHDS AND I/O FACILITIES PROJ. GUJARAT REFINERY /INDIA	I.O.C.L (INDIAN OIL CORPORATION LTD.)	STEEL STRUCTURE (100 TON), COIL FAB. (1,384 D.I) & CONV. MODULING FOR CHARGE HEATER.	- A376 TP347H	- CASTABEL	NOV. '98	DEC
119	AMI PROJECT/2000 MTPD AMMONIA PLANT/INDONESIA	MHI/P.T.KALTIM PASIFIK AMONIAK	STEEL STRUCTURE(588 TON), COIL FAB.(11,398 D.I), REF.LINING(180 M3),CONV.MODULING(7 BLOCKS), INLET DISTRIBUTOR AND COLD COLLECTOR FOR PRIMARY REFORMER	- A106 GR.B - TP321H - P11 - P22	- CASTABLE	NOV.'98	MHI/FEI
120	I.O.C.L MATHURA REFINERY, H2 GENERATION UNIT PROJ./INDIA	I.O.C.L (INDIAN OIL CORPORATION LTD.)	STEEL STRUCTURE (25 TON), COIL FAB. (4,307 D.I) & CONV. MODULING FOR TUBULAR REFORMER HEATER	- TP304H - A335 P22 - A335 P11 - A106 GR.B - A234 TP321H	- CASTABLE	SEPT.'98	DEC
121	NO.2 CCR PLATFORMING UNIT, MIURORAN REFINERY/ HOKKAIDO, JAPAN	NIPPON OIL ENG'G CO., LTD.	STEEL FAB.(553 TON) FOR CHARGE HEATER			AUG.'98	JGC
122	MSF EXPANSION PROJECT/ TOKUYAMA, JAPAN	IDEMITSU PETROLEUM CHEMICAL CO.	STEEL FAB.(529 TON),COIL FAB.(1,200 D.I),REF.LINING (43 M3) AND CONVECTION MODULING (3 BLOCKS) FOR MILLISECOND PYROLYSIS FURNACE	- STF410 - SUS304 HTF	- CASTBLE (T/#5903.LHV=1:2:4) - DIATOMUCEOUS EARTH BLOCK	JULY '98	KHI
123	PCS-1 GAS FURNACE & DEBOTTLENECKING PROJECT /SINGAPORE	PETROCHEMICAL CORPORATION OF SINGAPORE (PRIVATE) LIMITED	STEEL FAB. (180 TON), COIL FAB. (1,396 D.I) & CONV. MODULING FOR 1 USC CRACKING FURNACE (F-190)	- SB407 NO.8810 - SA312 TP304H - SA335 P11 - SA106 GR.B - SB407 NO.8811	- 1300°C CASTABLE - 1100°C. CASTABLE	JUNE '98	JGC
124	TITAN NO.2 CRACKER PROJECT /MALAYSIA	TITAN PETRO-CHEMICALS (M) SDN. BHD	24 CONVECTION MODULES AND EXTERNAL PIPINGS FOR 6 CRACKING FURNACE (ITEM NO. 2H-110/111/112 /113/114/115)	- A106 GR.B - 1-1/4 CR. - A312 TP304H - ALLOY 800H	- CASTABLE - SILICA BOARD - C.F BLANKET	APR. '98	JGC/FEI
125	SILENCER/JAPAN	DENGEN KAIHATSU CO., LTD.	FABRICATION OF 4 SETS OF SILENCER (TYPE:YCA 2/ 25-72/48, YCA 2/25-35, 38/24-88)		- FIBER GLASS - ROCK WOOL - PERFORATED SHEET (SUS304)	FEB.'98	IHI
126	CAPC EXPANSION PROJECT /INDONESIA	P.T CHANDRA ASURI	SHOP DRAWINGS AND STEEL STRUCTURE (700 TON) FOR CRACKING HEATERS			JAN. '98	TEC
127	BAO STEEL-3/WO PROJECT /CHINA	BAO STEEL /SHANGHAI, CHINA	RADIANT & CONVECTION MODULES WITH STACKS FOR 3 FURNACES (ITEM NO. 3F-9101, 9201 AND 9301)	- A312 TP316L - A312 TP310 - A312 TP304L	- C.F. BLANKET - CASTABLE	DEC. '97	SUMITOMO HEAVY/FEI
128	META-XYLENE SEPARATION UNIT HEATER PROJECT /ULSAN, KOREA	KOHAP	SHOP DRAWINGS, STEEL FAB. (137 TON), COIL FAB. (1,954 D.I) REFRACTORY LINING AND FIELD ERECTION FOR 1 V/C TYPE HEATER (RAFFINATE COLUMN REBOILER HEATER)	- A106 GR.B	- CASTABLE (LHV=1:2:4) - C.F BLANKET - M.W BLANKET	DEC.'97	DEC

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
129	TUBAN PETROCHEMICAL COMPLEX PROJECT /AROMATICS PLANT /INDONESIA	P.T.TRANS-PACIFIC PETROCHEMICAL INDOTAMA	41 CONVECTION MODULES FOR 13 HEATERS (CONDENSATE SPLITTER REBOILER, PRECUT COLUMN REBOILER, CHARGE HEATER, DEHEPTANIZER REBOILER, XYLENE RERUN COLUMN REBOILER, XYLENE SPLITTER REBOILER AND HEAVY AROMATIC COLUMN REBOILER, ETC.)	- A106 GR.B - A335 GR.P11 - A182 GR.F11 - A335 GR.P22 - A182 GR.F9	- CASTABLE	OCT.'97	JGC
130	KERO HDS HEATER PROJECT /YEOCHEON, KOREA	LG-CALTEX OIL CO., LTD.	SHOP DRAWINGS, STEEL FAB. (164 TON), COIL FAB. (2,998 D.I) AND REFRACTORY LINING FOR 1 V/C TYPE HEATER (CHARGE HEATER)	- SS TP347	- CASTABLE (LHV=1:2:4, 1100 CASTABLE, ACID PROOF)	OCT.'97	DEC
131	H-30621 HEATER MODIFICATION WORK /ULSAN, KOREA	SSANGYONG OIL REFINING CO., LTD.	MODIFICATION WORKS FOR IN/OUTLET PIPING AND TUBES (FOR CHANGING TO 2 PASS FROM 4 PASS)	- A335 P5 - A106 GR.B	- C.F BLANKET - CASTABLE (LHV=1:2:4)	AUG.'97	DEC
132	MODIFICATION WORKS FOR H2 REFORMER /ULSAN, KOREA	SSBP	MODIFICATION WORKS FOR REFRACTORY LININGS (RADIANT ROOF, SIDE WALL AND CONVECTION, ETC.)		- C.F MODULE (1430°C, 250T) - C.F BLANKET	JULY '97	SSBP
133	HDO AROMATICS COMPLEX /DAESAN, KOREA	HYUNDAI OIL REFINERY CO., LTD.	CONVECTION MODULES FOR CHARGE HEATER	- A335 P11 - A106 GR.B	- CASTABLE	MAY '97	DEC
134	INCINERATOR MODIFICATION /YEOCHUN, KOREA	HANWHA-BASF URETHANE LIMITED	FAB. & ERECTION OF INCINERATOR		- CASTABLE	MAY '97	HANWHA-BASF
135	DUCT STEEL FAB. AND INSULATION WORKS /JAPAN	DENGEN KAIHATSU CO., LTD.	DUCT STEEL FABRICATION (93 TON) AND EXTERNAL INSULATION		- ROCK WOOL - GLASS TAPE	MAY '97	IHI
136	SXC (SSANGYONG XYLENE CENTER) PROJECT /ONSAN, KOREA	SSANGYONG OIL REFINING CO., LTD.	SHOP DRAWING, STEEL STRUCTURE (1,350 TON), COIL FAB. (21,866 D.I), REF. LINING & ERECTION FOR 7 V/C TYPE HEATERS (HOT OIL HEATER, REACTOR CHARGE HEATER & XYLENE COLUMN REBOILER)	- A106 GR.B - A335 P22 - A335 P11	- FQFB - CASTABLE (LHV = 1:2:4, LV = 1:6) - C.F BLANKET - M.W BLANKET	JUNE '97	DEC
137	PRI PLANT /ULSAN, KOREA	TONGYANG POLYESTER CO., LTD.	SHOP DRAWING, STEEL STRUCTURE (138 TON), COIL FAB. & ERECTION FOR HOT OIL HEATER	- STB 410	- LW CASTABLE (PIC-3S, INCT-120, INCT-135, PIC-2)	DEC.'96	TPC
138	NO.2 AROMATICS NON-UOP HEATERS /YEOCHEON, KOREA	HONAM OIL REFINERY CO., LTD.	CONVECTION MODULING AND RADIANT COIL FABRICATION FOR DEPENTANIZER REBOILER, CHARGE HEATER AND STRIPPER REBOILER	- A106 GR.B - A335 P9	- CASTABLE (LHV = 1:2:4)	OCT.'96	DEC
139	FCC PLANT /ULSAN, KOREA	YUKONG LIMITED	REFRACTORY INSTALLATION FOR EQUIPMENT (CATALYTIC REACTOR, TAIL GAS REACTOR, HOT OIL HEATER, INCINERATOR STACK, THERMAL REACTOR, INLET DUCT & DECOMPOSITION FURNACE)		- CASTABLE (INCT-130 GV) - BURNER TILE - FIRE BRICK	AUG.'96	YUKONG
140	NO.2 PARAXYLENE PLANT /ULSAN, KOREA	YUKONG LIMITED	SHOP DRAWING, RADIANT CASING, CONVECTION MODULE AND COIL FABRICATION FOR 1 BOX AND 4 V/C TYPE HEATER, XYLENE SPLITTER REBOILER, REACTOR FEED HEATER, DEHEPTANIZER REBOILER, REACTOR CHARGE HEATER AND STRIPPER REBOILER HEATER	- A106B - A335 P11 - A335 P22	- CASTABLE	AUG.'96	CHIYODA /SKEC
141	SSBP PROJECT /ULSAN, KOREA	SSBP	REVAMPING OF REFRACTORY LINING FOR H-1301 REFORMER	-	- BURNER BLOCK - C.F MODULE - C.F BLANKET	MAR.'96	SSBP
142	SILENCER /JAPAN	NOSHIO HOKKAIDO ELECTRIC	FABRICATION OF 2 UNITS OF SILENCER (TYPE : 2,600 KW FDF, YCA 2/25-88/36)	-	- FIBER GLASS CLOTH - ROCK WOOL - PERFORATED SHEET	MAR.'96	IHI
143	TAEKWANG ANP PROJECT /ULSAN, KOREA	TAEKWANG INDUSTRIAL CO., LTD.	SHOP DRAWING, STEEL STRUCTURE (638 TON), COIL FAB., REF. LINING & ERECTION FOR OLEFLEX UOP HEATER (PROPANE DEHYDROGENATION HEATER)	- A376 TP347H - SA106 GR.B - SA335 P11	- FQFB - CASTABLE (LHV=1:2:4) - C.F BLANKET - M.W BLANKET	AUG.'96	DEC
144	NEP REVAMP PROJECT /ULSAN, KOREA	YUKONG LIMITED	STEEL STRUCTURE (826 TON), COIL FAB., REFRACTORY LINING & ERECTION FOR MILLISECOND FURNACES	- HK4M - INCONEL 601 - A182 F347H - A312 TP347H - A403 WP347H - A240 TP304H - A182 F304H - A312 TP304H - SA312 TP304H - SA335 P22 - SA234 WPB - SA234 WP22 - A335 P11 - A106 GR.B	- IFB (L427°C, 1,538°C) - C.F MODULE - C.F BLANKET - C.F BOARD - D.E. BLOCK - CASTABLE	AUG.'96	NIIGATA
145	NO.5 CDU PROJECT /ULSAN, KOREA	YUKONG LIMITED	SHOP DRAWING, STEEL STRUCTURE (555 TON), COIL FAB. & REFRACTORY LINING FOR CRUDE HEATER & MDU REACTOR HEATER	- A335 P5 - A335 P9 - A335 P11 - A234 WP9 - A271 TP347H	- CASTABLE (KL 2000HS, LHV=1:2:4, LV=1:6)	FEB.'96	SKEC

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
146	H2 PLANT /MIZUSHIMA, JAPAN	JAPAN ENERGY	STEEL STRUCTURE (278 TON), COIL FAB. & REFRACTORY LINING FOR HC2080 HYDROGEN REFORMER	- PT410 - SFVC1 - PA24 - SFVAF1 - SFVAF11A - PA12 - PA23	- CASTABLE (HACT-150, INCT-130 & PIC-2) - TR-19 BLOCK	JAN '96	MES
147	YUKONG FCC PROJECT /ULSAN, KOREA	YUKONG LIMITED	STEEL STRUCTURE (580 TON), COIL FAB., REFRACTORY LINING & ERECTION FOR REFORMER FURNACE	- A312 TP321H - A240 GR.321 - A312 TP304H - A335 P22 - A182 F321H - A335 P11 - A182 F11 - A182 F22 - A106 GR.B - A234 WPB	- FIRE BRICK (SK-34) - C.F MODULE (FOLDED) - CASTABLE (INCT 120S) - CALCIUM SILICATE	DEC. '95	CHIYODA
148	KNR PROJECT /NOVOKUBYSHEVSK, RUSSIA	KUIBYSHEV NEFTORSIN TEZ	STEEL STRUCTURE (194 TON), COIL FAB. & REFRACTORY LINING (TUBE SHEET) FOR DEBUTANIZER REBOILER HEATER, ADSORBER FEED HEATER, PURGE GAS HEATER AND REACTOR FEED HEATER	- A106 GR.B - A335 P11	- CASTABLE	NOV. '95	TEC/FEI
149	YUKONG FCC PROJECT /ULSAN, KOREA	YUKONG LIMITED	SHOP DRAWING, STEEL STRUCTURE (310 TON), COIL FAB., REFRACTORY LINING & ERECTION FOR REACTOR FEED FURNACE (2 UNITS), FRACTIONATOR FEED FURNACE & STEAM SUPERHEATER	- SA335 P11 - A312 TP347 - A271 TP347 - A182 F347 - SA106 B - SA213 T22 - SA105 - SA182 F11	- CASTABLE (KOSALITE NO.2 & N) - INSULATION FIRE BRICK (LBI-26) - FIRE BRICK (NI-1) - C. F NEEDLED	SEPT. '95	SKEC
150	CYCLONES FOR BCC PROJECT /ONSAK, KOREA	SSANGYONG OIL REFINING CO., LTD.	FABRICATION OF 34 SETS OF CYCLONES (A516-70, TP304H, 160 TON)		- EROSION RESISTANT CASTABLE - INSULATING CASTABLE - HEX MESH (405, 410S)	SEPT. '95	JGC
151	INCINERATOR STACK FOR FCC PROJECT /ULSAN, KOREA	YUKONG LIMITED	FABRICATION OF INCINERATOR STACK (65 TON)		- GUNNING CASTABLE - GUNNING INSULATING CASTABLE - INSULATING FIRE BRICK	SEPT. '95	CALLIDUS
152	SILENCER /JAPAN	SHIRIUCHI HOKKAIDO ELECTRIC	FABRICATION OF 2 UNITS OF SILENCER (TYPE : 3310 KW FDF YCA 2/25-40/36)		- ROCK WOOL - PUNCHING PLATE (TP304) - GLASS CLOTH	MAY '95	IHI
153	P-XYLEN EXPANSION PROJECT /YEO CHEON, KOREA	HONAM OIL REFINERY CO., LTD.	CONVECTION MODULE & COIL FAB. OF RADIANT SECTION FOR XYLENE COLUMN REBOILER, CHARGE HEATER & DEHEPTANIZER	- A106 GR.B - A335 P11	- CASTABLE	JUNE '95	DEC
154	JWCC BTX PROJECT /KWANG YANG, KOREA	JUNG WOO COAL CHEMICAL CO., LTD.	STEEL STRUCTURE (31 TON), COIL FAB., REFRACTORY LINING & ERECTION FOR H-5101 FIRED HEATER	- TP316 - TP321H - A106 GR.B	- CASTABLE	JUNE '95	JGC
155	BCC VDU & HVDU PROJECT /ONSAK, KOREA	SSANGYONG OIL REFINERY CO., LTD.	STEEL STRUCTURE (538 TON), COIL FAB., REFRACTORY LINING AND ERECTION FOR VACUUM CHARGE HEATER, CHARGE HEATER, HOT OIL HEATER, NAPHTHA VAPORIZER & DUCT SYSTEM	- A335 P5 - A335 P9 - A335 P11 - A106 GR.B - A312 TP321	- CASTABLE - FQ FB - ACID RESIST CASTABLE - C.F BLANKET - MINERAL WOOL	MAY '95	DEC
156	HYDRO DESULFURIZATION EXTENSION PROJECT /ONSAK, KOREA	SSANGYONG OIL REFINING CO., LTD.	STEEL STRUCTURE (120 TON), COIL FAB., REFRACTORY LINING & ERECTION FOR REACTOR FEED HEATER AND STRIPPER REBOILER	- A335 P5 - A312 TP321 - A312 TP316	- C.F BLANKET - CASTABLE	MAY '95	LG
157	SSBP PROJECT /ULSAN, KOREA	SSBP	ENGINEERING, STEEL STRUCTURE (7 TON), COIL FAB., REFRACTORY LINING & ERECTION FOR ADDITIONAL WASTE HEAT RECOVERY UNIT	- A335 P11 - A335 P22 - A182 F11 - A234 WP22	- CASTABLE (LHV=1:2:4)	MAY '95	SSBP
158	STAR PETROLEUM REFINERY PROJECT /THAILAND	STAR PETROLEUM REFINERY CO., LTD.	STEEL STRUCTURE (240 TON), COIL FAB. & REFRACTORY LINING FOR CRUDE FURNACE, VACUUM FURNACE, CHARGE HEATER, DIESEL HYDRO TREATING UNIT FEED HEATER	- A335 P9 - A335 P11 - A106 GR.B - A312 TP310 - A312 TP347H	- CASTABLE	APR. '95	JGC/FEI
159	HAINAN AMMONIA PROJECT /HAINAN, CHINA	CNTIC/CNCCC /FUDAO CHEMICAL INDUSTRIAL CORP.	STEEL FAB. (345 TON) FOR PRIMARY REFORMER & START-UP-HEATER			MAR. '95	CHIYODA /FEI
160	GHDS PLANT OF MIZUSHIMA REFINERY /MIZUSHIMA, JAPAN	MITSUBISHI OIL CO., LTD.	STEEL STRUCTURE (34 TON), COIL FAB. & REFRACTORY LINING FOR VACUUM FRACTIONATOR FEED HEATER	- A200 T5	- CERAMIC FIBER - ROCK WOOL - CASTABLE	FEB. '95	CHIYODA /FEI
161	MEC PROJECT /CHINA	SINOPEC	CONVECTION & EXTERNAL COIL FAB. WITH REFRACTORY LINING (TUBE SHEET) FOR 9 USC "48U" NAPHTHA CRACKING FURNACE	- A106 GR.B - A335 P11 - A312 TP304H - B409 800HT	- CASTABLE	NOV. '94	JGC/FEI
162	GA PROJECT /U.A.E.	ABU DHABI OIL CO., LTD.	STEEL STRUCTURE (25 TON), COIL FAB. & REFRACTORY LINING FOR HOT OIL HEATER	- A106 GR.B - A312 TP310	- CASTABLE - C.F BLANKET	SEPT. '94	FEI

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
163	FABRICATION OF CABLE DRUM /JAPAN	NIPPON STEEL CORPORATION	STEEL CABLE DRUM (100 SETS, 158 TON)			AUG.'94	TMC
164	CASD/CAUN PROJECT /INDONESIA	PT. CHANDRA ASURI	FABRICATION OF FLARE STACK (36 TON)			AUG.'94	APPLICOT /TEC
165	NPC EXPANSION PROJECT /THAILAND	NATIONAL PETROCHEMICAL CORPORATION	STEEL STRUCTURE (427 TON), COIL FAB. & REFRACTORY LINING FOR 2 CRACKING HEATERS	- SA210 A1 - A106 GR.B - A335 P11 - A335 P22 - A335 P5 - A312 TP304	- INSULATION FIRE BRICK - MINERAL FIBER - CASTABLE - C.F. BLANKET	JUNE '94	DEC
166	SSBP PLANT /ULSAN, KOREA	SSBP	REVAMPING OF REFRACTORY LINING FOR H2 REFORMER		- C.F. MODULE - C.F. BLANKET - INSULATING BOARD - H.T. CEMENT	MAR.'94	SSBP
167	PGH/BE PLANT OF TPC /IRAN	TABRIZ PETROCHEMICAL COMPANY	STEEL STRUCTURE (16 TON), COIL FAB. & REFRACTORY LINING FOR REGENERATION GAS HEATER AND SECOND STAGE FEED HEATER	- TP321	- C.F. BLANKET - CASTABLE	MAR.'94	DEC
168	CASING & GAS DUCT FOR HRSG PLANT /BANGLADESH	BANGLADESH POWER PLANT	STEEL STRUCTURE (218 TON) & INNER INSULATION (984 M2)		- C.F. BLANKET - ROCK WOOL - HIGH TEMP. SILICA CLOTH - EXPAND METAL (SUS304) - LAGGING PLATE (SUH409)	MAR.'94	IHI
169	PIM OPTIMIZATION PROJECT /INDONESIA	P.T. PUPUK ISKANDAR MUDA	COIL FAB. FOR COLD STEAM SUPER HEATER & LOW PRESSURE BOILER	- SA106 GR.B		JAN.'94	TEC/FEI
170	YUKONG HOU PLANT /ULSAN, KOREA	YUKONG LIMITED	REVAMPING OF REFRACTORY LINING (1,857 M2) FOR H2-REFORMER		- PYRO BLOCK M-MODULE - C.F. BLANKET	AUG.'93	YUKONG
171	50,000 MT/Y AN PLANT /CHINA	DAQING PETROLEUM ADMINISTRATIVE BUREAU	REACTOR CYCLONES, DIPLEG VALVES & DIPLET PIPES (57 TON)			AUG.'93	NIIGATA
172	CM-4 PROJECT /JAPAN	TENKA CHIBA	FURNACE CASING, DUCT & STACK (300 TON) FOR HE-301, STEAM SUPER HEATER			JULY '93	BHK/FEI
173	TOC PROJECT /THAILAND	THAI OLEFINS CO., LTD.	RADIANT MODULES & STEEL STRUCTURE (1,200 TON) FOR 9 USC PYROLYSIS FURNACES			APR.'93	DEC
174	KAP PROJECT /ULSAN, KOREA	SAMSUNG-BP	REVAMPING OF STEEL STRUCTURE, COIL & REFRACTORY LINING FOR FEED NAPHTHA PREHEATER	- A213 TO321 - A106 GR.B	- C.F. BLANKET - CASTABLE	AUG.'92	SSBP
175	TITAN ETHYLENE PLANT MC2 PROJECT /MALAYSIA	TITAN PETROCHEMICAL (M) SDN. BMD.	FURNACE STEEL CASING, STRUCTURE (800 TON) & COIL FAB. FOR 4 USC CRACKING FURNACES	- A106 GR.B - A335 P11 - A312 TP304H - B407 800H		JULY '92	JGC/FEI DEC
176	NIQC PROJECT /IRAN	NATIONAL IRANIAN OIL COMPANY	FURNACE STEEL CASING & STRUCTURE (900 TON) FOR CCR REFORMER			JUNE '92	CHIYODA /FEI
177	DONGBU SM PLANT /ULSAN, KOREA	DONGBU CHEMICAL	REVAMPING OF STEEL STRUCTURE, COIL FAB. & REFRACTORY LINING FOR STEAM SUPER HEATER	- HP40 - A106 GR.B - A312 TP304 - INCONEL 800H - A312 TP304	- PYRO BLOC M-MODULE (1,430) - C.F. BLANKET	MAY '92	DONGBU
178	MARUZEN ETHYLENE PLANT /JAPAN	MARUZEN PETROCHEMICAL CO., LTD.	CONV. PARTS & STEEL STRUCTURE (400 TON).			APR.'92	TEC/FEI
179	PLANT NO.2 MODIFICATION PROJECT /THAILAND	BANGCHAK PETROCHEMICAL CO., LTD.	FURNACE STEEL CASING & STRUCTURE (250 TON).			JAN.'92	CHIYODA /FEI
180	KDO 60,000 BPSD HEAVY CRUDE OILO REFINING & UPGRADING PROJECT /SEOSAN, KOREA	KUKDONG OIL CO., LTD.	STEEL STRUCTURE (130 TON) FOR AIR COOLER HEAT EXCHANGER			OCT.'91	LHTS
181	HYDRO DESULFURIZATION PROJECT/ONSAN, KOREA	SSANGYONG OIL REFINERY CO., LTD.	STEEL FAB. (120 TON), COIL FAB., REFRACTORY LINING & FIELD ERECTION FOR REACTOR FEED HEATER AND STRIPPER BOILER	- A335 P5 - A312 TP321 - A312 TP316	- C.F. BLANKET - CASTABLE - FIRE BRICK	MAY '91	LG
182	REFINERY EXPANSION PROJECT/INCHEON, KOREA	KYUNG IN ENERGY	STEEL FAB. (110 TON), COIL FAB. FOR STRIPPER REBOILER, HYDROTREATER REACTOR & STRIPPER REBOILER	- A106 GR.B - A312 TP321		NOV.'90	DEC
183	TNC PROPANE DEHYDRO. PLANT/ULSAN, KOREA	TONGYANG NYLON CO., LTD.	STEEL FAB. (380 TON), COIL FAB., REFRACTORY LINING & FIELD ERECTION FOR TUBULAR REFORMER	- A376 TP347H - A106 GR. B - A335 P11	- C.F. BLANKET - CASTABLE - FIRE BRICK	NOV.'90	CHIYODA
184	YUKONG HOU PLANT /ULSAN, KOREA	YUKONG LIMITED	STEEL FAB. (500 TON), COIL FAB., REFRACTORY LINING & FIELD ERECTION FOR VACUUM CHARGE HEATER AND COMMON DUCT	- A335 GR.P5 - A335 GR.P11	- C.F. BLANKET - CASTABLE - ACID PROOF CASTABLE - FIRE BRICK	SEPT.'90	NIIGATA DEC
185	SSANGYONG BTX PLANT /ONSAN, KOREA	SSANGYONG OIL REFINING CO., LTD.	STEEL FAB. (380 TON), COIL FAB. & REFRACTORY LINING FOR 5 V/C TYPE HEATERS	- A321 TP321 - A106 GR.B	- C.F. BLANKET - CASTABLE	SEPT.'90	LHTS

NO	PROJECT NAME	CLIENT	SCOPE OF WORKS	COIL & REFRACTORY LINING MAT'L		DELIVERY	REMARKS
				COIL	REFRACTORY		
186	YUKONG PX PLANT /ULSAN, KOREA	YUKONG LIMITED	STEEL FAB. (400 TON), COIL FAB., REFRACTORY LINING & FIELD ERECTION FOR XYLENE STRIPPER REBOILER, REACTOR FEED HEATER AND DEHEPTANIZER REBOILER	- A672 GR.8 - A106 GR.8 - A312 TP310 - A335 P11 - A335 P22 - A691 GR.1-1/4CR	- C.F BLANKET - CASTABLE - FIRE BRICK	OCT.'89	CHIYODA
187	HONAM BTX PLANT /YEO CHON, KOREA	HONAM OIL REFINERY CO., LTD.	STEEL FAB. (315 TON), COIL FAB. & REFRACTORY LINING FOR CHARGE HEATER, DEHEPTANIZER REBOILER AND STRIPPER BOILER	- A106 GR.8 - A312 TP310 - A335 P11 - A335 P22	- C.F BLANKET - CASTABLE	SEPT.'89	KTI
188	ETHYLENE PROJECT /ULSAN, KOREA	YUKONG LIMITED	STEEL STRUCTURE (80 TON, COUNTER WEIGHT & SILENCE HOOD) & REFRACTORY LINING (2,850 M3) FOR MILLISECOND FURNACE		- C.F MODULE - C.F BLANKET - CASTABLE - IFB (INSULATION FIRE BRICK) & F.B.	FEB.'89	NIIGATA