



## INSIGHT SCANNER INSTALLATION REFERENCE SHEET ASIA PACIFIC



Company Name and Location	Destination country	Qty Installed	Year of Installation	Equipment	Boiler/Burner Equipment	Fuels
Alcoa Pinjarra Power station	Australia	21		95UVS1E-1CG	Power Boiler	Gas
CALTEX, BRISBANE	Australia	1		95DSS1-1	B&W	Butane, Refinery Gas and #6 oil
CALTEX, BRISBANE	Australia	1		95DSS1-1	Foster Wheeler	Butane, Refinery Gas and #6 oil
CALTEX, BRISBANE	Australia	8		95DSS1-2	ICAL/CE	CO
COMALCO	Australia	12		Uniflame 401113-01	BHK Power Boiler	Coal and gas
Qenos -Olefin Plant	Australia	8		95DSS2E-1CEX	Boiler	Natural Gas + Oil
Qenos -Olefin Plant	Australia	3		95UVS2E-1CEX	Boiler	Natural Gas
CALTEX, BRISBANE	Australia	8		95DSS1-1		Process gas
Caltex, (QLD)	Australia	1		95DSS1-1		
Qenos Pty Ltd	Australia	1	2005	95DSS2E-1CEX		Industry Chemical Processing
Qenos Pty Ltd	Australia	1	2005	95UVS2E-1CEX		Industry Chemical Processing
QNI, Townsville, QLD	Australia	16	2005	95DSS2E-1CEX	Boiler	Gas + HFO
Yallourn Power Plant	Australia	8	2005	95DSS2E-1CG	Boiler	Oil
John Zink for Alcoa Pinjara	Australia	20	2006	95UVS1E-1CG	Co-generation unit	Natural Gas
					Dual oil igniters for each burner in a tangential coal fired boiler used for power generation	
Tru Energy-Yallourn Power Stations	Australia	9	2006	95DSS2E-1CG	generation	Pressure atomised Oil for igniters
Queensland Nickel- QNI, QLD	Australia	1	2006	95DSS2E-1CEX	Corner Fired	Natural Gas
Queensland Nickel- QNI, QLD	Australia	4	2006	95DSS2E-1CEX	Corner Fired	Natural Gas
Queensland Nickel Pty Ltd	Australia	1	2006	95DSS2E-1CEX	Burner for Nickel	Natural Gas
Australian Paper, Maryvale Rd Morwell VIC	Australia	3	2006	95IRS2-1	Natural Gas & Black liquor	Natural & black liquor/Spare parts
Australian Paper, Maryvale Rd Morwell VIC	Australia	1	2006	95UVS2-1	Natural Gas & Black liquor	Natural & black liquor/Spare parts
Australian Paper, Maryvale Rd Morwell VIC	Australia	1	2007	95UVS2-1	Natural Gas	Spare parts
Pilbara Iron, 146 Great Eastern Hwy, WA	Australia	12	2006	95UVS2E-1CEX	Boiler	Ex Natural Gas/Replacement
FCT Combustion P/L	Australia	1	2006	95DSS2E-1CEX	Burner	Gas/New installation
Caltex Australia (Brisbane)	Australia	1	2007	95DSS1-1	Duct Burner	Gas/For Spare parts
Caltex Refineries (QLD)	Australia	1	2007	95DSS1-1	Steam Burner	Natural Gas/Spare parts
Caltex Refineries (QLD)	Australia	1	2007	95DSS1-1	Steam burner	Natural Gas/Spare parts
QNI, Yabulu QLD	Australia	1	2007	95DSS2E-1	Steam Boiler	Natural Gas/Spare parts
						Natural Gas/New installation,plant expansion
Caltex Lytton QLD	Australia	2	2007	95DSS1-1	Sulphur Recovery Unit	Expansion
Alcoa 4 Fenton ST Kewdale WA 6105	Australia	1	2007	95UVS1E-1CG	Duct burner	Natural Gas/Spare parts
Qenos Pty Ltd	Australia	8	2008	95DSS2E-1CEX	Process Heaters	Natural gas/new installation
Caltex Refineries QLD ,	Australia	1	2008	95DSS2-1	Boiler	Fuel oil/Replacement



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CS Energy, MT ISA, QLD	Australia	1	2008	95UVS2E-1CEX	Boiler Burners	Fuel : oil
BHB Billiton, Yabulu, QLD	Australia	1	2008	95DSS2E-1CEX	Boiler Burners	Fuel:oil
Alcoa Kwinana, WA	Australia	1	2008	95UVS2E-1CG	Boiler Burners	Fuel:oil
FCT International, SA	Australia	1	2008	95DSS2E-1	Boiler Burners	Fuel:oil
Alcoa Kwinana, WA	Australia	1	2008	95UVS2E-1CG	Boiler Burners	Fuel:oil
Caltex Refineries Brisbane QLD	Australia	1	2008	95DSS2-1	Boiler, Singer burner	Natural Gas/spare parts
The New Zealand Refining Company, Port Marsden Highway, Ruakaka, NZ	New Zealand	12	2008	95DSS2E-1cex	Babcock Duiker SRU/Front fired boiler	Fuel oil/fuel gas composition may change
BLNG	Brunei	35	2007	95UVS2-1CEX	Duct Burner	Gas Fired
BLNG	Brunei	4	2007	60-2721-4 (replacement scanner)	Duct Burner	Gas fired
SINOPEC/CHINA	China	6	2008	95DSS2E-1CEX	Tsukishima Incinerator, Front Fired Boiler	Gas & oil/new installation
SINOPEC/CHINA	China	6	2008	95DSS2E-1CEX	Tsukishima Incinerator, Front Fired Boiler	Gas & oil/new installation
ADITYA CEMENT	India	1	2003	95DSS2-1	BHEL, Industrial Boiler	
IOCL BaRODA Refinery / Thermax B&W Boiler	India	6	2003	95UVS1-1CG	Thermax B&W Boiler	Naphtha / Natural gas
IOCL Gauhati Refinery	India	6	2003	95DSS2-1CG	Boilers	HFO + Gas HFO + Gas/Low Nox Multi Burners : 6
IOCL Barauni Refinery / Thermax B&W Boiler	India	18		95DSS2-1CG	Boilers	Burners HFO + Gas/Low Nox Multi Burners : 6
IOCL Barauni Refinery / Thermax B&W Boiler	India	18		95DSS2-1CG	Boilers	Burners GAS/Low Nox Multi Burners : 6
Thermax B&W : Technip OMAN Project	India	12	2004	95UVS1-CEX	Boilers	Burners
Thermax B&W : Kalyani Steel	India	4	2004	95UVS2-1CG	BFG Gas based Boiler	BFG Gas/ COG
IOCL - Mathura Refinery via BHEL	India	16	Yet to install	95IRS1-1	Duct Burner/ HRSG	Naphtha / Natural gas
Reliance Kurkumbh job/Thermax	India	4	2005	95UVS2-1CG	Thermax B&W Boiler	Gas Flame
Reliance Kurkumbh job/Thermax	India	4	2005	95IRS2-1CG	Thermax B&W Boiler	Oil Flame
Toyo Thai/Thermax	India	4	2004	95DSS2-1CG	Boiler	HFO + Gas
Indorama Project/Thermax	India	9	2004	95UVS1-1CG	Thermax B&W Boiler	Natural Gas +Bio Gas
Bharat Heavy Electricals Ltd	India	12		95IRS1-1	BHEL, Industrial Boiler	Natural Gas
Graphite India	India	1	2005	95UVS1-1CG	HCL Boiler	HBR/HCL
Indian Oil Corporation Limited-Guwahati Refinery	India	6	2006	95DSS2-1CG	Steam Boiler	Refinery gas/Fuel Oil/New installation



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Thermax/Maritime Industrial Services Co. (Qatar Petroleum, Qatar)	India	4	2006	95UVS1-1CEX	Front Fired Boiler	LPG and Diesel/New installation
Thermax/Balrampur Chini Mills,India	India	2	2006	95DSS1-1CG	Front Fired Boiler	LPG AS Pilot Gas and HSD Oil And Biogas/New requirement
Thermax/Abu Dhabi Gas Ind.Ltd, Gasco Project	India	12	2006	95UVS1-1CEX	Front Fired	Natural Gas/New installation
Jindal Vijaynagar Ltd Bellary,Karnatake/Thermax Ltd	India	4	2006	95IRS1-1CG	Front Fired Boiler	Corex Gas/New installation
Chevron Energy Technology Co/KBR Bouston USA/Escravos Gas To Liquid Project/Thermax	India	18	2006	95DSS2-1CG	Multi Burner	Natural Gas & Tail Gas/New installation
GHCL -Upsom,Romania(Thermax)	India	6	2006	95UVS2E-1CG-030	Multi Burner	Pilot Gas & Natural Gas/New installation
GHCL -Upsom,Romania(Thermax)	India	3	2006	95UVS2E-1CG-030	Multi Burner	Pilot Gas & Natural Gas/New installation
Chambal Fertilizer Ltd/ Steam Superheater (Todd Make burner)/ (Thermax)	Aux Boiler India	4	2006	95DSS2E-1CEX	Front fired boiler/ Floor mounted upshot firing(for heaters) Spare for Sohar Refinery(JGC) Multi burner	natural gas/2 nos for replacement scanner (for boiler) 2 nos replacement scanner for heaters
JGC	India	1	2007	95UVS2-1CEX		Spare
Alok Industries Ltd	India	2	2007	95DSS2-1CG-030	Revamp of boilers/Multi burner	Fuel gas, Heavy oil Corex Gas + LPG + BFG (Blast furnace gas)
Jindal Vijaynagar Steet Plant (India) Jindal Vijaynagar Ltd Bellary,Karnatake/Thermax Ltd	India India India	17 2	2007 2007	95UVS2-1CG-030 95IRS1-1CG	Thermax Multi Burner Boiler Front Fired Boiler	Corex Gas/New installation
IOCL Panipat	India	3	2007	95DSS2-1CG	-	-
TATA Steel at TISCO	India	24	2007	95UVS2-2CG-030	2 X 230 TPH Boilers firing BFG Gas & COG Gas & LDO for main flame & LPG	This is a corner fired CE Design boiler with fixed burner
		2		95DSS2-1CG-020		
		2		95DSS2-1CG-030		Pilot, Refinery gas (propane+Butaine)
		2		95DSS2-1CG-040	Airoil Flare Gas India-Multi-Burner, 120 TPH	Main Furnace oil (Steam Automated)
Indian Oil Corporation Limited	India	2	2007	95DSS2-1CG-050		Replacement of existing scanners
Kirloskar Ferrous Ind.Ltd	India	4	2007	95UVS2-1CG	Front Fired Boiler	Natural Gas/New installation
Hindustan Organic Chemicals Ltd	India	2	2008	95DSS2-1CG	Thermax front fired boiler	Fuel gas/Heavy oil/Light Oil



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Reliance Industries Limited	India	3	2008	95DSS2-1	Hydrogen Reformer unit, Linde Multi burner	Fuel gas/Hydrogen gas/replacement of existing scanners
Reliance Industries Limited	India	3	2008	95DSS2-1	Linde Hydrogen Reformer unit	Multi burner/natural gas/fuel gas/hydrogen gas/repeat order
Jindal Vijaynagar Ltd , Bellary, Karnataka India	India	2	2008	95IRS1-1CG	Thermax Front fired boiler	Corex Gas/New installation
Sabic, Petrokemya	India	12	2008	6 no.95UVS2-1CG-020	Thermax front fired boiler	Fuel gas/fuel oil/new installation
Shetkari Baliraja Sugar Ltd	India	4	2008	no.95IRS2-1CG-020	Thermax front fired boiler	Fuel gas & light oil
TATA Chemicals Limited	India	9	2008	95UVS2-1CG	BHEL HRSG	Multi Burner/fuel gas/heavy oil/light oil
Dankuni Steel Ltd	India	2	2008	95UVS2-1CG	Thermax Boiler	Front fired boiler,fuel gas,light oil, BFG
Ansaldo Caldaie S.P.A	India	16	2008	95DSS2-1CG	Ansaldo Boiler,Opposed fired	Refinery gas, heavy oil, light oil
JSW Steel Limited	India	5	2008	95UVS2-1CG-050	Thermax Boiler	Front fired boiler, corex, BFG
IFFCO, Phulpur	India	1	2008	95UVS2-1CEX	Thermax corner fired	Natural gas
IFFCO,Kallol	India	1	2008	95IRS2-1CG	Thermax front fired boiler/multi burner	Fuel gas/heavy oil/light oil
Vizag Steel Plant	India	70	2008	95UVS2-2CG-070	BHEL Boilerulti burner, corner fired	Heavy Oil,BFG
Lurgi Job	India	6	2008	95UVS2-1CEX	Thermax Front fired boiler	Multi burner, Natural Gas/Process Gas/Hydrogen gas
IOCL - Panipat	India	2	2008	95IRS2-1	BHEL Duct burner/multi burner	Refinery fuel oil
TATA Steel	India	4	2008	95DSS2-1CG	Thermax Boiler, Front fried boiler	Corex Gas/BFG
Cairn Energy (I) Pty Ltd#5	India	30	2008	95DSS2-1CG	Thermax front fired boiler/multi burner	GT Exhaust Gas/Fuel Gas/Heavy Oil, Light Oil/New Installation
TATA Metaliks Limited	India	2	2008	95UVS2-1CEX	Thermax front fired boiler/multi burner	BFG/Corex gas
IOCL,Panipat	India	5	2008	95DSS2-1CG-050	Calidus Sulphur Recovery Unit, Single Burner	LPG, Refinery gas/H2S
Tsukishima (Japan)	India	4	2008	95DSS2-1CEX	Front fired boiler	Oil & Gas/New installation
Hissar Steels,Haryana India	India	4	2008	95UVS2-1CG	Thermax Front fired boiler	Multi burner,corex gas, BFG
Essar Vadinar (Gujarat)	India	6	2009	95DSS2-1CG	Thermax duct burner,GT Exhaust gas	Fuel gas, ,Heavy oil, light oil/New installation



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Essar Vadinar (Gujarat)	India	6	2009	95DSS2-1CG	Thermax duct burner,GT Exhaust gas	Fuel gas, ,Heavy oil, light oil/New installation
Tata Power & Tata Steel (Industrial Energy) Ltd	India	5	2009	95UVS2-2CG-030	Alstom corner fired boiler,multi burner	COG,BFG
ABENER, Algeria	India	18	2009	95UVS2E-1CG-020	R & V,Front Fired boiler	Gas
Sona Alloys Pvt Ltd	India	2	2009	95DSS2-1CG-030	Thermax Front fired	BFG, Heavy oil/New installation
MIS Qatar Petroleum Ltd	Qatar	1	2007	95UVS1-1CEX	Thermax front fired boiler	Fuel gas, light oil/spare order
PUPUK KALTIM FERTILIZER, BONTANG	Indonesia	4		95UVS2-1CG	Boiler	Natural Gas/Replacement
Pupuk Kaltim Fertilizer, Bontang	Indonesia	12		95UVS2-1	Boiler	Natural Gas/Replacement
Pupuk Kaltim Fertilizer, Bontang	Indonesia	8		95UVS2-1	Boiler	Natural Gas/Spare
PLN Indonesia Power - Tanjung Priok Power Plant : 2 X 50MW : MHI Boiler	Indonesia	12	2004	95IRS2-1CG	2 X 50 MW - MHI Boiler - Front Fired	HFO / LFO/Supplied via Forney Burner
PT Badak NGL/COEN	Indonesia	60	2006	95UVS2-1	Steam Boiler	Natural Gas/Replacement
PT Badak NGL/COEN	Indonesia	2	2006	95UVS2-1	Front fired boiler,single burner	Natural Gas/For stock
PERTAMINA	Indonesia	9	2007	95DSS1-1	STORK Boiler, Front fire boiler, Multi & single burner	Fuel gas/heavy oil & light oil/Replacement Flame scanner
Krakatau Daya Listrik	Indonesia	4	2007	95DSS2-1	Front fired boiler, 80MW	Dual fuel(natural gas/light oil)/upgrade
Pupuk Sriwidjaja, PT	Indonesia	11	2007	95DSS2-1	Multi Burner	Natural Gas, light oil
Pertamina Balikpapan	Indonesia	17	2007	95DSS2-1	Multi Burner	Natural Gas,replacement opposed fires, 600mw, Oil & Coal/upgrade scanner
PLN Suralaya	Indonesia	24	2008	95IRS2E-2	Babcock & Wilcok Coal fired boiler	Front Fired boiler/80MW/natural gas & heavy oil/upgrade scanner
PT Krakatau Daya Listrik	Indonesia	6	2008	95DSS2-1	Man Lantjes-Germany power boiler	Coen Boiler, Front fired multi burner, with 6 burner per boiler
PT Badak NGL/COEN	Indonesia	70	2008	95UVS2-1	Stein Boiler,coal fire boiler, 100MW	Natural gas/replacement
PLN Ombilin	Indonesia	1	2008	95IRS2E-2		Coal/Trial installation
PT Dow Chemical,Cilegon	Indonesia	5	2008	95UVS2-1CG	Petrochemical/Natural gas	To replacement flame scanners
FEI/Chiyoda, AL Khaleei Gas Proj/Qatar	Japan	20	2005	95UVS2E-1CEX	Front Fired Boiler/Nippon Furnace/Modification for Teijing	Fuel gas/New instatllation
Teijing Thailand	Japan	4	2006	95UVS1-1	MHI-Front fired boiler. # of burners : six per burner	Fuel gas + heavy oil + refinery gas
Tonen Chemical- Exxon Mobile company	Japan	13	2007	95DSS2-1		
Tonen Chemical-Exxon Mobile company	Japan	9	2006	95UVS2-2+fiber optic	Boiler:MHI/CF design, corner fired tilting	



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Tonen Chemical-Exxon Mobile company	Japan	13	2006	95IRS2-2+fiber optic	Boiler: MHI(CE design, corner fired tilting tangential. Burner: MHI Japan (retrofit)	Fuel Gas & heavy oil
Tonen Chemical-Exxon Mobile company	Japan	12	2007	95UVS2-2+fiber optic	no.of boilers : 2 for steam to process	
Tonen Chemical-Exxon Mobile company	Japan	8	2007	95IRS2-2+fiber optic		
Rabigh Refinery & Petrochemical CO.	Japan	9	2007	95UVS1-1CEX	Tsukishima Kanyo Incinerator, Single burner	Fuel gas/New instatllation
Tsukishima Kankyō for Yansub Project	Japan	2	2008	95DSS1-1		Spares parts
		4		95UVS2-2	Boiler: MHI(CE Design,corner fired tilting tangential.MHI Japan (retrofit) no. of boilers: 2 for steam to process	Fuel Gas & heavy oil/Spares
Tonen Chemical-Exxon Mobile company	Japan	4	2008	95IRS2-2 -fiber optic		
Sumitomo Chemical	Japan	9	2009	95DSS2-1CEX	BHK Front Fired Boiler,Multi burner	Fuel gas and heavy oil/replacement flame scanner
SK CORPORATION, ULSAN	Korea	4		95DSS2-1	Sulphur Recovery	Refinery H2S, acid gas
HONAM PETROCHEMICAL, YEOUSU	Korea	3		95IRS1-1CG	Hyundai/B&W Power Boiler	#6Oil/Replacement scanner
HONAM PETROCHEMICAL, YEOUSU	Korea	3		95UVS1-2CG	Hyundai/B&W Power Boiler	Gas/Replacement scanner
LG CALTEX, YEOUSU	Korea	9		95UVS2-1CEX	Fired heaters and refinery systems	Refinery gas
SITHE ENERGY, DAESAN	Korea	1		95IRS1-1	Hyundai/B&W Power Boiler	#6Oil/Replacement scanner test unit
SK CHEMICAL, YEOUSU	Korea	2		95UVS1-1CG	Heater	Gas
				Uniflame		
SEENTEC, CHANGWAN	Korea	4		95UVS1-1CG	Power Boiler	Gas
						Gas Igniters and Heavy oil Main burners
KUMHO PETROCHEMICAL CHP-2	Korea	6		95UVS1-1	Hyundai/B&W Power Boiler	
PAN Asia Paper Company	Korea	6		95IRS1-CG	Low Nox Burners	Bunker-C Oil
LG Chem	Korea	1		95DSS1E-1CEX	Incinerator	G4 Gas
Hyundai Oil Refinery	Korea	1		95IRS1-1CG	Boiler	Heavy Fuel Oil
Hyundai Oil Refinery	Korea	1		95UVS1-1CG	Boiler	Refinery gas
Hyundai Oil Refinery	Korea	8		95DSS1-1CG	SRU	Refinery gas
Hyundai Oil Bank Refinery	Korea	2		95DSS1-1CG	SRU	Refinery gas
Saehan Industry	Korea	1		95UVS1-1CG	Boiler (Pilot Burner)	LPG Gas
Saehan Industry	Korea	2		95DSS1-1CG	Boiler (Pilot Burner)	Heavy Fuel Oil
LG Chemical	Korea	2		95DSS1-1CG	Incinerator, Burner	Refinery waste gas
JNK Heater	Korea	2		95DSS1-1CG	Boiler	Heavy Fuel Oil
Sookook Burner Co.	Korea	2		95IRS1-1	Boiler	Heavy Fuel Oil
Hyundai Oil Bank Refinery	Korea	1		95UVS1-1CG	Pilot Burner for Power Boiler	
						Now LNG gas but will add Naphitha & ethanol
Samsung Petrochemical	Korea	10		95DSS1-1CG	Burner for Therm oil heater boiler	



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SK Corporation	Korea	2	2005	95DSS1-1CG	Boiler	Heavy Oil
Sookook Burner Co.	Korea	2	2005	95DSS1-1CG	Power Boiler	Heavy Oil
Sookook Corp	Korea	3	2005	95DSS1-1CG	Steam Boiler	Heavy Oil
Sookook	Korea	6	2005	95DSS1-1CG	Power Boiler	Gas & Oil
LG Chemical	Korea	2	2005	95UVS1E-1CEX	Incinerator	Refinery waste gas H2,G4 gas
Sookook	Korea	12	2006	95DSS1-1CEX	Boiler	Gas & Oil
Sookook	Korea	2	2006	95IRS1-1	Power Boiler (Main Burner)	Coal/New installation
Sookook	Korea	2	2006	95UVS1-1	Power Boiler (Igniter burner)	LNG Gas/New installation
Heungkook/LG SM	Korea	4	2006	95DSS1-1CG	Boiler	PFO/new installation
Heungkook/Korea Honam Petrochem	Korea	1	2006	95UVS1-1	Boiler	Light Oil/REPLACEMENT
Sookook/GS Caltex	Korea	1	2006	95UVS2E-1CEX	Heater	HZ Gas/New installation
Sookook/Soo Chem	Korea	1	2006	95DSS1E-1CEX	Boiler	HZ Gas/replacement Scanner
Petrochem Korea/GS Caltex	Korea	4	2006	95DSS1E-1CEX	Heater	LNG+LPG Gas/New installation
Petrochem Korea/GS Caltex	Korea	7	2006	95DSS1-1CG	Heater	LNG Gas/New installation
Petrochem Korea/GS Caltex	Korea	3	2006	95UVS1-1CG	Heater	Butan Gas/New installation
Kunjang Power Plant / HHI Boiler	Korea	10	2007	95IRS1-1	Front Fired Boiler	Light Oil/new installation
Kunjang Power Plant / HHI Boiler	Korea	10	2007	95UVS1-1	Front Fired Boiler	Light Oil/New installation
Heungkook/LG Chemical	Korea	1	2007	95DSS1E-1CEX	Sookook/Incinerator, front fired	C4 Gas with fuel gas
Heungkook/LG Chemical	Korea	1	2007	95DSS1-1CG	Sookook/Incinerator, front fired	C4 Gas with fuel gas
Heungkook/LG Chemical	Korea	2	2007	95DSS2-1CG	Heungkook Boiler, Front fired	Natural gas
Heungkook/LG Chemical	Korea	1	2007	95UVS1-1CG	Heungkook Boiler, Front fired	Natural gas
Heungkook/LG Chemical	Korea	1	2007	95DSS1E-1CEX	Heungkook Boiler, Front fired	Natural gas
GS Caltex/Petrochem	Korea	24	2007	95DSS1E-1CEX	Petrochem Heater/Front Fired	Natural Gas
SOOKOOK/Posco	Korea	2	2007	95DSS1-1CG	Sookook/Boiler, Front fired	Natural gas +COG Gas
SOOKOOK/Posco	Korea	2	2007	95UVS1-1CG	Sookook/Boiler, Front fired	Natural gas +COG Gas
Sookook/SK Corp	Korea	2	2007	95UVS1E-1CEX	Sookook Boiler Front fired	Natural Gas
Sookook/GS Caltex	Korea	8	2007	95DSS1E-1CEX	Sookook/Incinerator, front fired	Hydrogen Gas
Heungkook/HUVIS	Korea	1	2007	95UVS2-1CG	Heungkook Boiler, Front fired	Light Oil/C4 gas with fuel gas
Heungkook/Hyundai Oil Bank	Korea	3	2007	95IRS1-1CG	Front Fired	Natural gas
Sookook/Samsung Total	Korea	5	2007	95DSS1-1CG	Sookook Boiler Front fired	Natural Gas
Heungkook/Korea BASF	Korea	1	2007	95DSS1-1CG	Boiler, front fired	Natural gas
		8		95DSS2E-1CEX		
Heungkook/Korea BASF	Korea	1	2008	95IRS2-1CG	Boiler, front fired	Natural gas
						Front fired/Bunker C Oil and waste gas
Sookook/GS Caltex	Korea	19	2008	95DSS2E-1CEX	Sookook Burner, for boiler application	gas
		7		95DSS2-1CG		
Sookook/Daehan Petrochem	Korea	3	2008	95UVS2E-1CG	Boiler, front fired	Natural Gas
Hengkook/Korea District Heat	Korea	1	2008	95DSS2E-1CEX	Boiler,Front Fired	Natural gas



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Sookook(Kangwon Boiler)	Korea	11	2008	95DSS2E-1CEX	Kangwon Boiler, Front fired	Hydrogen Gas
Sookook (Kangwon Boiler)	Korea	7	2008	95UVS2E-1CEX	Kangwon Boiler, Front fired	Fuel gas
Sookook (Kangwon Boiler)	Korea	2	2008	95DSS2E-1CG	Kangwon Boiler, Front fired	Natural gas/Heavy Oil
Sookook (Kangwon Boiler)	Korea	1	2008	95DSS2-1CG	Kangwon Boiler, Front fired	Fuel gas
Sookook(GS Caltex)	Korea	13	2009	95DSS2E-1CEX	Front fired Boiler	Refinery oil gas
Sookook(GS Caltex)	Korea	1	2009	95DSS2E-1CEX	Front fired boiler	Refinery oil gas
Sookook(Gun-Jang Energy)	Korea	4	2009	95DSS2-1CG	Sookook boiler,Front Fired	Natural Gas
Sookook (S-Oil)	Korea	3	2009	95UVS2E-1CEX	Sookook Incinerator, Front fired	Refinery oil
Petronas MTBE	Malaysia	2	2004	95UVS2-1CG	Incinerator	
ESSO Malaysia ( Exon Mobil Company)	Malaysia	36	2004	95UVS1-1C G	Fired heaters and refinery systems	Natural Gas/Oil heaters to replacement scanners
TITAN Petro Chemicals	Malaysia	4	2005	95UVS1-1C G	Boilers	Replacement
Shell PD	Malaysia	1	2005	95UVS1-1CEX	Sour Gas Incinerator upgrade	
TITAN Petro Chemicals	Malaysia	2	2004	95DSS1-1CG	Utility Boiler upgrade	Gas + HFO/To replacement
Titian Petrochemicals	Malaysia	3	2005	95DSS1-1CG	Utility Boiler upgrade	Gas +HFO/To replacement
Titan Himont	Malaysia	18	2005	95DSS1-1CG	Duct Burner	Refinery gas/To replacement
Petronas Penapisan Auromatics Plant	Malaysia	10	2006	95UVS1-1CG	Aromatic Process Furnace	Refinery gas/Replacement scanner-all in one
Petronas Penapisan Auromatics Plant	Malaysia	10	2006	95UVS1-1	Aromatic Process Furnace	Refinery gas/Replacement scanner-all in one
Petronas Penapisan Auromatics Plant	Malaysia	10	2006	95UVS1-1CG	Aromatic Process Furnace	Refinery gas/Replacement scanner-all in one
Petronas Penapisan Terengganu	Malaysia	10	2006	95UVS1-1CG	Process Heater	Natural Gas/Replacement scanners
Petronas Gas Bhd	Malaysia	20	2006	95DSS1-1CG w 20 ft cable	Gas Processing Plant (GPP-6)	Natural Gas/Replacement scanner at fuel gas heater in plant no. 6
Shell PD	Malaysia	5	2006	95DSS1-1CG	CO boiler pilot burner	Natural Gas/Upgrade from Ionization rod to flame scanner with our new maxfire
PT Krakatau Daya Listrik IPP Power plant	Malaysia	2	2006	95DSS2-1	Boiler/Front fire/80 MW	Upgrade
MLNG Bintulu Malaysia	Malaysia	24	2006	95UVS1-1	MHI Japan manufacturer boiler/8 Front fired burner in 2 level/multi burner (2 boilers)	Natural gas with low concentration of H2s



## INSIGHT SCANNER INSTALLATION REFERENCE SHEET ASIA PACIFIC



Company Name and Location	Destination country	Qty Installed	Year of Installation	Equipment	Boiler/Burner Equipment	Fuels
TNB Tanjung Bin/ 3 x 700 MW, Coal fired power plant	Malaysia	76	2006	95DSS2-1	IHI Front fired, multi-burner Boilers	Coal & oil
MLNG Bintulu Malaysia	Malaysia	4	2006	95DSS1	Incinerator	Natural gas +Acid gas
Petronas Gas Bhd	Malaysia	20	2007	95DSS1-1CG-020	Gas Processing Plant (GPP-6)	Fuel gas scanner, Replacement
Shell MDS unit in Bintulu	Malaysia	2	2007	95UVS1-1CEX	Incinerator/Single burner	Waste or off gas/replacement
Shell MDS,Bintulu	Malaysia	2	2007	95UVS1-1CEX	Incinerator and Boiler	Gas Fired/Replacement flame scanners/additional sprees
Shell MDS in Bintulu	Malaysia	11	2007	95UVS1-1CEX	Incinerator and Boiler	Gas Fired/Replacement flame scanners.
Petronas Gas Processing plant A (GPPA)	Malaysia	5	2007	95UVS2-1	Gas heater plant upgrading/L & G Furnace	Refinery Gas/to replacement
Petronas Gas Processing Plant 6 (GPP-P)	Malaysia	30	2007	95DSS1-1CG-020	LPG Reheater/Natural gas fired burners	Natural gas/fuel gas heater scanner
Petronas Gas B	Malaysia	15	2007	95DSS1-1CG-020	Gas Fired burners	For Incinerator scanner upgrade/Replacement
Petronas MLNG ,Bintulu	Malaysia	35	2007	95UVS1-1	Utility Boiler upgrade	Natural gas fired burners/upgrade
Petronas CUF, Gebeng	Malaysia	2	2008	95UVS2-1CEX	Gas Fired Utility boiler	Spares
Petronas MLNG, Bintulu	Malaysia	15	2008	95UVS1-1	Utility boilers- Natural Gas fired burners	Upgrade
Petronas Gas Processing Plant B	Malaysia	9 6	2008	95UVS2-1 95UVS2-1CG	Auxillary and waste heat boilers	Gas Fired/replacement flame scanners



## INSIGHT SCANNER INSTALLATION REFERENCE SHEET ASIA PACIFIC



Company Name and Location	Destination country	Qty Installed	Year of Installation	Equipment	Boiler/Burner Equipment	Fuels
Petronas Gas Processing plant A (GPPA)	Malaysia	3	2008	95DSS2-1CG	John Zink gas fired pilot burner	Bottom fired burners/Upgrade
Petronas Methanol Labuan	Malaysia	1	2008	95UVS2E-1	Correy,Mexico boiler,Front fired boiler	2200 tons/hr, natural gas
Petronas Carigali	Malaysia	20	2008	95UVS2-1CG	John Zink heaters, multi burner	Fuel gas/Replacement
MTBE Malaysia	Malaysia	1	2009	95DSS2-1CEX	Thermal Incinerator	-
Covanta Philippines	Philippines	5	2008	95DSS2-1	Foster Wheeler Boiler	Opposed Fired, 500mw,coal, replacement Scanners
Covanta Philippines	Philippines	1	2008	95DSS2-1	Foster Wheeler Boiler	Opposed Fired, 500mw,coal, spare parts
Burner Manufacturer :Tsukishima Kankyo Engrg						
Japan /Yansub Project	Saudi Arabia	18	2007	95DSS1-1	Incinerator in a refinery	Refinery gas & natural gas
EXXON CHEMICAL	Singapore	6		95DSS2-1	Fired heaters and refinery systems	Natural Gas/Replacement
CHEVRON ORINITE	Singapore	3		95DSS2-1CG	Sulphur Recovery	Refinery H2S, acid gas Refinery waste gas/Replacement Scanners
Exxon Mobil Chemicals	Singapore	2	2003	95DSS2-1	Incinerator	Scanners
Exxon Mobil Chemicals	Singapore	4	2003	95DSS2-1CG	Gasifier	Gas
Shell Eastern Refinery Singapore	Singapore	2	2004	95DSS1-CEX	Sulphur Recovery	Fuel Gas & Acid Gas(H2S)/replacement scanners
Shell Bukom	Singapore	2	2005	95UVS2-1CG	HDT Furnace	Gas/Replacement
Shell Bukom Eastern Refinery	Singapore	5	2005	95UVS2-1CG	HDS4 Furnace	Gas/New installation
PCS-1 Petrochemical Refinery of Singapore	Singapore	9	2005	95DSS2-1CG	Seraya 1 Burner	Gas/Replacement scanners Fuel Gas & Acid Gas(H2S)/New installation
Linde Syngas	Singapore	2	2005	95DSS2-1CG	Pre-Heat Boilers	Gas/Spare for new installation
Sembcorp Utilities	Singapore	1	2005	95DSS1-1	Boiler	Fuel Gas + Acid Gas/Sulfur recover unit & Thermal oxidizer
Chevron Texaco - Singapore Syngas	Sngapore	6	2003	95DSS2-1	Sulphur Recovery MHI & Stork Boiler. Stork-Thermeq	unit & Thermal oxidizer
Sembcorp Utilities (Jurong Island)	Singapore	20	2004	95DSS2-1CG	Burner	Fuel,gas, oil, Natural gas & Heavy Oil
PCS-1 Petrochemical Refinery of Singapore	Singapore	3	2005	95DSS2-1CG	Incinerator	Gas/New installation
PCS-2 Petrochemical Corp of Singapore	Singapore	5	2005	95UVS2E-1CEX	Furnace	Fuel Gas



## INSIGHT SCANNER INSTALLATION REFERENCE SHEET ASIA PACIFIC



Company Name and Location	Destination country	Qty Installed	Year of Installation	Equipment	Boiler/Burner Equipment	Fuels
CW Singapore Pte Ltd	Singapore	4	2005	95DSS2-1	Various Furnaces Boiler	Fuel Gas, Fuel Oil
CW Singapore Pte Ltd	Singapore	7	2005	95IRS2-2	Various Furnaces Boiler	Fuel Gas, Fuel Oil
Petrochemical Corporation of Singapore	Singapore	2	2006	95DSS2-1CG	Instruments	Light Fuel Oil
Exxon Mobil Chemicals	Singapore	1	2006	95DSS2-1	Pre-Heat Boilers	Light Fuel Oil/new
Petrochemical Corporation of Singapore 2	Singapore	8	2006	95DSS1-1CG	Main Boiler A & B	Fuel Gas/To replacement scanners
Petrochemical Corporation of Singapore 2	Singapore	2	2006	95DSS1-1CG	Main Boiler A & B	Fuel Gas/To replacement scanners
Petrochemical Corporation of Singapore	Singapore	6	2006	95DSS2-1CG	Instruments	Light Fuel Oil
Petrochemical Corporation of Singapore	Singapore	1	2006	95DSS2-1CG	Boiler	Fuel Gas
Petrochemical Corporation of Singapore	Singapore	1	2006	95DSS2-1CG	Boiler	Fuel Gas
SWCC Jubai -Saudi Arabia Power Plant	Saudi Arabia	72	2004	95UVS2-1	6 x 50 MW - Front Fired- MHI Boiler- Pilot & Main Burners	Gas+LFO/Retrofit project Fuel Gas/On trial to replace non self checking scanners
Exxon Mobil Chemicals	Singapore	1	2006	95UVS1-1CG	Auxiliary Burner	
SembUtilities Pte Ltd (CogenerationPlant)	Singapore	2	2006	95UVS1-1CG	Duct Burner	Fuel Gas/to replacement Scanner
Shell Petroleum	Singapore	2	2006	95UVS2-1CG	HESG	Fuel Gas/to replacement
Petrochemical Corporation of Singapore	Singapore	2	2006	95DSS2-1CG	Boiler	Fuel Gas
Petrochemical Corporation of Singapore	Singapore	4	2006	95DSS2-1CG	Boiler	Fuel Gas
Petrochemical Corporation of Singapore	Singapore	8	2006	95DSS2-1CG	Boiler	Fuel Gas
Shell Eastern Petroleum	Singapore	1	2006	95DSS1-1CEX	Boiler	LPG(Ignitor of platform)/Trial
Shell Eastern Petroleum	Singapore	7	2006	95UVS2-1CG-030	Various Boiler & Furnace in Area 2	Fuel Gas
Shell Eastern Petroleum	Singapore	2	2007	95DSS1-1CG-040	Boiler/Single burner	Fuel Gas
Shell Eastern Petroleum	Singapore	4	2007	95DSS2-1CG	Boiler/Single burner	Fuel Gas
Shell Eastern Petroleum	Singapore	1	2007	95UVS2-1CG-050	Furnace/Standard Shell design Multi Burner/Front fired boiler	Fuel gas/New installation
Shell Eastern Petroleum	Singapore	1	2007	95UVS2-1CG	Boiler/Boiler	Replacement unit
Shell Eastern Petroleum	Singapore	1	2007	95UVS2-1CG	Furnace, Front fired boiler	Heavy oil/new installation
SembCorp Utilities	Singapore	18	2007	95DSS2-1CG	Austrian Energy & environment	
SembCorp Utilities	Singapore	12	2007	95UVS1-1CG	Boiler/Front Fired Boiler	Fuel gas/New installation
Petrochemical Corporation of Singapore	Singapore	1	2007	95DSS2E-1CEX	Duct burner/Front fired boiler	Fuel gas/New installation
Petrochemical Corporation of Singapore	Singapore	5	2007	95DSS2-1CG	Mitsui Boiler/Multi Burner	LPG/New installation
Petrochemical Corporation of Singapore	Singapore	5	2007	95DSS2-1CG	Boiler/Multi burner	LPG/New installation
Petrochemical Corporation of Singapore	Singapore	1	2007	95DSS2-1CG	Boiler	Fuel Gas
Yokogawa Engineering for Saudi Arabia	Singapore	1	2007	95UVS2-1	Front Fired boiler	Fuel gas



## INSIGHT SCANNER INSTALLATION REFERENCE SHEET ASIA PACIFIC



Company Name and Location	Destination country	Qty Installed	Year of Installation	Equipment	Boiler/Burner Equipment	Fuels
Purechem Singapore	Singapore	2	2007	60-2721-6(replacement scanner)	Ichida Boiler, Front fired boiler	Fuel gas/New instatllation
Purechem Singapore	Singapore	1	2007	95UVS1E-1	Ichida Boiler, Front fired boiler	Fuel gas/New instatllation
Petrochemical Corporation of Singpaore	Singapore	6	2008	95DSS2-1CG	Boiler,Front fired , Fuel gas	New installation
Shell Eastern Petroleum	Singapore	1	2008	95DSS2E-1CEX	Furnace, Front fired boiler	Fuel gas/Spares parts
Exxon Mobil Asia Pacific Pte Ltd	Singapore	1	2008	95DSS2-1	Duct burner/Front fired boiler	Fuel gas/ spare parts
Shell Eastern Petroleum	Singapore	4	2008	95DSS2-1CG	Front Fired boiler, fuel gas	new installation
Exxon Mobil Asia Pacific Pte Ltd	Singapore	1	2008	95DSS2-1	Duct burner,front fired boiler	Fuel gas/Spares parts
Chevron Oronite	Singapore	2	2008	95DSS2-1CG	Front fired boiler	Fuel gas/New instatllation
Shell Eastern Petroleum	Singapore	3	2009	95UVS2-1CG	Front fired boiler	Fuel gas/New instatllation
Petrochemical Corpoation of Singapore	Singapore	1	2009	95DSS2-1CG	Duct burner,front fired boiler	Fuel gas/spare parts
ALLIANCE REFINERY, MAP TA PHUT	Thailand	2	2003	95DSS2-1CG	Sulphur Recovery	Refinery H2S, acid gas/Replacement
THAI OIL, MAP TA PHUT	Thailand	2	2003	95DSS2-1CEX	Sulphur Recovery	Refinery H2S, acid gas/Replacement
THAI OIL, MAP TA PHUT	Thailand	2	2003	95DSS2-1	Refinery Gas Incinerator	Varieuse Refinery Gas
PTT Gas Plant Phase -2 / IEE (Chiyoda) Thailand	Thailand	4	2004	95DSS1-CEX	Duct Burner/ Waste Heat Boiler	Natural Gas/to replace the existing scanners
Thai Petrochemical Industries (TPI)	Thailand	6		95DSS2-1	Boilers	Fuel Gas + Bunker C Oil/Boilers
Panjapol Paper	Thailand	1		95IRS1-1	Recovery Boiler	Oil /To replace the existing scanners Fuel Gas + Bunker C
Thai Petrochemical Industries (TPI)	Thailand	2	2004	95DSS1-1CEX	Boiler	Oil/Replacement
Hiang Seng Fibre	Thailand	3	2003	95DSS1-1	Recovery Boiler	Black Liquor/Replacement Waste Gas, Natural Gas/to replace the existing scanners
Esso Thailand	Thailand	8	2004	95DSS2E-1CEX	Boiler	Waste Gas/replacement
Thai Aero Sil (Degussa)	Thailand	1	2005	95DSS2-1CEX	Incinerator	Waste Gas, Natural Gas
ARC Thailand	Thailand	2	2005	95DSS2E-1CEX	Boiler	Natural Gas
COCO2	Thailand	1	2006	95DSS2-1CG	Multi Boiler	Natural Gas/Sare parts
Esso (Thailand) Co.Ltd in Rayong	Thailand	1	2006	scanner	Multi Burner	H2S+Oil
Thai Petrochemical Industry Public Co.ltd	Thailand	1	2006	95DSS1-1CEX	Burner	Natural gas/spare parts
ESSO (Thailand) Public Co.Ltd	Thailand	2	2006	60-2721-6(replacement scanner)	Burner	Natural gas/spare parts

**INSIGHT SCANNER INSTALLATION REFERENCE SHEET  
ASIA PACIFIC**



Company Name and Location	Destination country	Qty Installed	Year of Installation	Equipment	Boiler/Burner Equipment	Fuels
Auomatics Thai Co./EPC Contractor -SK & GS Engineering-Fire heater, burner:John Zinc	Thailand	372	2007	95DSS2-1CG	Bottom Fired,pilot main flame	Fuel gas
Integrate Refinery Petrochemical Co.ltd	Thailand	1	2007	95DSS2-1	Boiler/Mix Fuel gas	For replacement.
Integrate Refinery Petrochemical Co.ltd	Thailand	1	2007	95DSS2-1	Multi waste boiler in Natural gas	Natural gas with waste gas
Vinythai Public Co.Ltd	Thailand	1	2007	95DSS2-1CG-040	-	New installation
PTT Chemical Public Co.ltd	Thailand	1	2006	95DSS2-1CG	Boiler	Gas/replacements
Auomatics Thai co/ SKEC/GS E& C	Thailand	7	2008	95DSS2-1CG	Bottom Fired,pilot main flame	Fuel gas/Spares
AT Biopower	Thailand	1	2009	95IRS2-1CG	Single Burner	For oil
PetroVietnam Fertiliser & Chemical Co.,	Vietnam	16	2005	95UVS1E-1CEX	Furnace & Boiler	LPG Gas
Bienhoa Chemical Plant (Vicaco)	Vietnam	4	2005	95IRS2-01	Boiler	Heavy Fuel Oil
Petro Vietnam Fertiliser & Chemical Co.	Vietnam	2	2006	95UVS1E-1CEX	Steam Boiler	LPG/Spare parts