

## SUMMARY OF REFERENCE

		Project	Unit
<b>1</b>	<b>FLUE GAS TREATMENT SYSTEM</b>	<b>59</b>	<b>125</b>
1.1	<b>FGD(Flue Gas Desulphurization)</b>	<b>21</b>	<b>39</b>
	Wet Scrubbing w/NaOH	2	2
	Wet Limestone/Gypsum	14	28
	Wet Scrubbing w/Alkalie Waste Water	1	1
	Wet Scrubbing w/MgOH	1	2
	Dry Sodium Bicarbonate(NaHCO <sub>3</sub> ) Injection	1	4
	Semi-Dry, Limestone Injection	2	4
	Consultant	1	1
1.2	<b>SDR(Semi Dry Reactor)</b>	<b>13</b>	<b>21</b>
1.3	<b>DI(Dry Injection)</b>	<b>5</b>	<b>10</b>
1.4	<b>De-Dioxin</b>	<b>6</b>	<b>12</b>
1.5	<b>De-NOx</b>	<b>17</b>	<b>28</b>
<b>2</b>	<b>DUST COLLECTION SYSTEM</b>	<b>583</b>	<b>663</b>
2.1	<b>ESP - Dry Type</b>	<b>389</b>	<b>446</b>
2.1.1	Power Plant	60	82
2.1.2	Steel Plant	53	62
2.1.3	Cement Plant	68	72
2.1.4	Industrial Boiler	151	170
2.1.5	Glass Plant	39	42
2.1.6	Incineration Plant	18	18
2.2	<b>ESP - Wet Type</b>	<b>28</b>	<b>28</b>
2.3	<b>Electrostatic Bag Filter</b>	<b>1</b>	<b>2</b>
2.4	<b>De-Tar ESP</b>	<b>3</b>	<b>6</b>
2.5	<b>Fabric Filter</b>	<b>79</b>	<b>85</b>
2.6	<b>Wet Scrubber</b>	<b>18</b>	<b>23</b>
2.7	<b>Mechanical Cyclone Collector</b>	<b>20</b>	<b>20</b>
2.8	<b>Exhaust Fume Collectors Cold Rolled Mill</b>	<b>2</b>	<b>4</b>
2.9	<b>Flue Gas Conditioning System SO<sub>3</sub> and NH<sub>3</sub></b>	<b>7</b>	<b>9</b>
2.10	<b>Spray Cooling Tower</b>	<b>39</b>	<b>43</b>
	Glass Furnace and Cement Kiln Gas Cooling		
<b>3</b>	<b>INCINERATION SYSTEM</b>	<b>2</b>	<b>2</b>
<b>4</b>	<b>ASH HANDLING SYSTEM</b>	<b>32</b>	<b>41</b>
	Power Plant(ESP Fly Ash & Boiler Bottom Ash)		
	Ind. Boiler		
	Cement Plant		
<b>5</b>	<b>DAMPERS &amp; EXPANSION JOINT</b>	<b>52</b>	<b>52(540Ea)</b>
<b>Grand Total</b>		<b>728</b>	<b>879</b>

# 1. FLUE GAS TREATMENT SYSTEM

- 1. 1 FGD (Flue Gas Desulphurization) System
- 1. 2 SDR (Semi Dry Reactor) System
- 1. 3 DI (Dry Injection) System
- 1. 4 De-Dioxin System
- 1. 5 De-NOx System

# FLUE GAS TREATMENT SYSTEM REFERENCE LIST

## 1. 1 FGD (Flue Gas Desulphurization) System

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Daehan Pulp MFG. Co., Ltd. Cheongwon Factory</b> (Wet Scrubbing Process w/ NaOH Solution)	B-C Oil Fired Boiler	1995	<b>2,336</b>
<b>Korea Electric Power Corp. Dangjin Thermal Power Plant Unit No. 1, 2, 3 &amp; 4</b> (Wet Limestone-Gypsum Process)	500 MW x 4 Coal Fired Boiler	2001	<b>42,000 x 4</b>
<b>Korea District Heating Corp. Cheongju Energy Supply Facilities</b> (Wet Limestone-Gypsum Process)	B-C Oil Fired Boiler CHP	2001	<b>6,950</b>
<b>Korea District Heating Corp. Cheongju Energy Supply Facilities</b> (Wet Limestone-Gypsum Process)	B-C Oil Fired Boiler HOB x 2	2001	<b>3,378 x 2</b>
<b>Korea Southern Power Corp. Youngnam Thermal Power Plant Unit No. 1 &amp; 2 Orimulsion Fuel Conversion</b> (Wet Limestone-Gypsum Process)	200 MW x 2 B-C Oil & Orimulsion Boiler	2002	<b>16,374 x 2</b>
<b>Hanwha Corporation Taegu Dyeing Industrial Center</b> (Alkalic Waste Water Process)	50 MW Coal Fired Boiler	2004	<b>5,329</b>
<b>Korea South-East Power Corp. Samchonpo Thermal Power Plant Unit No. 1, 2, 3 &amp; 4</b> (Wet Limestone-Gypsum Process)	560 MW x 4 Coal Fired Boiler	2004	<b>58,833 x4</b>
<b>Wuxi Pan-Asia Envir. Protection Technologies Limited. Absorber for FGD Technical Consulting Service in China</b>	300 MW x 1 Coal Fired Boiler	2004	<b>3,529</b>
<b>Fujikasui Engineering Co., Ltd. Bridgestone Carbon Black Thailand Co., Ltd.</b> (Wet Limestone-Gypsum Process)	Carbon Black Plant With Boiler x 2	2005	<b>2,018 x 2</b>
<b>Fujikasui Engineering Co., Ltd. Thai Tokai Carbon Product Co., Ltd.</b> (Wet Limestone-Gypsum Process)	Carbon Black Plant With Boiler x 2	2005	<b>2,430 x 2</b>
<b>Korea Midland Power Co., Ltd. Jeju Thermal Power Plant Diesel Generator Facility</b> (NaOH Process)	Diesel Generator 40 MW x 1	2005	<b>8,550</b>
<b>Korea District Heating Corp. Cheongju Energy Supply Facilities</b> (Wet Limestone-Gypsum Process) (Repair Work)	B-C Oil Fired Boiler CHP	2005	<b>6,950</b>
<b>Fujikasui Engineering Co., Ltd. BLCP Power Plant</b>	Moretana plate & Internal parts	2005	<b>2,018 x 2</b>
<b>Thailand Limited.</b> (MgOH Process)			
<b>XingTai Power Plant</b> (Wet Limestone-Gypsum Process)	Coal 300 MW x 2	2005	<b>30,637 x 2</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang #1~4, Sinter Plant</b>	Sinter Plant x 4	2006	<b>34,000 x4</b>

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
(Dry NaHCO <sub>3</sub> Injection)			
<b>Fujikasui Engineering Co., Ltd.</b> <b>Ube Cement Plant</b> (Limestone - Gypsum Process)	Coal	2006	
<b>Formosa Heavy Industries Corp.</b> <b>Nine Dragons Paper Industries Corp. China</b> (Semi-Dry, Limestone Injection)	320 Ton/Hr x 2 Coal Fired Boiler	2008	<b>9,700</b> x 2
<b>Korea District Heating Corp.</b> <b>Cheongju Energy Supply Facilities</b> (Wet Limestone-Gypsum Process) (Repair Work)	B-C Oil Fired Boiler HOB x 2	2008	<b>3,378</b> x 2
<b>Formosa Heavy Industries Corp.</b> <b>Formosa Plastics Corp. USA</b> (Semi-Dry, Limestone Injection)	500 Ton/Hr x 2 Coal Fired Boiler	2009	<b>14,900</b> x 2
<b>Korea Southern Power Corp.</b> <b>Hadong Thermal Power Plant</b> <b>Unit No. 7 &amp; 8</b> (Wet Limestone-Gypsum Process)	500 MW x 2 Coal Fired Boiler	2009	<b>41,667</b> x 2
<b>Taiwan Power Company</b> <b>Hsinta Power Station</b> <b>Unit No. 1 &amp; 2</b> <b>Taiwan</b> (Wet Limestone-Gypsum Process) (Retrofit Work)	500 MW x 2 Coal Fired Boiler	2009	<b>30,053</b> x 2

# FLUE GAS TREATMENT SYSTEM REFERENCE LIST

## 1.2 SDR (Semi Dry Reactor) System

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Nu-Lake Co., Ltd. Onyang Pulp Co., Ltd. Kunpo Factory	Incinerator(Rotary-Kiln) 50TPD	1995	330
Korea Vetrotex Co., Ltd. Kunsan Factory	Glass Melting(Furnace) 60TPD	1996	304
Samsung Corporation Haeundae MSW Incineration Plant	Incinerator(Stoker) 200TPD x 2	1999	1,588 x 2
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Waste Incineration Plant	Incinerator(Rotary Kiln) 100TPD	1999	980
Hyundai Eng. & Con. Co., Ltd. Kunpo MSW Incineration Plant	Incinerator(Stoker) 200TPD	2000	1,568
Samsung Heavy Industries Co., Ltd. Guri MSW Incineration Plant	Incinerator(Stoker) 100TPD x 2	2001	800 x 2
Hyundai Heavy Industries Co., Ltd. CKS International Airport No. 4 Incineration Plant	Incinerator(Rotary Kiln) 70TPD x 2	2001	3,413 x 2
KCES Yeocheon Plant No. 1	Incinerator(FBC) 70TPD		
KCES Yeocheon Plant No. 2	Incinerator(Rotary Kiln + Stocker) 70TPD	2002	905
Sunglim Oil Chemical Co., Ltd. Ansan Plant	Incinerator(Rotary Kiln + Stocker) 148TPD	2003	6,444
Takuma Co., Limited FGTS for Mishimadani Industrial Solid Waste Incineration Plant Japan	Industrial Waste Incineration Plant	2005	1,994
POSCO / Gwangyang Steel Mill Sinter Plant #1~4 (Flue Gas Cleaning System) NaHCO <sub>3</sub> Injection System	Sinter plant De-NO <sub>x</sub> , De-SOX, De-Dioxin	2006	34,040 x4
POSCO / Gwangyang Steel Mill Sinter Plant #5 (Flue Gas Cleaning System) NaHCO <sub>3</sub> Injection System	Sinter plant De-NO <sub>x</sub> , De-SOX, De-Dioxin	2010	44,322 x1

# FLUE GAS TREATMENT SYSTEM REFERENCE LIST

## 1.3 DI (Dry Injection) System

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Byeoksan Eng. &amp; Const. Co., Ltd. Byeoksan Energy Co., Ltd. Iksan Co-Generation Plant (Lime Injection System)</b>	35 MW Coal Fired Boiler	1996	<b>3,943</b>
<b>Hyundai Heavy Industries Co., Ltd. CKS International Airport Incineration Plant No. 4 (Lime Injection System)</b>	Incinerator(Rotary Kiln) 70TPD x 2	2001	<b>3,413 x 2</b>
<b>Sunglim Oil Chemical Co., Ltd. Ansan Plant</b>	Incinerator(Rotary Kiln + Stocker) 148TPD	2003	<b>6,444</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Sinter Plant No. 1, 2, 3 &amp; 4 (Flue Gas Cleaning System)</b>	Sinter Plant x 4	2006	<b>34,000 x 4</b>
<b>SNNC/Gwangyang (Kawasaki Plant System) Fe-Ni Plant</b>	Rotary Kiln (SCR System/Ammonia)	2008	<b>7,311 x 2</b>

# FLUE GAS TREATMENT SYSTEM REFERENCE LIST

## 1. 4 De-Dioxin System

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Samsung Corporation</b> <b>Haeundae MSW Incineration Plant</b> (Activated Carbon Injection System)	Incinerator(Stoker) 200TPD x 2	1999	<b>1,588</b> x 2
<b>Hyundai Eng. &amp; Con. Co., Ltd.</b> <b>Kunpo MSW Incineration Plant</b> (Activated Carbon Injection System)	Incinerator(Stoker) 200TPD	2000	<b>1,568</b>
<b>Samsung Heavy Industries Co., Ltd.</b> <b>Guri MSW Incineration Plant</b> (Activated Carbon Injection System)	Incinerator(Stoker) 100TPD x 2	2001	<b>800</b> x 2
<b>Hyundai Heavy Industries Co., Ltd.</b> <b>CKS International Airport</b> <b>No. 4 Incineration Plant</b> (Activated Carbon Injection System)	Incinerator(Rotary Kiln) 70TPD x 2	2001	<b>3,413</b> x 2
<b>Sunglim Oil Chemical Co., Ltd.</b> <b>Ansan Plant</b>	Incinerator(Rotary Kiln + Stocker) 148TPD	2003	<b>6,444</b>
<b>Pohang Iron &amp; Steel Co., Ltd.</b> <b>Gwangyang</b> <b>Sinter Plant No. 1, 2, 3 &amp; 4</b> (Flue Gas Cleaning System)	Sinter Plant x 4	2006	<b>34,000</b> x4

# FLUE GAS TREATMENT SYSTEM REFERENCE LIST

## 1. 5 De-NOx System

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
<b>Hyundai Eng. &amp; Con. Co., Ltd.</b> <b>Kunpo MSW Incineration Plant</b> (SCR System w/Ammonia)	Incinerator(Stoker) 200TPD	2000	<b>1,568</b>
<b>Hyundai Heavy Industries Co., Ltd.</b> <b>CKS International Airport Incineration Plant No. 4</b> (SNCR System w/Urea)	Incinerator(Rotary Kiln) 70TPD x 2	2001	<b>3,413 x 2</b>
<b>POSCO Eng. &amp; Construction Co., Ltd.</b> <b>Pohang Steel Works</b> <b>Stainless Steel Manufacturing Factory No. 1</b> (SCR System w/Urea)	Stainless Steel APL Line	2000	<b>150</b>
<b>Korea Southern Power Corp.</b> <b>Youngnam Thermal Power Plant</b> <b>Orimulsion Fuel Conversion Unit No. 2</b> (SCR System w/Ammonia)	200 MW B-C Oil & Orimulsion Boiler	2002	<b>18,978</b>
<b>POSCO Eng. &amp; Construction Co., Ltd.</b> <b>Pohang Steel Works</b> <b>No. 3 Stainless Steel Manufacturing Factory</b> (SCR System w/Urea)	Stainless Steel APL Line	2002	<b>240</b>
<b>KCES</b> <b>Yeocheon Plant</b> (SNCR System w/Urea)	Incinerator(Rotary Kiln + Stocker) 50TPD	2002	<b>2,370</b>
<b>Sunglim Oil Chemical Co., Ltd.</b> <b>Ansan Plant</b> (SNCR System w/Urea)	Incinerator(Rotary Kiln + Stocker) 148TPD	2003	<b>8,018</b>
<b>Samnam Petrochemical Co., Ltd.</b> <b>Yeocheon Plant</b> (SNCR System w/Urea)	Incinerator(FBC) 60TPD	2003	<b>480</b>
<b>KCES</b> <b>Yeocheon Plant</b> (SNCR System w/Urea)	Incinerator(FBC) 70TPD	2004	<b>1,650</b>
<b>Hanwha Corporation</b> <b>Taegu Dyeing Industry Complex corp.</b> (SCR System w/Ammonia)	50 MW Coal Fired Boiler	2004	<b>5,329</b>
<b>Samsung Fine Chemicals.</b> <b>Ulsan Thermal Power Plant</b> <b>Orimulsion Fuel Conversion Unit No. 3</b> (SCR System w/Ammonia)	50 MW B-C Oil & Orimulsion Boiler	2004	<b>6,000</b>
<b>Sunchang Corporation</b> <b>Incheon MDF Plant Wooden Firing Boiler</b> (SCR System w/Ammonia)	Wooden Fired Boiler 30TPH	2005	<b>1,950</b>
<b>Taishan Thermal Power Plant</b> <b>Unit No. 5</b> <b>CHINA</b> (SCR System w/Ammonia)	600 MW Coal Fired Boiler	2006~	<b>75,000</b>
<b>Korea East West Power Corp.</b> <b>Dangjin Thermal Power Plant Unit No. 1~4</b> (SCR System w/Ammonia)	500 MW x 4Unit Coal Fired Boiler	2006	<b>28,290 x 4</b>
<b>POSCO</b> <b>Gwangyang Steel Work</b> <b>Sintering Unit No. 1~4</b> (SCR System w/Ammonia)	Sintering Line x 4	2007	<b>34,040 x 4</b>

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>SNNC(Gwangyang) Kawasaki Plant System Fe-Ni Plant</b> (SCR System w/Ammonia)	Rotary Kiln	2008	<b>7,311</b> <b>x 2</b>
<b>POSCO / Gwangyang Steel Mill Sinter Plant #5 (Flue Gas Cleaning System) NaHCO<sub>3</sub> Injection System</b>	Sinter plant De-NOx, De-SOX, De-Dioxin	2010	<b>44,322</b> <b>x1</b>

## **2. DUST COLLECTION SYSTEM**

- 2. 1 Electrostatic Precipitator - Dry Type**
- 2. 2 Electrostatic Precipitator - Wet Type**
- 2. 3 De-Tar ESP**
- 2. 4 eBF (Electrostatic Bag Filter)**
- 2. 5 Fabric Filter**
- 2. 6 Wet Scrubber**
- 2. 7 Cyclone Collector**
- 2. 8 Exhaust Fume Collector**
- 2. 9 Flue Gas Conditioning System**
- 2. 10 Spray Cooling Tower**

## **2. 1 Electrostatic Precipitator - Dry Type**

**2.1.1 Power Plant EP**

**2.1.2 Steel Plant EP**

**2.1.3 Cement Plant EP**

**2.1.4 Industrial Boiler EP**

**2.1.5 Glass Plant EP**

**2.1.6 Incineration Plant EP**

### ***2.1.1 Power Plant EP***

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Korea Electric Power Corp. Masan Thermal Power Plant Unit No. 1 & 2	25 MW Coal Fired Boiler	1963	3,820
Korea Electric Power Corp. Kunsan Thermal Power Plant Unit No. 1	75 MW Coal Fired Boiler	1970	8,433
Korea Electric Power Corp. Samcheok Thermal Power Plant Unit No. 1 (Repair & Modification)	25 MW Coal Fired Boiler	1975	3,820
Korea Electric Power Corp. Samcheok Thermal Power Plant Unit No. 2 (Repair & Modification)	30 MW Coal Fired Boiler	1975	4,580
Korea Electric Power Corp. Pusan Thermal Power Plant Unit No. 1 & 2 (Repair & Modification)	60 MW Coal Fired Boiler	1976	7,630
Korea Electric Power Corp. Seoul Thermal Power Plant Unit No. 4 (Repair & Modification)	132 MW Coal Fired Boiler	1976	14,000
Korea Electric Power Corp. Seoul Thermal Power Plant Unit No. 3 (Repair & Modification)	25 MW Coal Fired Boiler	1976	3,820
Korea Electric Power Corp. Masan Thermal Power Plant Unit No. 1 & 2 (Repair & Modification)	25 MW Coal Fired Boiler	1976	3,820
Korea Electric Power Corp. Masan Thermal Power Plant Unit No. 1 & 2 (Bypass Duct)	25 MW Coal Fired Boiler	1977	-
Korea Electric Power Corp. Kunsan Thermal Power Plant Unit No. 1 (Repair & Modification)	75 MW Coal Fired Boiler	1978	8,430
Korea Electric Power Corp. Study on the Relocation of Seoul T/P Unit No. 4 to Yeongwol T/P	132 MW 50 MW x 2 Coal Fired Boiler	1979	7,000 x 2
Korea Electric Power Corp. Pusan Thermal Power Plant Unit No. 1 & 2 (Maintenance Work)	60 MW Coal Fired Boiler	1979	7,626
Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 1 & 2	500 MW x 2 Coal Fired Boiler	1983	68,400 x 2
Korea Electric Power Corp. Pusan Thermal Power Plant Unit No. 1 & 2	66 MW Coal Fired Boiler	1984	7,626
Korea Electric Power Corp. Kunsan Thermal Power Plant Unit No. 1 (Repair Work)	75 MW Coal Fired Boiler	1985	8,430
Korea Electric Power Corp. Ulsan Thermal Power Plant Unit No. 4, 5 & 6	400 MW x 3 B-C Oil Fired Boiler	1987 1988	30,000 x 3

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Sunkyong Fiber Ltd. Co-Generation Plant Ulsan Factory	55 MW Coal Fired Boiler	1988	6,290
Daewoo Heavy Ind. Co., Ltd. Co-Generation Plant of Pusan Dyeing Industries Complex	15 MW Coal Fired Boiler	1990	1,906
Korea Electric Power Corp. Yeosu Thermal Power Plant Unit No. 1 w/Ash Handling System	200 MW B-C Oil Fired Boiler	1990	18,330
Korea Electric Power Corp. Yeosu Thermal Power Plant Unit No. 2	300 MW B-C Oil Fired Boiler	1990	28,330
Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 3, 4, 5 & 6	500 MW x 3 Coal Fired Boiler	1992	44,317 x 4
Taiwan Power Company Talin Steam Power Station Unit No. 3 & 4	375 MW x 2 B-C Oil Fired Boiler	1992	28,167 x 2
Taiwan Power Company Hsinta Steam Power Station Unit No. 1 & 2	500 MW x 2 Coal Fired Boiler	1992	50,800 x 2
Taiwan Power Company Shen-Ao Steam Power Station Unit No. 1, 2 & 3 (Retrofitting)	80 MW 140 MW 200 MW Coal Fired Boiler	1994 1993 1993	8,765 14,526 20,175
Korea Electric Power Corp. Kunsan Thermal Power Plant Unit No. 1 Repair Work	75 MW Coal Fired Boiler	1994	8,430
Korea Electric Power Corp. Yeongdong Thermal Power Plant Unit No. 1 & 2 (Reconstruction)	125 MW x 1 200 MW x 1 Coal Fired Boiler	1995	13,700 21,850
Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 1 & 2 (Reconstruction)	500 MW x 1 Coal Fired Boiler	1995	53,334 x 2
Byeoksan Eng. & Const. Co., Ltd. Byeoksan Energy Co., Ltd. Iksan Co-Generation Plant	35 MW Coal Fired Boiler	1996	3,943
Daewoo Motors India Ltd. DMIL Power Plant New Delhi, India	13 MW x 3 B-C Oil Fired Boiler	1996	2,718 x 3
Korea Electric Power Corp. Yeosu Thermal Power Plant Unit No. 1 (Repair & Modification)	200 MW B-C Oil Fired Boiler	1996	18,333
Korea Electric Power Corp. Nam Che Ju Thermal Power Plant Unit No. 1 & 2	10 MW x 2 B-C Oil Fired Boiler	1997	1,167 x 2
Takuma Co., Ltd.	27 MW	1997	4,910

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
PT Suparma Paper Industry Thermal Power Plant Indonesia	Coal Fired Boiler		
Korea Electric Power Corp. Yeongwol Thermal Power Plant Unit No. 2-2 (Repair Work)	50 MW Coal Fired Boiler	1998	8,333
Korea Electric Power Corp. Samcheonpo Thermal Power Plant Unit No. 1 & 2 (Internal Exchange Work)	560 MW x 2 Coal Fired Boiler	1999	-
Ishikawajima-Harima Heavy Ind. Co., Ltd. Nippon Steel Co., Ltd. Kamaish Power Plant Japan	149 MW Coal Fired Boiler	2000	11,430
Hebei Electric Power Corp. Shijiazhuang Thermal Power Plant(Unit #12) China	220 T/H Coal Fired Boiler	2000	7,000
Hebei Electric Power Corp. Matou Thermal Power Plant(Unit #4) China	410 T/H Coal Fired Boiler	2000	13,830
Korea Electric Power Corp. Taeon Thermal Power Plant Unit No. 5 & 6	500 MW x 2 Coal Fired Boiler	2001	46,420 x 2
Changchun Generating Equipment Group Jilin Jiache Thermal Power Plant Unit No. 1 & 2 China	75 T/H x 2 Coal Fired Boiler	2001	2,768 x 2
Changchun Generating Equipment Group Jilin Thermal Power Plant No. 15 China	200 MW Coal Fired Boiler (Transformation)	2001	24,666
Changchun Generating Equipment Group Jilin Thermal Power Plant No. 14 China	200 MW Coal Fired Boiler	2002	24,666
Hebei Electric Power Corp. #150 Thermal Power Plant No. 4 China	220 T/H Coal Fired Boiler	2002	7,167
Hebei Electric Power Corp. Handan Thermal Power Plant No. 9 & 10 China	220 T/H x 2 Coal Fired Boiler	2002	7,432 x 2
Taiwan Power Company Taichung Steam Power Station Unit No. 9 & 10 Taiwan	550 MW x 2 Coal Fired Boiler	2001 ~2004	52,666 x 2
Hanwha Corporation Taegu Dyeing Industry Complex corp.	50 MW Coal Fired Boiler	2004	5,329
Mitsiam International Limited ESP for Yala Green Power Plant In Thailand	Wood chip Firing Boiler	2005	4,791
Siam Takuma Co., Limited ESP for Surin Sugar Co., Ltd.	Firing Boiler Plant	2005	9,515

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>In Thailand</b>			
<b>Huayang Electric Power Co., Ltd. Formosa Plastics Group Unit No. 7 China</b>	600 MW Coal Fired Boiler	2006	<b>53,184</b>
<b>Korea Electric Power Corp. Taeon Thermal Power Plant Unit No. 7 &amp; 8</b>	500 MW x 2 Coal Fired Boiler	2006	<b>49,640 x 2</b>
<b>eTEC E&amp;C Limited &amp; Hanwha E&amp;C Corporation Kunjang Energy Co., Ltd. KunSan</b>	53 MW x 2 Coal Fired Boiler	2007	<b>5,291 x 2</b>
<b>Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 7 &amp; 8</b>	500 MW x 2 Coal Fired Boiler	2007~ 2008	<b>49,630 x 2</b>
<b>Siam Takuma Co., Ltd. Surin Sugar BLR In Thailand (Extension Work)</b>	Firing Boiler Plant	2007	<b>10,134</b>
<b>Mitsubishi Heavy Industries Ltd. Guacolda Power Plant #3 In Chile</b>	145 MW Coal Fired Boiler	2007	<b>15,220</b>
<b>Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 1 &amp; 2 (Repair Work)</b>	500 MW x 1 Coal Fired Boiler	2009	<b>53,334 x 2</b>
<b>Taiwan Power Company Hsinta Power Station Unit No. 1 &amp; 2 Taiwan</b>	500 MW x 2 Coal Fired Boiler	2009	<b>30,053 x 2</b>
<b>Mitsubishi Heavy Industries Ltd. Guacolda Power Plant #1&amp;2 In Chile</b>	150 MW x 2 Coal Fired Boiler	2008	<b>16,063</b>
<b>Mitsubishi Heavy Industries Ltd. Guacolda Power Plant #4 In Chile</b>	150 MW x 1 Coal Fired Boiler	2008	<b>16,728</b>

**2. 1.2 *Steel Plant EP***

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Korea Mining & Smelting Co., Ltd. Janghang Refinery Furnace No. 1 & 2	Copper Furnace Process	1978	1,380
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 1	Sinter Machine Process	1985	10,500
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 2	Sinter Machine Process	1986	18,000
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Blast Furnace No. 1 Stockhouse	Raw Mt'l Handling Nuisance Control	1987	15,760
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Material Cracking No. 1 & 2	Raw Mt'l Handling Nuisance Control	1987	6,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Steel Manufacturing No. 2 Converter	Converter Nuisance Control	1988	15,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 3	Sinter Machine Environment	1988	14,700
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 3	Sinter Machine Process	1988	17,000 x 2
Kukje Electric Wire Co., Ltd. Gunpo Factory Copper Melting Furnace	Reverberatory Furnace Process	1989	900
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Blast Furnace No. 3 Stockhouse	Raw Mt'l Handling Nuisance Control	1989	12,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Steel Manufacture No. 1 Converter	Converter Nuisance Control	1990	10,000 x 2
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Cast Iron Sinter Plant	Sinter Machine Process	1990	3,600
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Source Factory No. 2	Raw Mt'l Handling Nuisance Control	1991	7,000
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Blast Furnace No. 4 Stockhouse	Raw Mt'l Handling Nuisance Control	1991	12,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 1 (Repair & Modification)	Sinter Machine Environment	1993	7,200

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 1 (Repair & Modification)	Sinter Machine Process	1993	7,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 2 (Extension Work)	Sinter Machine Process	1994	6,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 2 (Internal Exchange & Modification)	Sinter Machine Environment	1994	10,200
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Incinerator No. 2	Incineration Plant	1995	1,328
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 3 (Extension Work)	Sinter Machine Process	1995	11,400
Dongjin Engineering Co., Ltd. Hanbo Steel Co., Ltd. Asan Steel Work	Furnace Process	1996	3,478
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Converter No. 1 & 2 (Internal Exchange Work)	Furnace Process	1996	3,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 2 (Repair & Modification Work)	Sinter Machine Process	1997	18,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Sinter Plant No. 2 (I.D fan Exchange Work)	Sinter Machine Environment	1997	10,200
Dongguk Steel Co., Ltd. Pohang Steel Works W.B Furnace	Furnace 280Ton/hr x 2	1997	5,195 x 2
Dongguk Steel Co., Ltd. Pohang Steel Works W.B Furnace	Furnace 210Ton/hr x 1	1997	4,564
Research Institute of Industrial Science & Technology Pohang Steel Works Plasma Reactor for Sinter Plant	Sinter Machine Process(Research)	1997	117
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Blast Furnace No. 5 Source Material Stock House	Raw Mt'l Handling Nuisance Control	1999	12,000
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Blast Furnace No. 1 Source Material Stock House (Repair & Modification)	Raw Mt'l Handling Nuisance Control	2002	15,033

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Non-Thermal Plasma Reactor for Incineration Plant	Incineration Pilot Project	2002	1,324
POSCO Eng. & Construction Co., Ltd. Esfahan Steel Co, Esfahan Works, Iran. Sinter Plant No. 4 Exhaust De-dusting Plant Iran	Sinter Machine Process	2004	25,000
POSCO Eng. & Construction Co., Ltd. Esfahan Steel Co, Esfahan Works, Iran. Sinter Plant No. 4 Plant De-dusting Plant Unit No. 1	Sinter Machine Environment	2004	12,000
POSCO Eng. & Construction Co., Ltd. Esfahan Steel Co, Esfahan Works, Iran. Sinter Plant No. 4 Plant De-dusting Plant Unit No. 2	Sinter Machine Environment	2004	19,500
POSCO Eng. & Construction Co., Ltd. Esfahan Steel Co, Esfahan Works, Iran. Blast Furnace No. 3 Source Material Stock House	Raw Mt'l Handling	2004	11,500
POSCO Eng. & Construction Co., Ltd. Esfahan Steel Co, Esfahan Works, Iran. No. 3 Blast Furnace Cast House	Furnace Process	2004	18,720
POSCO Gwangyang Steel Works Sinter Plant No. 4 (Internal Part Exchange & Modification)	Sinter Machine Process	2004	19,000 x2
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Blast Furnace No. 2 Source Material Stock House (Repair & Modification)	Raw Mt'l Handling Nuisance Control	2004	15,033
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Blast Furnace No. 2	PCI Process	2005	670
POSCO Eng. & Construction Co., Ltd. Gwangyang Steel Works Cold Rolled Mill Process No. 5	COG Process	2005	127
POSCO Pohang Steel Works Sinter Plant No. 3 (Unit No.1&2 Exchange)	Sinter Machine Process	2006	12,825 x2
POSCO Pohang Steel Works Sinter Plant No. 3 (Internal part Exchange & Modification)	Sinter Machine Environment	2006	14,700
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Cold Mill No. 1	Hydrochloric Acid Facilities	2006	1,495
POSCO Eng. & Construction Co., Ltd. Pohang Steel Works	Dephosphorization Plant	2007	6,586

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
<b>Steel Manufacture No. 1</b> (Internal part Exchange & Modification)			
<b>POSCO</b> <b>Gwangyang Steel Works</b> <b>Sinter Plant No. 2</b> (Internal Part Exchange & Modification)	Sinter Machine Process	2007	<b>12,600</b>
<b>SUMITOMO</b> <b>Kashima Plant</b> <b>Sinter Plant No. 2</b> <b>Japan</b>	Sinter Machine	2008	<b>33,563</b>
<b>LS-Nikko Copper</b> <b>Onsan Factory</b>	Converter ESP	2008	<b>4,360</b>
<b>POSCO E&amp;C</b> <b>ASIA SPECIAL STEEL</b> <b>Electric ARC Furnace</b> (Bag Filter System)	EAF Dedusting System	2008	<b>15,000</b>
<b>POSCO Eng. &amp; Construction Co., Ltd.</b> <b>Gwangyang Steel Works</b> <b>Steel Manufacture No. 2</b> (Environment)	Dephosphorization Plant	2009	<b>10,886</b>
<b>POSCO Eng. &amp; Construction Co., Ltd.</b> <b>Gwangyang Steel Works</b> <b>Blast Furnace No. 4</b> (Internal Part Exchange & Modification)	Furnace Plant	2009	<b>12,000</b>
<b>Samsung Engineering</b> <b>Hyundai Steel Company</b> <b>Dangjin Steel Works</b> <b>Sinter Plant No. 1&amp;2</b>	Room EP	2009	<b>17,000</b> x 2
<b>POSCON</b> <b>Pohang Steel Works</b> <b>Sinter Plant No. 4</b>	Sinter Machine Environment	2009	<b>7,000</b>
<b>Hyundai Steel Co., Ltd.</b> <b>Dangjin Steel Works</b> <b>Sinter Plant</b>	Waste ESP for Sinter	2009	<b>42,000</b> x 2
<b>POSCO Eng. &amp; Construction Co., Ltd.</b> <b>Pohang Steel Works</b> <b>Sinter Plant No. 4</b>	Sinter Machine	2010	<b>38,000</b> x 3

### ***2.1.3 Cement Plant EP***

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Dongyang Cement Corp. Samcheok Factory Kiln No. 4 & 5	3,000 T/D Kiln	1975	6,510
Dongyang Cement Corp. Samcheok Factory Alkali Kiln No. 4 & 5 Bypass	Alkali Dust Collection	1976	2,300
Dongyang Cement Corp. Samcheok Factory New Suspension Pre-heater Kiln No. 4 & 5 (Retrofitting)	3,000 T/D Kiln	1977	-
Asia Cement Mfg. Co., Ltd. Jaechon Factory Kiln No. 1 & 2	1,000 T/D Lepol Kiln	1978	3,250
Hanil Cement Mfg. Co., Ltd. Danyang Factory Lepol Kiln No. 3	2,000 T/D Kiln	1979	4,200
Hanil Cement Mfg. Co., Ltd. Danyang Factory Kiln No. 1	1,500 T/D Kiln	1980	-
Sungshin Cement Ind. Co., Ltd. Danyang Factory Kiln No. 1 & 2	2,500 T/D Kiln	1980	6,500
Asia Cement Mfg. Co., Ltd. Jaechon Factory Lepol Kiln No. 1	1,000 T/D Kiln	1981	3,250
Hanil Cement Mfg. Co., Ltd. Danyang Factory Kiln No. 4	3,200 T/D Kiln	1983	8,100
Hanil Cement Mfg. Co., Ltd. Danyang Factory Kiln No. 2	2,000 T/D Kiln	1984	4,716
Goryeo Cement Mfg. Co., Ltd. Changsung Factory Kiln No. 1	2,400 T/D Kiln	1984	6,365
Sungshin Cement Ind. Co., Ltd. Danyang Factory New NSP Kiln No. 1	6,000 T/D Kiln	1984	15,000
Asia Cement Mfg. Co., Ltd. Jaechon Factory Kiln No. 3	3,200 T/D Kiln	1984	8,200
Asia Cement Mfg. Co., Ltd. Jaechon Factory AQC No. 2	2,200 T/D Cooler	1984	4,500
Goryeo Cement Mfg. Co., Ltd. Changsung Factory A.Q.C	2,200 T/D Cooler	1986	7,000
Sungshin Cement Ind. Co., Ltd. Danyang Factory Kiln No. 3 (Extension Work)	3,600 T/D Kiln	1986	9,750

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Samhwa Chemical Co., Ltd. Pohang Factory	Kiln(MgO)	1989	690
P.T International Corp. Nickel Project 105 Indonesia	Kiln-Off Gas	1989	8,150
Asia Cement Mfg. Co., Ltd. Jaechon Factory Kiln K-01	2,000 T/D Kiln	1989	5,383
Asia Cement Mfg. Co., Ltd. Jaechon Factory AQC K-01	2,000 T/D Cooler	1989	6,000
Asia Cement Mfg. Co., Ltd. Jaechon Factory Kiln R-3	4,000 T/D Kiln	1989	9,000
Asia Cement Mfg. Co., Ltd. Jaechon Factory A.Q.C R-3	4,000 T/D Cooler	1990	12,983
Dongyang Cement Corp. Samcheok Plant Kiln No. 3 (Retrofitting)	Kiln	1990	3,000
Asia Cement Mfg. Co., Ltd. Jaechon Factory Kiln No. 3 (Extension Work)	3,200 T/D Kiln	1990	1,415
Asia Cement Mfg. Co., Ltd. Jaechon Factory Kiln No. 1 & 2 (Retrofitting)	1,000 T/D Kiln	1991	3,250
Samsung Heavy Ind. Co., Ltd. Donghae Pulp Co., Ltd. Onsan Factory	Lime Kiln	1991	922
Hanil Cement Mfg. Co., Ltd. Kiln No. 2 (Repair Work)	2,000 T/D	1992	4,597
Asia Cement Mfg. Co., Ltd. Jaechon Factory Raw Mill No. 4	Raw Mill	1992	5,417
Sungshin Cement Ind. Co. Ltd. Danyang Plant K-1 AQC	Cooler	1992	12,290
Goryeo Cement Mfg. Co., Ltd. Samcheok Factory Kiln No. 1	4,500 T/D Kiln	1993	10,867
Goryeo Cement Mfg. Co., Ltd. Samcheok Factory A.Q.C.	Cooler	1993	14,017
Sungshin Cement Ind. Co., Ltd. Danyang Plant Raw Mill No. 6	Raw Mill	1993	11,500
Sungshin Cement Ind. Co., Ltd Danyang Plant 3N A.Q.C.	6,000 T/D Cooler	1993	15,500

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Hanil Cement Mfg. Co., Ltd. Danyang Factory Kiln No. 4	3,200 T/D Kiln	1993	7,500
UBE Techno. Eng. Co., Ltd. Cement Raw Mill Material Supply	Raw Mill	1994	-
Sungshin Cement Inc. Co., Ltd. Danyang Plant	#3 Kiln/K-Line	1994	5,279
Asia Cement Mfg. Co., Ltd. Jaecheon Factory	Raw Mill & Kiln	1994	6,320
Iligan Cement Corporation Philippines	Kiln	1995	4,060
Asia Cement Mfg. Co., Ltd. Jaecheon Factory Raw Mill & Kiln No. 3	Raw Mill & Kiln	1995	11,667
Iligan Cement Corporation Philippines	A.Q.C	1995	4,433
Sungshin Cement Ind. Co. Ltd. Danyang Plant Raw Mill No. 4 (Kiln No. 1)	Raw Mill & Kiln	1995	4,410
Solid Cement Corporation Philippines	Kiln	1994	6,320
Hanil Cement Mfg. Co., Ltd. Danyang Factory Kiln No. 3	Raw Mill (4,200 T/D)	1995	10,150
Alson Cement Corporation Philippines	A.Q.C	1995	4,400
Daewoo Corporation Daewoo Cement Corp. Shandong, China P.R	7,500 T/D Kiln	1997	10,000 x2
Daewoo Corporation Daewoo Cement Corp. Shandong, China P.R	A.Q.C. Kiln	1997	14,835
UBE Techno Eng. K.K Toso Cement Co., Ltd. Hyuga Factory Japan (Repair Work)	Magnesium Manufacturing	1996	-
UBE Techno Eng. K.K Toso Cement Co., Ltd. Hyuga Factory, Japan	Kiln	1996	-
Sungshin Cement Ind. Co., Ltd. Danyang Factory	#2 Cooler	1997	11,445
Sungshin Cement Ind. Co., Ltd. Danyang Factory SS6 Cooler	9,000 T/D Cooler	1997	10,365 x2
Daewoo Corporation Bosowa Cement Co., Ltd. Indonesia	Cement Mill	1997	-

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Daewoo Corporation Bosowa Cement Co., Ltd. Indonesia</b>	Raw Mill	1997	-
<b>Sungshin Cement Ind. Co., Ltd. Danyang Factory (Repair Work)</b>	#3 Kiln	1998	<b>5,279</b>
<b>Asia Cement Mfg. Co., Ltd. Jaecheon Factory (Internal Exchange Work)</b>	K-4 Kiln	1998	<b>11,667</b>
<b>Asia Cement Mfg. Co., Ltd. Jaecheon Factory (Internal Exchange Work)</b>	K-3 Kiln	1999	<b>5,383</b>
<b>Hanil Cement Mfg. Co., Ltd. Danyang Factory</b>	4,200 T/D #6 Cooler	1999	<b>13,183</b>
<b>Daewoo International Corporation Anhui Conch Cement, China</b>	7,500 T/D Kiln	2003	<b>10,000 x 2</b>
<b>Daewoo International Corporation Anhui Conch Cement, China</b>	AQC	2003	<b>14,835</b>
<b>SSang Yong Cement Co., Ltd. Yeongwol Plant (Repairing Work)</b>	#3 Cooler	2003	<b>4,718</b>
<b>SSang Yong Cement Co., Ltd. Yeongwol Plant (Repairing Work)</b>	#5 Cooler	2003	<b>5,023</b>
<b>Tongang Cement Co., Ltd. Samchok Plant (Repairing Work)</b>	#6, 7 Cooler	2004	<b>9,000</b>
<b>Sungshin Cement Co., Ltd. Danyang Factory (Extension Work)</b>	#1 Cooler	2004	<b>12,290</b>
<b>Dongyang Cement Co., Ltd. Samchok Plant (Repairing work)</b>	#4 Cooler	2004	<b>4,833</b>
<b>Sungshin Cement Co., Ltd. Danyang Factory</b>	#2 Cooler	2004	<b>11,585</b>
<b>SSangYong Cement Co., Ltd. Donghae Plant (Repairing Plant)</b>	#3 Cooler	2005	<b>9,377</b>
<b>SSangYong Cement Co., Ltd. Donghae Plant (Repairing Plant)</b>	#1-1 & 2 Cooler	2006	<b>7,329</b>
<b>SSangYong Cement Co., Ltd. Yeongwol Plant (Repairing Work)</b>	#4 Cooler	2008	<b>7,892</b>

#### ***2.1.4 Industrial Boiler EP***

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Hankuk Glass Ind. Co., Ltd. Inchon Factory Unit No. 1	PbO Collection	1974	800
Lucky Ltd. Tongnae PVC Plant PVC Foam Oven	DOP Mist Collection	1976	960
Lucky Ltd. Ulsan PVC Plant PVC Foam Oven	DOP Mist Collection	1979	-
Seoul City Government Yongdeongpo Hospital	B-C Oil Fired Boiler	1978	-
Namhae Industrial Co., Ltd. Yeosu Factory	Gypsum Dryer	1983	3,200
Byucksan Corp. Yeochon Plant	1,875 T/D Gypsum Drying & Calcining	1985	850
Korea Mining & Smelting Co., Ltd. Onsan Factory	Rotary Dryer	1987	1,513
Borneo Mercantile Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1988	500
Dongsuuh Food Corp. Inchon Factory	B-C Oil Fired Boiler	1988	1,325
Daehan Pulp Ind. Co., Ltd. Eujungbu Factory	B-C Oil Fired Boiler	1988	900
Taesung Lumber Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1988	2,900
Sunchang Ind. Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1988	2,600
Sunchang Ind. Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1988	500
Chonju Paper Mfg. Co., Ltd. Chonju Factory	B-C Oil Fired Boiler	1988	2,380
Dong-Suh Food Corp. Changwon Factory	B-C Oil Fired Boiler	1988	1,383
Samick Furniture Co., Ltd. Inchon Factory.	Waste Wood Fired Boiler	1989	900
Hanil Synthetic Fiber Ind. Co., Ltd. Masan Factory	B-C Oil Fired Boiler	1989	6,414
Hanil Synthetic Fiber Ind. Co., Ltd. Masan Factory Co-Generation Plant No. 3	B-C Oil Fired Boiler	1989	5,347
Borneo Mercantile Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1989	800
Chiyoda Corp. Japan Yukong Limited (Ulsan) P.X Project	B-C Oil Fired Heater	1989	3,908
Daelim Engineering Co., Ltd.	MDU	1990	1,079

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Yukong Ltd. Ulsan Factory			
Daelim Engineering Co., Ltd. Yukong Ltd. Refinery Project No. 4 (Expansion)	Refinery	1990	4,531
Eagon Ind. Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1990	2,300
Sungchang Enterprise Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1990	3,000
Sunkyong Industries Ulsan Factory	70 T/H Package B-C Oil Fired Boiler	1990	1,724
Byucksan Corp. Jinhae Factory	Gypsum Drying & Calcining	1990	600
Dong-Suh Food Corp. Changwon Factory	B-C Oil Fired Boiler	1990	1,383
Sunchang Ind. Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1990	950
Daelim Engineering Co., Ltd. Yukong Ltd. Ulsan Factory Expansion Project	Refinery	1991	4,531
Samsung Heavy Ind. Co., Ltd. Hanil Synthetic Fiber Ind. Co., Ltd. Masan Factory	B-C Oil Fired Boiler	1991	4,381
Donghae Pulp Co., Ltd. Onsan Factory (Retrofitting)	Recovery Boiler #3	1991	5,165
Daewoo Corp. Donghae Pulp Co., Ltd. Onsan Factory	Recovery Boiler	1991	4,356
Lucky Poly-chemical Co., Ltd. Yuchun Factory	B-C Oil Fired Boiler	1991	3,435
Sunchang Ind. Co., Ltd. Incheon Factory	Waste Wood Fired Boiler	1991	1,300
Lucky Engineering Co., Ltd. Lucky Corp. Cheongju Factory	B-C Oil Fired Boiler	1991	1,500
Taewang Ind. Co., Ltd. Ulsan Factory	TN Plant	1992	950
Lucky Engineering Co., Ltd. Honam Chemical Co., Ltd. Yuchun Factory	No. 1 W.H.B B-C Oil Fired Boiler	1992	4,620
Lucky Engineering Co., Ltd. Honam Chemical Co., Ltd. Yuchun Factory	No. 2 W.H.B B-C Oil Fired Boiler	1992	17,460
Lucky Engineering Co., Ltd. Honam Chemical Co., Ltd.	Package B-C Oil Fired Boiler	1992	5,140

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
<b>Yuchun Factory</b>			
Taekwang Ind. Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	1992	3,330
Daehan Synthetic Fiber Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	1992	588
Sepoong Co., Ltd. Kunsan Factory	B-C Oil Fired Boiler	1992	1,940
Sungchang Ind. Co., Ltd. Sihwa Factory	Waste Wood Fired Boiler	1992	830
Daehan Synthetic Fiber Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	1992	1,675
Dongkuk Synthetic Fiber Co., Ltd. Kumi Factory	B-C Oil Fired Boiler	1993	650
Goryeo Environment Tech. Co., Ltd. Eagon Industrial Co., Ltd. Kimpo Factory	Waste Wood Fired Boiler	1993	750
Lucky Engineering Co. Ltd. Gold Star Co., Ltd. Changwon Factory	B-C Oil Fired Boiler	1993	2,400
Dongshin Paper Mfg. Co., Ltd. Jinju Factory	B-C Oil Fired Boiler	1993	1,300
Miwon Co., Ltd. Kunsan Factory	B-C Oil Fired Boiler	1993	638
Samsung Heavy Ind. Co., Ltd. Dongyang Chemical Co., Ltd. Inchon Factory	B-C Oil Fired Boiler	1993	4,053
Daelim Engineering Co., Ltd. Ssangyong Oil Refining Co., Ltd. Ulsan Factory	CDU Project	1994	4,432
Daelim Engineering Co., Ltd. Ssangyong Oil Refining Co., Ltd. Ulsan Factory	BCC Project	1994	4,099 1,192
Hansol Paper Mfg. Co., Ltd. Janghang Factory	B-C Oil Fired Boiler	1994	2,482
Daehan Pulp Ind. Co., Ltd. Eujungbu Factory(Repair Work)	B-C Oil Fired Boiler	1994	900
Samsung Heavy Ind. Co., Ltd. Ssangyong Oil Refining Co., Ltd. Ulsan Factory	BCC Refinery	1994	2,276 x 2
Korea Fertilizer & Chemicals Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	1994	3,888
Daelim Engineering Co., Ltd. Yukong Oxy Chemical Co., Ltd. Ulsan Plant	B-C Oil Fired Heater	1994	1,655
Daelim Engineering Co., Ltd. Ssangyong Oil Refining Co., Ltd. Ulsan Factory	B-C Oil Fired Heater (U.D.C)	1994	2,908

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Sunkyong Industries Co., Ltd. Suwon Plant	Dowtherm Boiler (B-C Oil)	1994	486 x 2
Sunkyong Industries Co., Ltd. Ulsan Plant	Dowtherm Boiler (B-C Oil)	1994	895
Daelim Engineering Co., Ltd. Daelim Industrial Co., Ltd. Yochon Plant	B-C Oil Fired Boiler	1994	6,193 x 4
Daelim Engineering Co., Ltd. Honam Oil Refinery Co., Ltd. Yochon Plant	RFCCU CO Boiler	1995	16,660
Daewoo Heavy Industries Co., Ltd. Daewoo Auto-mobile Co., Ltd. Kunsan Plant T-Project	B-C Oil Fired Boiler	1994	752
Kumho Petrochemical Co., Ltd. Yochon Plant	B-C Oil Fired Boiler	1995	1,186 x 3
Sepoong Co., Ltd. Kunsan Factory	B-C Oil Fired Boiler	1994	2,069
Hansaem Co., Ltd. Ansan Factory	Waste Wood Fired Boiler	1994	350
Chosun Brewery Co., Ltd. Masan Factory	B-C Oil Fired Boiler	1994	3,430
Hankuk Paper Mfg. Co., Ltd. Onsan Factory	B-C Oil Fired Boiler	1995	3,000
Taesung Lumber Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1995	2,900
Chosun Brewery Co., Ltd. Youngdeungpo Factory	B-C Oil Fired Boiler	1994	1,788
Daelim Engineering Co., Ltd. Honam Oil Refinery Co., Ltd. Yochon Factory	B-C Oil Fired Heater	1994	775
Daehan Synthetic Fiber Co., Ltd. Kunsan Factory	B-C Oil Fired Boiler P-Xylene Project	1995	942
Hankuk Potassium Chemical Co., Ltd. Kunsan Factory	Boiler (B-C Oil + Wood)	1995	1,650
Daelim Engineering Co., Ltd. Honam Oil Refinery Co., Ltd. Yochon Factory	B-C Oil Fired Heater	1995	3,042 873
Hyundai Electric Industries Co., Ltd. Ichon Factory	B-C Oil Fired Boiler	1995	2,069
Hansol Paper Mfg. Co., Ltd. Taejeon Factory	B-C Oil Fired Boiler	1995	3,900
Hansol Forest Products Co., Ltd Limsan Factory	B-C Oil Fired Boiler	1995	2,073
Lucky Engineering Co., Ltd Lucky Goldstar Co., Ltd	B-C Oil Fired Boiler	1995	900 x 2
Baikyang Co., Ltd. Chunju Factory	B-C Oil Fired Boiler	1995	880

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Donghae Pulp Co., Ltd. Onsan Factory	#1, #2 Recovery Boiler	1995	3,456 x 2
Daewoo Corp. Daewoo Heavy Industries Co., Ltd. Taegu Dalseo Total Energy Supply	B-C Oil Fired Boiler	1995	4,208
Daewoo Heavy Industries Co., Ltd. Daewoo Auto-mobile Co., Ltd. Bupeong Factory J-100 Project	B-C Oil Fired Boiler	1995	1,251 x 2 505
Samkwang Aqua-Clean, Inc. Taegu Dalseo Total Energy Supply	B-C Oil Fired Boiler	1995	4,740 x 2
LG Engineering Co., Ltd. Babcock Enterprise Ssangyong Oil Refining Co., Ltd. Ulsan Factory	RFCCU CO Incinerator	1995	12,977
Daehan Pulp Co., Ltd. Cheongju Factory	B-C Oil Fired Boiler	1995	2,336
Hankuk Boiler Co., Ltd. Onyang Pulp Co., Ltd. Onyang Factory	B-C Oil Fired Boiler	1995	2,310
Daelim Royal Boiler Co., Ltd. Kohap Ltd. Ulsan Factory	B-C Oil Fired Boiler	1995	920
Samick Furniture Co., Ltd. Inchon Factory (Repair Work)	Waste Wood Fired Boiler	1995	-
Youngchang Music Instrument Manufacturing Corp. Inchon Factory (Removal Work)	Waste Wood Fired Boiler	1995	460
Hanssem Co., Ltd. Factory No. 5	Waste Wood Fired Boiler	1995	350
Samsung Heavy Ind. Co., Ltd. Thai Petrochemical Ind. Co., Ltd. Thailand	B-C Oil Fired Boiler	1996	2,826 x 2
Hansol Paper Co., Ltd. Cheonju Factory	B-C Oil Fired Boiler	1996	2,752
Research Cottrell Japan Co., Ltd. P.T Pakerin Indonesia	B-C Oil Fired Boiler	1996	7,055
Research Cottrell Japan Co., Ltd. P.T Suparma Indonesia	Boiler + Incinerator	1996	4,910
Hwaseong Boiler Co., Ltd. Hankook Tire Co., Ltd. Kumsan Factory	B-C Oil Fired Boiler	1996	2,115
Chusun Brewery Co., Ltd. Cheonju Factory	B-C Oil Fired Boiler	1996	2,970
Hansol Forem Co., Ltd. Asan Factory	B-C Oil Fired Boiler	1996	1,200

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
Asia Paper Mfg. Co., Ltd. Cheongwon Factory	B-C Oil Fired Boiler	1996	1,720
Sunkyong Industries Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	1996	1,588
Samkwang Aqua-Clean, Inc. Dongsuwon Total Energy Supply	B-C Oil Fired Boiler	1996	4,740 x 2
Samsung Heavy Ind. Co., Ltd. Dongsuwon Total Energy Supply	B-C Oil Fired Boiler	1996	4,267
Samsung General Chemical Co., Ltd. Daesan Factory	B-C Oil Fired Boiler	1996	3,877
Samsung Heavy Ind. Co., Ltd. Samsung General Chemical Co., Ltd. Daesan Factory	B-C Oil Fired Boiler	1996	3,720
Hankook Boiler Co., Ltd. Joil Paper Co., Ltd. Shiheung Factory	B-C Oil Fired Boiler	1996	2,157
Daelim Engineering Co., Ltd. Kohap Petrochemical Corp. Ulsan Factory	B-C Oil Fired Heater	1996	1,473
Sunkyong Eng. & Const. Co., Ltd. Yukong Oxichemical Ltd. EB/SM Ulsan Factory	B-C Oil Fired Heater	1996	3,201
Sunkyong Eng. & Const. Co., Ltd. Yukong Ltd., PX Ulsan Factory	B-C Oil Fired Heater	1996	3,655
Daelim Engineering Co., Ltd. Hanwha Energy Co., Ltd. Incheon Factory	B-C Oil Fired Heater	1996	1,426
Daelim Engineering Co., Ltd. Ssangyong Oil Refining Co., Ltd. SXC Ulsan Factory	B-C Oil Fired Heater	1997	4,914
Daelim Engineering Co., Ltd. Hyundai Oil Refinery Co., Ltd. HDO Daesan Factory	B-C Oil Fired Heater	1997	3,449
Samsung Heavy Ind. Co., Ltd. Samsung General Chemical Co., Ltd. Daesan Factory	B-C Oil Fired Boiler	1997	3,720
Samsung Heavy Ind. Co., Ltd. Hanhwa Chemical Co., Ltd. Yeochun Factory	B-C Oil Fired Boiler	1997	4,410
Samsung Heavy Ind. Co., Ltd. Samsung Fine Chemicals Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	1997	3,672
Kumho Shell Chemical Co., Ltd. Yochon Factory	Boiler (Thermal Transfer Fluid)	1997	1,414
Eagon Ind. Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1997	1,550
Seoan Alcohol Co., Ltd. Kunsan Factory	B-C Oil Fired Boiler	1997	931

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Takuma Co., Ltd. P.T Pakerin Indonesia	Boiler (Coal + Sludge)	1997	7,055
Dongyang Boiler Co., Ltd. Korea Zinc Co., Ltd. Onsan Plant	B-C Oil Fired Boiler	1998	1,755
Takuma Co., Ltd. P.T Pakerin Indonesia	Boiler (Coal + Sludge)	1998	3,860
Ube Techno Eng. Co. Kureha Chemical Co., Ltd. Japan	Boiler	-	-
Youngpoong Co., Ltd. Sukpo Refinery Plant	B-C Oil Fired Boiler	1998	921
HYeosung Ebara Environment Co., Ltd. HYeosung T & C Co., Ltd. Anyang Plant	B-C Oil Fired Boiler	1998	1,430
Con Products Korea Co., Ltd. Inchon Factory	B-C Oil Fired Boiler	1998	1,400
Kukdong Eng. & Const. Co., Ltd. Navy Headquarter Fire Drill Area, Ahsanman	Diesel Oil Fired Boiler	1999	831
Samkwang Aqua-Clean, Inc. Cheongju Total Energy Supply	B-C Oil Fired Boiler	1999	3,326 x 2
Hankook Yakulut Co., Ltd. Jincheon Factory	B-C Oil Fired Boiler	1999	450
Korea District Heating Corp. Bundang Total Energy Supply	B-C Oil Fired Boiler	1999	2,120 x 2
Korea District Heating Corp. Ilsan Total Energy Supply	B-C Oil Fired Boiler	1999	2,120 x 2
Korea District Heating Corp. Anyang Total Energy Supply	B-C Oil Fired Boiler	1999	2,120 x 2
Korea District Heating Corp. Bucheon Total Energy Supply	B-C Oil Fired Boiler	1999	2,120 x 2
Hankook Tier Co., Ltd. Taejeon Factory	B-C Oil Fired Boiler	2000	2,021
Taekwang Ind. Co., Ltd. Ulsan Factory	B-C Oil Fired Boiler	2000	1,991
Shinho Paper Mfg. Co., Ltd. Pyeongtaek Factory (Transfer from Jinju to Pyeongtaek)	B-C Oil Fired Boiler	2000	2,021
Yoshimine Co., Ltd. Juken Sangyo Boiler Philippines	Waste Wood Fired Boiler	2000	310
SK Engineering & Construction Co., Ltd. Tema Oil Refinery(TOR) Ltd. Tema, Ghana	RFCC	2000	2,954

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Samsung Engineering Co., Ltd. Samsung Corning Co., Ltd.</b>	Diesel Generator	2000	<b>1,497</b>
<b>Daewoo Heavy Industries Co., Ltd. Korea District Heating Corp. Ansan Total Energy Supply</b>	B-C Oil Fired Boiler	2001	<b>5,964</b>
<b>Isu Chemical Co., Ltd.</b>	Hot Oil Heater	2001	<b>880</b>
<b>Dongwha Enterprise Co., Ltd.</b>	Wood Chip Boiler	2001	<b>1,000</b>
<b>Petro-Chem Korea Co., Ltd. S-Oil Corporation</b>	Heater	2002	<b>1,217</b>
<b>Samsung Everland Inc. Samsung Fine Chemicals Co., Ltd.</b>	Orimulsion Boiler(Extension)	2002	<b>4,317</b>
<b>Korea District Heating Corp. Bucheon Total Energy Supply (Extension)</b>	B-C Oil Fired Boiler	2002	<b>4,208</b>
<b>Dongwha Enterprise Co., Ltd.</b>	Wood Chip Boiler	2002	<b>1,200</b>
<b>Namhan Paper Co., Ltd.</b>	B-C Oil Fired Boiler	2003	<b>1,367</b>
<b>LG Engineering &amp; Construction Capro Corporation</b>	Recovery Boiler	2003	<b>2,119</b>
<b>Sunchang Corporation Inchon Factory-MDF Production</b>	Wood Chip Boiler	2003	<b>1,775</b>
<b>Dongsuh Foods Corporation Changwon Factory</b>	Spent Incinerator	2003	<b>1,200</b>
<b>Hyundai Heavy Industries Co., Ltd. Barbados Diesel Power Plant</b>	60 MW x 2 (Diesel Generator)	2004	<b>5,560</b>
<b>eTEC E&amp;C Limited Hanwha E&amp;C Corporation Kunjang Energy Co., Ltd. Kunsan</b>	B-C Oil Fired Boiler	2007	<b>2,182 x 2</b>

**2.1.5 Glass Plant EP**

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Korea Electric Glass Co., Ltd. Kumi Factory CRT Glass Furnace	Glass Melting Furnace	1979	1,400
Samsung Corning Co., Ltd. Suweon Factory	Panel Glass Melting Furnace	1982	3,170
Samsung Corning Co., Ltd. Suweon Factory	Funnel Glass Melting Furnace	1982	2,207
Pacific Development Corp. Suweon Factory	Glass Melting Furnace	1983	400
Hankook Glass Ind. Co., Ltd. Inchon Factory(Extension)	Glass Melting Furnace	1985	600
Jinro Glass Ind. Co., Ltd. Inchon Factory	Glass Melting Furnace	1986	980
Samsung Heavy Ind. Co., Ltd. Samsung Corning Co., Ltd. Suweon Factory Glass Melting Furnace No. 4	Panel Glass Melting Furnace	1986	4,035
Doosan Glass Ind. Co., Ltd. Kunsan Factory	Glass Melting Furnace	1986	682
Hankuk Electric Glass Co., Ltd. Kumi Factory Glass Melting Furnace No. 2	Glass Melting Furnace	1987	1,710
Korea Electric Glass Co., Ltd. Kumi Factory Glass Melting Furnace No. 3	Glass Melting Furnace	1988	1,192
Samsung Corning Co., Ltd. Suweon Factory Glass Melting Furnace No. 2 (Extension)	Funnel Glass Melting Furnace	1988	3,170
Samsung Corning Co., Ltd. Suweon Factory Glass Melting Furnace No. 2	Funnel Glass Melting Furnace	1988	1,585
Doosan Glass Ind. Co., Ltd. Kunsan Factory Glass Melting Furnace No. 2	Furnace Glass Melting Furnace	1988	682
Doosan Glass Co., Ltd. Kunsan Factory	Glass Melting Furnace	1989	255
Doosan Glass Co., Ltd. Kunsan Factory	Glass Melting Furnace	1990	872
Pacific Development Co., Ltd. Janghang Factory	Glass Melting Furnace	1990	815
Jinro Glass Ind. Co., Ltd. Yicheon Factory	Glass Melting Furnace	1990	783
Doosan Glass Co., Ltd. Kunsan Factory	Glass Melting Furnace	1991	1,870
Jinro Glass Ind. Co., Ltd.	Glass Melting	1991	554

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Onyang Factory Glass Melting Furnace No. 2	Furnace		
Doosan Glass Co., Ltd. Kihung Factory	Glass Melting Furnace	1991	737
Youngchang Music Instrument Manufacturing Corp. Incheon Factory	Furnace	1991	440
Pacific Industries Inc. Janghang Factory	Glass Melting	1992	716
Kofran Chemical Co. Onsan Factory	Glass Melting Furnace	1992	614
Hankuk Electric Glass Co., Ltd. Kumi Factory	NCP Furnace	1993	2,425
Hankuk Electric Glass Co., Ltd. Kumi Factory	C/L Panel	1993	1,710
Hankuk Electric Glass Co., Ltd. Kumi Factory	Glass Melting Furnace	1993	2,347
Kumbi Corp. Onyang Factory	Glass Melting Furnace	1993	4,053
Kumbi Corp. Ichon Factory	Glass Melting Furnace	1994	4,053
Pacific Industries Inc. Janghang Factory	Glass Melting Furnace	1994	815
Hankuk Electric Glass Co., Ltd. Kumi No. 2 Factory	Funnel Furnace Panel Furnace	1995	1,155 4,347x2
Hanil Glass Industries Co., Ltd. Osan Factory	Glass Melting Furnace	1995	975
Hankuk Electric Glass Co., Ltd. Kumi No. 3 Factory	Panel Furnace	1996	3,077 x 2
Doosan Packaging Materials Mfg Co., Ltd. Kunsan Factory (Retrofitting)	Glass Melting Furnace	1999	682
Doosan Packaging Materials Mfg. Co., Ltd. Kunpo Factory Transfer from Kiheung to Kunpo (Repair & Re-Erection)	Glass Melting Furnace	1999	737
Hankuk Electric Glass Co., Ltd. Kumi Factory Glass Melting Furnace No. 2	Glass Melting Furnace	1999	1,710
Doosan Corporation Techpack BG Kunsan Factory	Glass Melting Furnace	2004	1,258

### ***2.1.6 Incineration Plant EP***

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
ICC Corp. Pusan Factory	Incinerator 50TPD	1986	900
Hyundai Precision Ind. Co., Ltd.	Incinerator 30TPD	1988	437
Hankook Caprolactum Co.,Ltd. Ulsan Factory	Incinerator 90TPD	1988	1,545
Chonju Paper Mfg. Co., Ltd. Chonju Factory	Incinerator 70TPD	1988	1,155
Samnam Petrochemical Co., Ltd. Yocheon Plant	Incinerator 35TPD	1989	510
Kukjae Corp. Kimhae Factory	Incinerator 50TPD	1992	900
Lucky Development Co., Ltd. Daejeon Pilot Plant	Incinerator 40TPD	1992	670
Samsung Shipbuilding & Heavy Ind. Co., Ltd. Ilsan City Government	Municipal Waste Incinerator 300TPD	1993	2,808
Shinkang Paper Mfg. Co., Ltd. Jungju Factory	Incinerator 50TPD	1993	810
Sunglim Oil Chemical Co., Ltd. Ansan Plant	Incinerator #5 50TPD	1994	752
Pohang Iron & Steel Co., Ltd. Kwang Yang Steel Mill	Incinerator 80TPD	1995	1,328
Nu-Lake Co., Ltd. Onyang Pulp Co., Ltd. Onyang Factory	Incinerator 25TPD	1995	330
Shinwha Eng. & Const. Co., Ltd. PTG Ulsan Factory	Incinerator 40TPD	1996	689
Daejeong Jeonghap Plant Co., Ltd. Taeheung Environmental Company Kumi Factory	Incinerator 100TPD	1996	1,762
Sunglim Oil Chemical Co., Ltd. Ansan Plant	Incinerator #8 100TPD	1996	1,780
Shinho Corporation Shinjin Paper Co., Ltd. Kyeong San Factory	Incinerator 30TPD	1997	338
Sunglim Oil Chemical Co., Ltd. Ansan Plant	Incinerator #4 120TPD	1998	2,600
Hansol Paper Mfg. Co., Ltd. Chonju Factory (Repair Work)	Incinerator 70TPD	1998	1,155

## 2.2 Electrostatic Precipitator – Wet Type

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works TLC Slag Discharge Plant No. 1 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	1985	<b>3,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works TLC Slag Discharge Plant No. 2 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	1986	<b>5,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works TLC Slag Discharge Plant No. 1 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	1986	<b>3,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works Hot Strip Mill No. 2</b>	Hot Strip Mill	1986	<b>4,500</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works Hot Strip Mill No. 1</b>	Hot Strip Mill	1988	<b>2,000</b>
<b>Samsung Heavy Ind. Co., Ltd. Sammi Special Steel Co., Ltd. Changwon Factory</b>	Billet Casting Plant	1989	<b>2,000</b>
<b>Donghae Pulp Co., Ltd. Ulsan Factory</b>	Lime Re-burnt Rotary Kiln	1989	<b>722</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works TLC Slag Discharge Plant No. 3 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	1990	<b>3,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works Scarfer No. 2</b>	Scarfer M/C #4 Unit	1991	<b>2,500</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works TLC Slag Discharge Plant No. 4 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	1992	<b>6,000</b>
<b>Shinkang Paper Mfg. Co., Ltd. Jungju Factory (Vertical Flow, Hexagonal C.E)</b>	Incinerator	1993	<b>810</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works Hot Strip Mill No. 2</b>	Hot Strip Mill	1994	<b>5,000</b>
<b>Samsung Heavy Ind. Co., Ltd. Gwangyang Steel Works Thin Slab Casting &amp; Rolling Plant No. 1 (Mini Mill Plant No. 1)</b>	Thin Slab Casting & Rolling Machine	1995	<b>4,141</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works Finishing Mill No. 1</b>	Finishing Mill	1998	<b>7,100</b>
<b>Yongchang Eng. &amp; Const. Co., Ltd. Ssangyong Oil Refining Co., Ltd. Ulsan Factory (Vertical Flow, Hexagonal C.E)</b>	Incinerator	1998	<b>240</b>

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Gwangyang Steel Works Thin Slab Casting &amp; Rolling Plant No. 2 (Mini Mill Plant No. 2)</b>	Thin Slab Casting Rolling Plant	1999	<b>4,141</b>
<b>Dongyang Environment Co., Ltd. Taejeon Plant (Vertical Flow, C-FRP Plate C.E)</b>	Incinerator 80TPD	2000	<b>1,552</b>
<b>Dongwha Enterprise Co., Ltd. Incheon Factory (Vertical Flow)</b>	PB <sub>2</sub> Dryer	2001	<b>3,160</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works TLC Slag Discharge Plant No. 3 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	2001	<b>3,000</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works TLC Slag Discharge Plant No. 4 (Vertical Flow, Hexagonal C.E)</b>	TLC Slag Disposal System	2001	<b>6,000</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Stainless Auto-Cutting Plant No. 3</b>	STS TOM Fume Exhaust	2002	<b>2,000</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Gwangyang Steel Works Scarfer No. 1</b>	Scarfer M/C #2. Unit	2004	<b>4,000</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Gwangyang Steel Works Scarfer No. 2</b>	Scarfer M/C #4. Unit	2004	<b>4,000</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Gwangyang Steel Works Scarfer No. 2 (Repair &amp; Re-Move Work)</b>	Scarfer M/C #3. Unit	2004	<b>2,500</b>
<b>S-Oil S-Oil Co. Ltd. (Repair Work)</b>	Wet EP(EP-20502) B-C Cracking Center DeSOx	2004	<b>8,109</b>
<b>POSCO Gwangyang Steel Works Thin Slab Casting &amp; Rolling Plant No. 1 (Mini Mill plant No. 1, Internal part Exchange)</b>	Thin Slab casting	2005	<b>4,141</b>
<b>POSCO Gwangyang Steel Works Mini Mill (Repair Work)</b>	Hot Coil FM Process	2005	<b>3,500</b>
<b>POSCO Gwangyang Steel Works Scarfer No. 2</b>	Scarfer M/C #2 Unit	2007	<b>5,000</b>

## 2. 3 eBF (Electrostatic Bag Filter)

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Ssangyong Cement Co., Ltd. Yeongwol Factory</b>	<b>#5 Kiln</b>	<b>2003</b>	<b>11,340</b>
<b>Ssangyong Cement Co., Ltd. Yeongwol Factory</b>	<b>#3 Kiln</b>	<b>2004</b>	<b>8,730</b>
<b>Korea East-West Power Co., Ltd. Dangjin Thermal Power Plant</b>	<b>Lime Conveying Line</b>	<b>2007</b>	<b>252 x3</b>

## 2. 4 De-Tar ESP

DE-Tar ESP

DUST COLLECTION SYSTEM

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
POSCO Gwangyang Steel Works No.5,6 Continues Galvanizing Line	De-Tar ESP for COG	2004	157 x2

## 2. 5 FABRIC FILTER

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Inchon Iron & Steel Co., Ltd. Inchon Factory Electric Arc Furnace No. 3	Electric Arc Furnace		6,347
Dongyang Cement Corp. Samchock Factory	Alkali by Pass Kiln Process	1976	1,200
Korea Tungsten Mining Co., Ltd. Sangdong Mine APT Dryer	APT Collection	1976	430
Korea Tungsten Mining Co., Ltd. Sangdong Mine Blue Tungsten Refiner	Blue Tungsten Collection	1977	500
Korea Mining & Smelting Co., Ltd. Janghang Factory Zinc Refining Plant	Zinc Furnace	1978	864
Taehan Suger Ind. Co., Ltd. Inchon Feed Mill Plant	Raw Mt'L Silo	1978	250
Pohang Iron & Steel Co., Ltd. Pohang Steel Work Lime Calcining Plant No. 2	Lime Calcining	1980	155
Pohang Iron & Steel Co., Ltd. Pohang Steel Work Lime Calcining Plant No. 2	Lime Calcining	1980	100
Heatauda Cement Mfg. Co., Ltd. Cement Plant Nepal	Lime	1983	700
Heatauda Cement Cement Plant Nepal	Gypsum	1983	435
Sungshin Cement Ind. Co., Ltd. Tanyang Factory New NSP Plant No. 1	Raw Mt'L Grinding	1984	270
Sungshin Cement Ind. Co., Ltd. Tanyang Factory New NSP Plant No. 1	Raw Mt'L Grinding	1984	450
Sungshin Cement Ind. Co., Ltd. Tanyang Factory New NSP Plant No. 1	Pulverized Coal Bin	1984	150
Sungshin Cement Ind. Co., Ltd. Tanyang Factory New NSP Plant No. 1	Raw Mt'L Handling	1984	350
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Coke Plant No. 2 Coal Crusher No. 1, 2, 3 & 4	Coal	1984	2,300
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Electrical Steel Sheet Plant HCL Line	MgO	1984	1,000
Pohang Iron & Steel Co., Ltd. Pohang Steel Works	Coke	1984	950

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Coke Plant No. 2 Cutter No. 3			
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Coke Plant No. 2 Bunker No. 3	Coke	1984	850
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Blast Furnace Plant No. 1 Air Filter for Blast Furnace Fan	Fan Inlet Air Filter	1986	7,800
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Blast Furnace Plant No. 1 Blast Furnace Casthouse	Cast House Nuisance	1986	11,000
Poongsan Steel Maf. Co., Ltd. Poopyung Factory	Cast Furnace	1986	500
Korea Shipbuilding & Engineering Corp. Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Coke Plant No. 2	Charging Car	1987	80
Korea Shipbuilding & Engineering Corp. Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Coke Plant No. 2	Transfer Car	1987	83
Korea Shipbuilding & Engineering Corp. Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Coke Plant No. 2	Pusher	1987	333
China Steel Corp.	Filter House Coal Pulverizer	1987	560
Nippon Eng.	Bin Vent	1987	-
Korea Mining & Smelting Co., Ltd. Janghang Factory Zinc Refining Plant	Zinc Furnace	1988	1,400
Pohang Iron & Steel Co., Ltd. Pohang Steel Works New Foundry Pig Iron Blast Furnace Air Filter for Pig Iron Blast Furnace Fan	Air Filter For New Foundry Pig Iron Blast Furnace Fan	1989	2,500
Samsung Heavy Ind. Co., Ltd. Sammi Special Steel Co., Ltd. Changwon Factory	EAF/LF De-dusting System	1989	12,000
Samsung Heavy Ind. Co., Ltd. Sammi Special Steel Co., Ltd. Changwon Factory	Billet Caster Conveyor De-dusting System	1989	750
Samhan Corp. Sammi Special Steel Co., Ltd. Changwon Factory	Billet Caster Conveyor De-dusting System	1990	750 12,000
Pohang Iron & Steel Co., Ltd. Gwangyang Steel Works Blast Furnace Plant No. 3 Air Filter for Blast Furnace Fan	Fan Inlet Air Filter	1990	7,800

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Blowing Tower	1990	680
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Air Lift Separator	1990	834
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Nuisance	1990	200
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder	Nuisance	1990	85
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Nuisance	1990	70
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Nuisance	1990	64
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Base Powder Silo	1990	60
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Nuisance	1990	40
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Nuisance	1990	20
Aekyung Ind. Co., Ltd. Daejeon Factory N.S.D Powder Plant	Zeolite Dry Vessel & Recovered Powder Tipping	1990	17
Asia Cement Mfg. Co., Ltd. Jaechon Factory	K-4 A.Q.C (L-10)	1990	200
Asia Cement Mfg. Co., Ltd. Jaechon Factory	K-1 Coal Feeding	1990	-
Sungshin Cement Ind. Co., Ltd. Danyang Factory	Cement Mill Feeding	1991	6,750
Sokang Co., Ltd. Ansung Factory	Nuisance	1996	600 50
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Hansol Paper Co., Ltd.	Fabric Filter #1 Stock House for B.F & Blending Bin	1996	3,000
Korea Vetrotex Co., Ltd. Kunsan Factory	Furnace De-SOx & De-HCl Ash	1996	304
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Blast Furnace No. 1	Bag House for #1 Blast Furnace Source Material Bin Nuisance	1997	8,000
Sungshin Cement Ind. Co., Ltd. Danyang Factory	SS-6 Cement Mill	1997	7,500 x 3

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Stainless Steel Wax Cleaning House	Bag House for Wax Cleaning House Nuisance	1998	1,000
Samsung Corporation Haeundae MSW Incineration	Incinerator(Stoker) 200TPD x 2	1999	1,588 x 2
Pohang Iron & Steel Co., Ltd. Pohang Steel Works	Incinerator(Rotary Kiln) 100TPD	1999	980
Hyundai Eng. & Con. Co., Ltd. Kunpo MSW Incineration	Incinerator(Stoker) 200TPD	2000	1,568
POSCO Eng. Construction Co., Ltd. Gwangyang Steel Works Hot Strip Mill No. 1	Bag Filter for #1 Hot Strip Mill	2000	430
Samsung Heavy Industries Co., Ltd. Guri MSW Incineration	Incinerator(Stoker) 100TPD x 2	2001	800 x 2
POSCO Eng. Construction Co., Ltd. Pohang Steel Works Cokes Plant No. 2	Coke Oven	2001	5,153 x 2
POSCO Machinery & Eng. Co., Ltd. Pohang Steel Works Cold Mill R/S Dull Machine No. 1	Bag Filter for #1 Cold Mill	2001	250
Pohang Iron & Steel Co., Ltd. Pohang Steel Works Steel Plate Plasma Cutting Plant No. 2	Bag Filter for #1 Cold Mill Cutting Machine	2002	500
Pohang Eng. & Construction Co., Ltd. Pohang Steel Works Limestone Calcination S/K Plant No. 1 & 2	Bag Filter for #1, 2 Limestone S/K Material Conveying Line	2002	550
Pohang Eng. & Construction Co., Ltd. Pohang Steel Works Limestone Calcination S/K Plant No. 1 & 2	Bag Filter for #1, 2 Limestone S/K Material Conveying Line	2002	800
Sungshin Cement Ind. Co., Ltd. Tanyang Factory	#5 Kiln	2003	13,625
Asia Cement Co., Ltd. Jechon Plant	#1Kiln	2003	5,417
Asia Cement Co., Ltd.	#3Kiln	2004	13,000
POSCO Pohang Steel Works Steel Manufacturing No. 2	Cleaning For Crane Upper Deck # 1 & 2 Unit	2004	80 x2
Sunglim Oil Chemical Co., Ltd. Ansan Plant	Incinerator (Rotary Kiln+Stocker) 144TPD	2004	4,190
POSCOENC Gwangyang Steel Works Blast Furnace Plant No. 2	#1 & 2 PCI Process	2005	500
POSCO Machinery & Eng. Co., Ltd. Pohang Steel Works Plate Mill Plant No. 2	Cold Leveller	2005	1,200
POSCO Eng. & Const. Co., Ltd. Pohang Steel Works Flat Rolled Magnetic Steel Sheet	HCL #2 Dust Collector	2005	1,400

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>POSCOENC Pohang Steel Works Finex-1.5MT Limestone Calcination R/K Plant</b>	Material Conveying Line	2006	<b>1,000</b>
<b>POSCOENC Pohang Steel Works Finex-1.5MT Limestone Calcination R/K Plant</b>	Limestone Process Line	2006	<b>1,300</b>
<b>POSCOENC Pohang Steel Works STS 400Class No. 1 Slag Cranking Plant</b>		2006	<b>3,500</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Limestone Plant (Finex Demon Station)</b>	Limestone for Finex #1	2006	<b>2,010</b>
<b>POSCO / Gwangyang Steel Mill Sinter Plant #1~4 (Flue Gas Cleaning System) Pulse Jet Type</b>	Sinter plant	2006	<b>34,040 x 4</b>
<b>Kawasaki / POSCO Gwangyang No. 1 Nickel Melting Plant</b>	Bag filter for Nickel Melting Process	2009	<b>5,530</b>
<b>POSCO E&amp;C / Yahata Steel Mill Asia Special Steel in Japan Reverse Jet Type</b>	Bag filter for EAF Process	2009	<b>16,000</b>
<b>POSCO / Gwangyang Steel Mill Sinter Plant #5 (Flue Gas Cleaning System) Pulse Jet Type</b>	Bag filter for Sinter plant	2010	<b>44,322</b>

## 2. 6 WET SCRUBBER

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Korea Tungsten Mining Co., Ltd. Talsung Refinery Roasting Furnace (Packing Type)</b>	FGD System	1975	<b>500</b>
<b>Korea Tungsten Mining Co., Ltd. Talsung Refinery Melting Furnace (Packing Type)</b>	FGD System	1975	<b>450</b>
<b>Korea Tungsten Mining Co., Ltd. Talsung Refinery Zinc Melting Pot (Packing Type)</b>	HCL Gas Absorption	1975	<b>350</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works TLC Slag Discharge Plant No. 1 (Turbulent Contact Adsorption Type)</b>	TLC Slag Disposal System	1985	<b>3,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works Slag Discharge Plant No. 1 TLC (Turbulent Contact Adsorption Type)</b>	TLC Slag Disposal System	1987	<b>3,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works TLC Slag Discharge Plant No. 3 (Turbulent Contact Adsorption Type)</b>	TLC Slag Disposal System	1989	<b>3,000</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works TLC Slag Discharge Plant No. 4 (Turbulent Contact Adsorption Type)</b>	TLC Slag Disposal System	1991	<b>6,000</b>
<b>Samsung Heavy Industries Co., Ltd. Gwangyang Steel Works Thin Slab Casting Plant No. 1 (Turbulent Contact Adsorption Type)</b>	Casting Machine	1996	<b>1,050 x 2</b>
<b>POSCO Eng.&amp; Const. Co., Ltd. Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Works Lime Calcination Rotary Kiln No. 1 &amp; 2 (Venturi Scrubbing Type)</b>	Lime Calcination Rotary Kiln	1999	<b>2,083</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Works Hot Strip Mill Plant No. 2 (Venturi Scrubbing Type)</b>	Fume Exhaust System	2000	<b>1,600</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Finex Demonstration Plant (Venturi Scrubbing Type)</b>	Vent Gas System	2003	<b>279 x 2</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Finex Demonstration Plant (Venturi Scrubbing Type)</b>	Wet De-dusting System	2003	<b>1,155</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Finex Demonstration Plant (Venturi Scrubbing Type)</b>	HCl Transport De-dusting System	2003	<b>333</b>

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Limestone Calcination S/K Plant No. 1 &amp; 2 (Venturi Scrubbing Type)</b>	Lime Calcination Shaft Kiln	2003	<b>900 x 2</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Finex Demonstration Plant (Venturi Scrubbing Type)</b>	Wet Air Suction System	2003	<b>300</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Esfahan Steel Co., Esfahan Works Gas Cleaning Plant (Venturi Scrubbing Type)</b>	Utilizer Boiler	2004	<b>10,380 x 3</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Pohang Steel Works Finex Demonstration Plant (Venturi Scrubbing Type)</b>	HCl Scrubber	2004	<b>900</b>

## 2. 7 MECHANICAL CYCLONE COLLECTOR

Customer & Location	Application	Start-Up Date	Gas Vol. (Am <sup>3</sup> /min)
Miwon Co., Ltd. Kimpo Factory Plant No. 1	B-C Oil Fired Boiler	1977	30 T/h
Lucky Ltd. Tongnai Factory No. 1, 2 & 3	B-C Oil Fired Boiler	1977	17 T/h
Daekwang Metal Ind. Co., Ltd. Yongdongpo Factory	Al. Melting Furnace	1978	250
Korea Electronics Communication Co. Ltd. Kumi Plant	B-C Oil Fired Boiler	1978	12 T/h
Seoul City Government Bokwangdong Water Treatment Plant	B-C Oil Fired Boiler	1978	6 T/h
Dongah Publication Co., Ltd. Docksandong Factory	B-C Oil Fired Boiler	1979	3 T/h
Kolon Inc. Head Office	B-C Oil Fired Boiler	1979	11 T/h
Daewon Kangup Co., Ltd. Changwon Plant No. 1, 2 & 3	Annealing Furnace	1979	-
Taeyang Metal Co. Chonhodong Factory	B-C Oil Fired Boiler	1979	5 T/h
Hankook Tire Mfg. Co., Ltd. Yongdongpo Factory No. 1, 2, 3 & 4	B-C Oil Fired Boiler	1979	70 T/h
Whashin Renown Co., Ltd. Inchon Factory No. 1, 2 & 3	B-C Oil Fired Boiler	1979	21 T/h
Hyundai Heavy Ind. Co., Ltd. POSCO L.C.P #3	Gypsum Drying & Calcining	1989	1,733
PTINCO International Nickel Project 105 Indonesia	Kiln-Off Gas	1989	8,150
Sunchang Ind. Co., Ltd. Inchon Factory	Waste Wood Fired Boiler	1990	950
Hankuk Potassium Chemical Co., Ltd. Kunsan Factory	Boiler (B-C Oil + Wood)	1995	1,650
KEPHILCO Malaya Thermal Power Plant Unit No. 1 Philippines	300 MW B-C Oil Fired Boiler	1996	29,121
KEPHILCO Malaya Thermal Power Plant Unit No. 2 Philippines(Repair Work)	350 MW B-C Oil Fired Boiler	1997	30,555
KEPHILCO Malaya Thermal Power Plant Unit No. 1 Philippines(Repair Work)	300 MW B-C Oil Fired Boiler	1997	29,121

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Babcock Enterprise Quang Ngai Sugar Corporation Vietnam</b>	Boiler (Coal + Sugar Cane)	1999	<b>3,538</b>
<b>Sugahara Co., Ltd. NSC Kimitsu Steel Works, Japan, Cooler Gas of Sinter Plant No. 1 &amp; 2</b>	Sinter Machine	2002	<b>10,855</b>

**2. 8 EXHAUST FUME COLLECTOR**

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Zhangjiagang Stainless Steel Works, China Stainless Cold Rolled Mill Plant No. 2 (Unit No. 3 &amp; 4)</b>	Cold Rolled Mill	2003	<b>2,000 x 2</b>
<b>POSCO Eng. &amp; Const. Co., Ltd. Qingdao Stainless Steel Works, China Stainless Cold Rolled Mill Plant No. 1 (Unit No. 1 &amp; 2)</b>	Cold Rolled Mill	2004	<b>2,000 x 2</b>

## 2. 9 FLUE GAS CONDITIONING SYSTEM

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Gas Vol. (Am<sup>3</sup>/min)</b>
<b>Korea Electric Power Corp. Ulsan Thermal Power Plant Unit No. 4, 5 &amp; 6 (NH<sub>3</sub> Injection System)</b>	400 MW x 3 B-C Oil Fired Boiler	1987	<b>30,000</b>
<b>Taiwan Power Company Hsinta Thermal Power Station Unit No. 1 &amp; 2 (SO<sub>3</sub> Injection System)</b>	500 MW x 2 Coal Fired Boiler	1992	<b>50,800</b>
<b>Taiwan Power Company Talin Thermal Power Station Unit No. 3 &amp; 4 (NH<sub>3</sub> Injection System)</b>	375 MW x 2 B-C Oil Fired Boiler	1992	<b>28,167</b>
<b>Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 3, 4, 5 &amp; 6 (SO<sub>3</sub> Injection System)</b>	500 MW x 4 Coal Fired Boiler	1992	<b>44,317</b>
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Mill Unit No. 2 Sinter Plant (SO<sub>3</sub> Injection System)</b>	Sinter Machine Process	1992	<b>18,000</b>
<b>Korea Electric Power Corp. Samcheonpo Thermal Power Plant Unit No. 3 &amp; 4 (SO<sub>3</sub> Injection System)</b>	560 MW x 2 Coal Fired Boiler	1992	<b>48,154 x 2</b>
<b>Korea Electric Power Corp. Samcheonpo Thermal Power Plant Unit No. 1 &amp; 2 (SO<sub>3</sub> Injection System)</b>	560 MW x 2 Coal Fired Boiler	1995	<b>48,154 x 2</b>

## 2. 10 SPRAY COOLING TOWER

Customer & Location	Application	Start-Up Date	Quantity
<b>Korea Electric Glass Co., Ltd. Kumi Factory CRT Glass Furnace (Return Line Pressure Control)</b>	Glass Melting Furnace	1979	<b>1,400</b>
<b>Samsung Corning Co., Ltd. Suweon Factory (Return Line Pressure Control)</b>	Panel Glass Melting	1982	<b>3,170</b>
<b>Samsung Corning Co., Ltd. Suweon Factory (Return Line Pressure Control)</b>	Funnel Glass Melting	1982	<b>2,207</b>
<b>Pacific Development Corp. Suweon Factory (Return Line Pressure Control)</b>	Glass Melting Furnace	1983	<b>400</b>
<b>Hankook Glass Ind. Co., Ltd. Inchon Factory(Extension) (Return Line Pressure Control)</b>	Glass Melting Furnace	1985	<b>600</b>
<b>Jinro Glass Ind. Co., Ltd. Inchon Factory (Return Line Pressure Control)</b>	Glass Melting Furnace	1986	<b>980</b>
<b>Samsung Heavy Ind. Co., Ltd. Samsung Corning Co., Ltd. Suweon Factory Glass Melting Furnace No. 4 (Return Line Pressure Control)</b>	Panel Glass Melting Furnace	1986	<b>4,035</b>
<b>Doosan Glass Ind. Co., Ltd. Kunsan Factory (Return Line Pressure Control)</b>	Glass Melting Furnace	1986	<b>682</b>
<b>Hankuk Electric Glass Co., Ltd. Kumi Factory Glass Melting Furnace No. 2 (Return Line Pressure Control)</b>	Glass Melting Furnace	1987	<b>1,710</b>
<b>Hanil Cement Mfg. Co., Ltd. Danyang Plant Kiln No. 4 (SONIC System)</b>	Kiln	1987	<b>9,100</b>
<b>Korea Electric Glass Co., Ltd. Kumi Factory Glass Melting Furnace No. 3 (Return Line Pressure Control)</b>	Glass Melting Furnace	1988	<b>1,192</b>
<b>Samsung Corning Co., Ltd. Suweon Factory Glass Melting Furnace No. 2 (Extension) (Return Line Pressure Control)</b>	Funnel Glass Melting Furnace	1988	<b>3,170</b>
<b>Samsung Corning Co., Ltd. Suweon Factory Glass Melting Furnace No. 2 (Return Line Pressure Control)</b>	Funnel Glass Melting Furnace	1988	<b>1,585</b>
<b>Doosan Glass Ind. Co., Ltd. Kunsan Factory Glass Melting Furnace No. 2 (Return Line Pressure Control)</b>	Glass Melting Furnace	1988	<b>682</b>

Customer & Location	Application	Start-Up Date	Quantity
<b>Asia Cement Mfg. Co., Ltd.</b> <b>Jaechon Factory</b> <b>Kiln No. 4</b> (Return Line Pressure Control)	Kiln	1989	<b>11,873</b>
<b>Doosan Glass Co., Ltd.</b> <b>Kunsan Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1989	<b>255</b>
<b>Dongyang Cement Corp.</b> <b>Samcheok Plant</b> <b>Kiln(Retrofitting) No. 3</b> (SONIC System)	Kiln	1990	<b>3,000</b>
<b>Doosan Glass Co., Ltd.</b> <b>Kunsan Factory</b>	Glass Melting Furnace	1990	<b>872</b>
<b>Pacific Development Co., Ltd.</b> <b>Janghang Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1990	<b>815</b>
<b>Jinro Glass Ind. Co., Ltd.</b> <b>Yicheon Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1990	<b>783</b>
<b>Doosan Glass Co., Ltd.</b> <b>Kunsan Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1991	<b>1,870</b>
<b>Jinro Glass Ind. Co., Ltd.</b> <b>Onyang Factory</b> <b>Glass Melting Furnace No. 2</b> (Return Line Pressure Control)	Glass Melting Furnace	1991	<b>554</b>
<b>Doosan Glass Co., Ltd.</b> <b>Kihung Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1991	<b>737</b>
<b>Youngchang Music Instrument Manufacturing Corp.</b> <b>Incheon Factory</b> (Flow Rate Control)	Furnace	1991	<b>440</b>
<b>Pacific Industries Inc.</b> <b>Janghang Factory</b> (Return Line Pressure Control)	Glass Melting	1992	<b>716</b>
<b>Kofran Chemical Co.</b> <b>Onsan Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1992	<b>614</b>
<b>Hankuk Electric Glass Co., Ltd.</b> <b>Kumi Factory</b> (Return Line Pressure Control)	NCP Furnace	1993	<b>2,425</b>
<b>Hankuk Electric Glass Co., Ltd.</b> <b>Kumi Factory</b> (Return Line Pressure Control)	C/L Panel	1993	<b>1,710</b>
<b>Hankuk Electric Glass Co., Ltd.</b> <b>Kumi Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1993	<b>2,347</b>
<b>Kumbi Corp.</b> <b>Onyang Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1993	<b>4,053</b>

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Quantity</b>
<b>Kumbi Corp. Ichon Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1994	<b>4,053</b>
<b>Pacific Industries Inc. Janghang Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1994	<b>815</b>
<b>Hanil Cement Mfg. Co., Ltd. Danyang Plant Kiln No. 3</b> (Return Line Pressure Control)	Kiln	1995	<b>14,933</b>
<b>Hankuk Electric Glass Co., Ltd. Kumi Factory No. 2</b> (Return Line Pressure Control)	Funnel Furnace Panel Furnace	1995	<b>1,155</b> <b>4,347</b> <b>x 2</b>
<b>Hanil Glass Industries Co., Ltd. Osan Factory</b> (Return Line Pressure Control)	Glass Melting Furnace	1995	<b>975</b>
<b>Hankuk Electric Glass Co., Ltd. Kumi Factory No. 3</b> (Return Line Pressure Control)	Panel Furnace	1996	<b>3,077</b> <b>x 2</b>
<b>Doosan Packaging Materials Mfg Co., Ltd. Kunsan Factory</b> (Retrofitting) (Return Line Pressure Control)	Glass Melting Furnace	1999	<b>682</b>
<b>Doosan Packaging Materials Mfg. Co., Ltd. Kunpo Factory</b> Transfer from Kiheung to Kunpo (Repair & Re-Erection) (Return Line Pressure Control)	Glass Melting Furnace	1999	<b>737</b>
<b>Hankuk Electric Glass Co., Ltd. Kumi Factory</b> Glass Melting Furnace No. 2 (Return Line Pressure Control)	Glass Melting Furnace	1999	<b>1,710</b>

### 3. INCINERATION SYSTEM

Customer & Location	Application	Start-Up Date	Quantity
KCES Yeocheon Plant	Incinerator (Rotary Kiln + Stocker) 50 TP/D	2002	<b>2,370</b>
Sunglin Oil Chemical Co., Ltd. Ansan Plant	Incinerator (Rotary Kiln + Stocker) 148 TP/D	2004	<b>6,444</b>

## 4. ASH HANDLING SYSTEM

Customer & Location	Application	Start-Up Date	Quantity
<b>Tokai Kyotdo Electric Power Corp.</b> Japan (Vacuum Type)	ESP for 145 MW (Coal & Oil)	1989	16.2 t/hr
<b>Korea Electric Power Corp.</b> Yeosu Thermal Power Plant ESP Unit No. 1 & 2 (Vacuum Type)	ESP for 200 MW x 1 300 MW x 1 B-C Oil Fired Boiler	1990	1,000 kg/hr 1,560 kg/hr
<b>Asia Cement Mfg Co., Ltd.</b>	R-4	1992	5,417
<b>Dong Hea Pulp co., Ltd.</b> Onsan Factory Korea	B.K.P	1992	3,924
<b>Sungshin Cement Ind. co., Ltd.</b> Dangyang Plant Korea	K-1 A,Q,C	1992	12,290
<b>Taiwan Power Company</b> Talin Steam Power Station Unit No. 3 & 4 (Vacuum Type)	ESP for 200 MW x 2 B-C Oil Fired Boiler with NH <sub>3</sub>	1992	650 kg/hr x 2
<b>Sungshin Cement Ind. co., Ltd.</b> Dangyang Plant Korea	RAW MILL No. 6	1993	11,500
<b>Taiwan Power Company</b> Shen-Ao Steam Power Station Unit No. 1, 2 & 3 (Pressure Type)	ESP for 75 MW 125 MW 200 MW Coal Fired Boiler	1993	12 t/hr 20 t/hr 28 t/hr
<b>Korea Electric Power Corp.</b> Boryeong Thermal Power Plant Unit No. 1 & 2 (Ash Sluicing Type)	Air Preheater 500 MW x 2 Coal Fired Boiler	1994	18 t/hr x 2
<b>Yochon Chemical Plant, Korea</b> Honam Oil Refinery Co., Ltd.	ESP for Oil & Catalyst Ash	1995	1000 kg/hr
<b>Hankuk Electric Glass Co., Ltd.</b> Gumi 2nd	B-C	1995	4,347
<b>Sungshin Cement Ind. Co., Ltd.</b> Dangyang Plant Korea	Cooler No. 2	1995	11,445
<b>Daelim Engineering Co., Ltd.</b> Honam Oil Refinery Co., Ltd. Yochon Plant (Vacuum Type)	ESP for RFCCU CO Boiler	1996	1,000 kg/hr
<b>Byucksan Eng. &amp; Const. Co., Ltd.</b> Byucksan Energy Co., Ltd. Iksan Factory (Vacuum Type)	ESP for 75 MW Boiler (Coal & Oil)	1996	50 t/hr
<b>Korea Electric Power Corp.</b> Youngnam Thermal Power Plant Unit No. 2 (Vacuum Type)	ESP for 200 MW B-C Oil Fired Boiler	1996	500 kg/hr
<b>Tokuma Co., Ltd. Japan</b> PT.Pakerin, Surabaya Works, Indonesia Indonesia Takuma	Coal & Sludge	1996	3,860
<b>Takuma Co., Ltd. Japan</b> PT.Pakerin, Surabaya Works, Indonesia	Coal & Sludge	1996	7,055

Customer & Location	Application	Start-Up Date	Quantity
<b>Indonesia Takuma</b>			
Byucksan Energy Co., Ltd. Iksan Cogeneration Power Station Korea	Coal & Sludge	1996	156,371
Takuma Co., Ltd. Japan PT.Pakerin, Surabaya Works, Indonesia Indonesia Takuma	Coal & Sludge	1996	4,910
Mitsui & Co., Ltd. Ssangyong Oil Refinery Co., Ltd. Onsan Plant (Vacuum Type)	ESP for FCC CO Boiler	1997	375 kg/hr
Korea Electric Power Corp. Ulsan Thermal Power Plant Unit No. 4, 5 & 6 (Vacuum Type)	ESP for 400 MW x 3 B-C Oil Fired Boiler	1997	1,200 kg/hr x 3
Ssangyong Oil Refinery Co., Ltd. Onsan Plant	E.S.P	1997	357 Kg/hr
Sungshin Cement Ind. Co., Ltd. Dangyang Plant	Cement	1998	10,370
Korea Electric Power Corp. Samcheonpo Thermal Power Plant Unit No. 1 & 2 (Pressure Type)	ESP for 560MW x 2 Coal Fired Boiler	1999	43 t/hr x 2
Korea Southern Power Co., Ltd. Youngnam Thermal Power Plant Unit No. 1 & 2	E.S.P Orimulsion Ash	2002	1.5 TPH x 2
Korea Southern Power Co., Ltd. Samchunpo Thermal Power Plant Unit No. 1 & 2	Fly Ash	2002	90 TPH
Korea Midland Power Co., Ltd. Jeju Thermal Power Plant Diesel Generator Plant	ESP Fly Ash	2005	1.656 TPH
Korea East-West Power Co., Ltd. Dangjin Thermal Power Plant Unit No. 5 & 6	Bottom & Fly Ash System 500MW x 2	2005~ 2006	25/72 TPH x 2
JGC Corporation Lodge Sturtevant Limited Dung Quai Oil Refinery In Vietnam	Fly Ash	2006	200 kg/hr
Seentec Co.,Ltd. Coral Bay Nickel HPP-2 Project Rio Tuba in Palawan Island, Philippine	Fly Ash	2006	105 TPH
Korea Midland Power Co., Ltd. Boryeong Thermal Power Plant Unit No. 7 & 8	ESP + Bottom Ash 500MW x 2	2007~ 2008	3,740 kg/hr x 2
Taiwan Power Company Hsinta Power Plant Unit No. 1 & 2	Fly Ash 500MW x 2	2008	93,210 kg/hr x 2

## 5. DAMPERS & EXPANSION JOINT

Customer & Location	Application	Start-Up Date	Quantity
<b>Korea Electric Power Corp. Boryeong Thermal Power Plant Unit No. 1 &amp; 2</b> (Guillotine Damper)	500 MW x 2 Coal Fired Boiler	1983	4
<b>Korea Electric Power Corp. Yeosu Thermal Power Plant Unit No. 1 &amp; 2</b> (Louver Damper)	200 MW B-C Oil Fired Boiler	1990	8
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Mill TLC Slag Discharge Plant No. 3</b> (Guillotine Damper)	TLC Slag	1990	1
<b>Pohang Iron &amp; Steel Co., Ltd. Gwangyang Steel Mill TLC Slag Discharge Plant No. 4</b> (Guillotine Damper)	TLC Slag	1992	1
<b>Taiwan Power Company Talin Steam Power Station Unit No. 3 &amp; 4</b> (Guillotine Damper)	375 MW x 2 B-C Oil Fired Boiler	1992	6
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Mill Sinter Plant No. 3</b> (Guillotine Damper)	Sinter	1994	2
<b>Pohang Iron &amp; Steel Co., Ltd. Pohang Steel Mill Sinter Plant No. 2</b> (Guillotine Damper)	Sinter	1994	1
<b>Daelim Engineering Co., Ltd. Honam Oil Refinery Co., Ltd. Yochon Plant</b> (Louver Damper)	RFCCU CO Boiler	1995	2
<b>Daelim Engineering Co., Ltd. Honam Oil Refinery Co., Ltd. Yochon Plant</b> (Louver Damper)	P-Xylene Heater	1995	3
<b>Daehan Synthetic Fiber Co., Ltd. Ulsan Factory</b> (Louver Damper)	B-C Oil Fired Boiler	1995	4
<b>Taekwang Ind. Co., Ltd. Ulsan Factory</b> (Louver Damper)	B-C Oil Fired Boiler	1995	2
<b>Dongkuk Synthetic Co., Ltd. Ulsan Factory</b> (Louver Damper)	B-C Oil Fired Boiler	1995	4
<b>Byucksan Eng. &amp; Const. Co., Ltd. Byucksan Energy Co., Ltd. Iksan Co-Generation Plant</b> (Louver Damper)	35 MW Coal Fired Boiler	1996	7
<b>Korea Vetrotex Co., Ltd. Kunsan Factory</b> (Guillotine, Louver, Poppet & Butterfly Damper)	Glass Melting(Furnace) 60TPD	1996	12

Customer & Location	Application	Start-Up Date	Quantity
<b>Hankuk Electric Glass Co., Ltd.</b> <b>Kumi Factory</b> (Louver Damper)	Glass Melting Furnace	1997	20
<b>Samsung Corning Co., Ltd.</b> <b>Suwon Factory</b> (Guillotine Damper)	Glass Melting Furnace	1997	2
<b>Daelim Engineering Co., Ltd.</b> <b>Hanwha Energy Co., Ltd.</b> <b>Incheon Factory</b> (Guillotine, Stack Wafer & Butterfly Damper)	B-C Oil Heater	1997	10
<b>Kumho Shell Chemical Co., Ltd.</b> <b>Yocheon Factory</b> (Guillotine, Single Louver Damper & Wafer)	Boiler (Thermal Transfer Fluid)	1997	4
<b>Samsung Corning Co., Ltd.</b> <b>Suwon Factory</b> (Low Leakage Guillotine Damper)	Glass Melting Furnace	1998	1
<b>POSCO Eng. &amp; Const. Co., Ltd.</b> <b>Gwangyang Steel Works</b> <b>Blast Furnace No. 5</b> (Single Louver Damper & Wafer)	Suction Hood	1998	159
<b>Samsung Corning Co., Ltd.</b> <b>Suwon Factory</b> (Low Leakage Guillotine Damper)	Glass Melting Furnace	1998	2
<b>Halla Paper &amp; Pulp Co., Ltd.</b> <b>Suwon Factory</b> (Louver Damper)		1998	3
<b>Korea Electric Power Corp.</b> <b>Dangjin Thermal Power Plant</b> <b>Unit No. 1, 2, 3 &amp; 4</b> (Zero Leakage Guillotine & Double Louver Damper)	FGD Process for 500 MW x 4 Coal Fired Boiler	1999	24
<b>NKK Corporation, Japan</b> <b>Alexandrial National Iron &amp; Steel, Egypt</b> (Butterfly Damper)	EAF	1999	4
<b>Hankuk Electric Glass Co., Ltd.</b> <b>Kumi Factory</b> (Low Leakage Guillotine Damper)	Glass Melting Furnace	1999	3
<b>Samsung Corporation</b> <b>Haeundae MSW Incineration</b> (Guillotine, Louver, Poppet Damper)	Incinerator (Stoker) 200TPD	1999	20
<b>Hyundai Eng. &amp; Con. Co., Ltd.</b> <b>Kunpo MSW Incineration</b> (Guillotine, Louver, Poppet Damper)	Incinerator (Stoker) 200TPD	1999	12
<b>Ishikawajima-Harima Heavy Ind. Co., Ltd.</b> <b>Taiwan Power Company</b> <b>Hsin-ta Steam Power Station</b> <b>Unit No. 3 &amp; 4</b> (Zero Leakage Guillotine & Double Louver Damper)	FGD Process for 500 MW x 2 Coal Fired Boiler	1999	12
<b>Hyundai Heavy Industries Co., Ltd.</b> <b>Haripur CCPP, AES</b> (Stack Damper)	HRSB	2000	1
<b>LG Petrochemical Co., Ltd.</b> <b>GTG No. 2</b> (Low Leakage Guillotine & Single Louver Damper)	GTG	2000	11

Customer & Location	Application	Start-Up Date	Quantity
SK Oxichemical Co., Ltd. Ulsan (Non-Metalic)	Expansion Joint	2000	4
SK Engineering & Construction Co., Ltd. Tema Oil Refinery(TOR) Ltd. Tema, Ghana (Zero Leakage Guillotine Damper)	RFCC	2000	3
Effox Inc Millmerran Power Project	Pulverized Coal Fired Steam Generator	2000	84
LG Petrochemical Co., Ltd. GTG No. 2	GTG	2000	2
Sam Whan Corporation Chongju District Heating FGD Plant	FGD	2000	15
Sepoong Corporation	Boiler	2000	4
Sepoong Corporation	Boiler	2000	8
Hyundai Heavy Industries Co., Ltd. Meghnaghat CCPP, AES	HRSBG	2000	2
Samsung Fine Chemicals	FGD	2001	2
Samsung Fine Chemicals DM-701D & DM-701F Damper Project (Zero Leakage Guillotine Damper)	GTG	2002	2
Dae Woo E&C Co., Ltd. Ulsan Thermal Power Plan Unit 4, 5 & 6	FGD(De-NOx)	2002	6
CETIC International Tendering Co., Ltd. Beijing First Cogeneration Power Plant	FGD	2002	1
LG Petrochemical Co., Ltd.	GTG	2002	1
Hae Cheon Industrial Co., Ltd. ASAHI Glass Engineering Co., Ltd. Kunsan Factory	Boiler	2002	5
Samsung Fine Chemicals	FGD	2003	1
DongKuk Eng & Const. Co., Ltd. DongKuk Steel Mill Co., Ltd. Incheon & Pohang Steel Works. Convert Furnace (Louver, Double Flap & Guillotine Damper)	Convert Furnace	2003	24
Samsung Everland Inc. Yeochun NCC Co., Ltd. (Louver, Double Flap & Guillotine Damper)	GTI #1	2006	42
Gwang Yang Sinter Plant POSCO E&C (Tandem, Louver, Poppet)	Sinter Plant	2006	312
Petro – Chem Thai Project Petro. USA (Stack Damper)	Boiler	2006	4
Ha – dong Unit 7&8 FGD System Dae Woo E&C Co., Ltd. (Tandem & Double Louver)	FGD	2007	10

<b>Customer &amp; Location</b>	<b>Application</b>	<b>Start-Up Date</b>	<b>Quantity</b>
<b>Gwang Yang Sinter Plant POSCO E&amp;C (Round Damper)</b>	Sinter Plant	2007	<b>8</b>



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