

PROJECT EXPERIENCE (Analyzer System)

Year	End User	Project/Item	Item Description	Industry	Business Area Code	Country
2019	SK E&C	PTT GC – PY	Analyzer Package w/ Shelter, 2 sets	Petrochemical	A	Thailand
2018	LG MMA	LG MMA M3 Revamping Project	Analyzer Package w/ Shelter, 1 set	Petrochemical	A	Korea
2018	JGC Corporation	Muara Krang Power Plant Project	3-Side Shelter /w GC 1 set	Power Plant	A	Indonesia
2018	ORPIC	LPIC Project	Analyzer Package with 15 set of Shelter	Oil Refining	A	Oman
2018	Hanwha Total	NCC Side Cracker	Analyzer Package with 5 set of Shelter	Petrochemical	A	Korea
2017	Lotte Chemical	TE-3 Project	Analyzer Package with 7 set of Shelter	Petrochemical	A	Malaysia
2016	Korea Petrochemical Industry	KPIC-ONE Project	Analyzer Package with Shelter	Petrochemical	A	Korea
2016	State Oil Company of Azerbaijan Republic	Ammonia and Urea Complex	CEMS System	Oil Refining	A	Azerbaijan
2016	State Oil Company of Azerbaijan Republic	Ammonia and Urea Complex	Analyzer Package with Shelter	Oil Refining	A	Azerbaijan
2016	Sembcorp Cogen Pte Ltd	Energy From Waste (EFW)	CEMS System	Petrochemical	A	Singapore
2016	Petronas	Floating LNG 2 Project	GC Analyzer System with 11 set of 3-side Shelter	Oil Refining	A	Malaysia
2016	Hyundai Oilbank	MX EPC Project	1 set of Analyzer shelter, Etc.,	Petrochemical	A	Korea
2016	YNCC	C5 Separation Project	14 set of GC with 2 set of Analyzer Shelter	Petrochemical	A	Korea
2015	POSCO	STS #2 APF H2O2 Analyzer System	H2O2 Analyzer System	Iron & Steel	A, C	Korea
2015	YNCC	OCU Project	GC, Moisture, CO/CO2, O2, THC Analyzer System	Petrochemical	A	Korea
2015	Minera Panama S.A	PACO Power Plant	CEMS	Power Plant	A	Panama
2015	PMP Co.	Jangmun CCCP Project	USM Flow Metering System, GC Analyzer System	Power Plant	M, A	Korea
2014	Hyundai Oilbank	#1 LBO Project	H2/H2S/Viscosity/pH/Cl Sampling	Oil Refining	A	Korea
2014	KOGAS	Pyungtaek LNG Terminal II	Flow Metering, GC Panel, Meter Tube	Gas	M, A	Korea
2014	PTT	PTT WHRS CEMS	CEMS/SCR Sampling	Oil & Gas	A	Thailand
2014	PTT Global Chemical	Heavy Gas Conversion	GC, pH/Cond Analyzer System	Oil & Gas	A	Thailand
2014	PTT Phenol Company	PTT Phenol Train II	GC/O2/H2SO4/Moisture/pH/Oil in Water/VOC Analyzer System	Oil & Gas	A	Thailand
2014	Kuraray America	PVA 1st Line Project	GC/NIR Sampling System	Chemical	A	USA
2014	UGCC	UGCC	pH/Cond Analyzer System	Gas	A	Uzbekistan
2014	PTT ELK	Khao Bo Ya LPG Terminal Analyzer System	GC Analyzer System	Gas	A	Thailand
2014	Hyundai Oilbank	UG Blending System	NIR Sampling System	Oil Refining	A	Korea
2014	YNCC	Factory #1,2,3,4 Sampling System	GC Sampling System	Petrochemical	A	Korea
2014	KOGAS	Pyeongtaek LNG Terminal II Metering	LNG Metering Panel & Piping (Meter Run)	Gas	M, A	Korea
2013	POSCO	Analyzer System Revamping	NIR/H2O2 Analyzer System	Iron & Steel	A, C	Korea

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2013	POSCO	POSCO NIR Revamping	NIR/H2O2 Analyzer System	Iron & Steel	A, C	Korea
2013	Hyundai Oilbank	HDO FBC #9 Boiler	O2/Nox/NH3 Analyser System	Oil Refining	A	Korea
2013	Samsung Total	Samsung Total SWAS	SWAS	Petrochemical	A	Korea
2013	Hanju	Hanju CFBC Bolier	O2, Nox, NH3 Analyzer System	Power Plant	A	Korea
2013	Tihama Power Generation	Tihama Analyzer Sampling System	CEMS & GC Sampling	Power Plant	A	Saudi Arabia
2012	PBI P Project	Analyzer Package w/Shelter	Gas Chromatograph Sampling	Chemical	A	Indonesia
2012	KOGAS	KOGAS Terminal GC	GC Sampling System	Gas	A	Korea
2012	Hyundai Oilbank (BTX Plant)	Analyzer Package with Shelter	Gas Chromatograph Sampling	Oil Refining	A	Korea
2012	Daesan MMA	Analyzer Sampling System	O2 Sample Handling, COD Analyzer	Petrochemical	A	Korea
2012	OhSung Integrated Thermal Power Station	OhSung NGC	Analyzer System for NG application	Power Plant	A	Korea
2012	Hyundai Hysco	GC for COG Refinery Plant	COG Gas GC Sampling	Iron & Steel	A	Korea
2012	Byeollae Energy	Byeollae CHPP Project	Fuel Gas Supply System Skid	Energy	M, A	Korea
2012	KOGAS	NamYangju/ Pyeongtaek USM Metering	USM Metering	Gas	M, A	Korea
2012	YNCC	YNCC GC Sampling System	GC Sampling System	Petrochemical	A	Korea
2012	SLNG	SLNG Tank Terminal II	GC Sampling w/Shelter	Gas	A	Singapore
2012	Tufanbeyli CFBC	Analyzer Sampling System	Flue Gas Analyzer System	Power Plant	A	Turkey
2011	CJ	Analyzer Sampling System	Water Analyzer System	Chemical	A	China
2011	Hyundai Oilbank	New FBC Boiler Project	Oxygen, Nox,NH3 Analyzer System	Oil Refining	A	Korea
2011	Samsung Fine Chemical	Analyzer Sampling System	Oxygen GC	Chemical	A	Korea
2011	Honam Petrochemical	Analyzer Sampling System	Conductivity, Moisture, pH Analyzer System	Petrochemical	A	Korea
2011	OCI Company LTD.	Analyzer Sampling System	Process Analyzer System	Chemical	A	Korea
2011	Tongsuh Petro Chemical	Analyzer Sampling System	Gas Chromatograph Sampling	Petrochemical	A	Korea
2011	LG Chemical	Analyzer Sampling System	Gas Chromatograph Sampling	Chemical	A	Korea
2011	Samsung Fine Chemical	Sampling System	O2 Analyzer System	Chemical	A	Korea
2011	Hanhwa	Analyzer Sampling System	TDLS Oxygen Sampling System for EDC Plant	Chemical	A	Korea
2011	YNCC	Analyzer Sampling System	GC Sampling System	Petrochemical	A	Korea
2011	POSCO	Analyzer Sampling System	H2O2 Titration Sampling System	Iron & Steel	A, C	Korea
2011	SLNG	SLNG Tank Terminal I	GC, Metering, ADMSS	Gas	A, C	Singapore
2010	Daehan Petrochemical Co., Ltd.	Sampling System	Gas Chromatograph Sampling	Petrochemical	A	Korea
2010	Daelim Industry Co., Ltd.	LHDPE Pilot plant	Analyzer Shelter	Chemical	A	Korea
2010	Samsung Total	BTX Sampling System	Analyzer Shelter	Petrochemical	A	Korea

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2010	OCI	Sampling System	GC Enclosure	Chemical	A	Korea
2010	Tae Gwang	Sampling System	Zirconia Oxygen Analyzer	Chemical	A	Korea
2010	SK Green Energy	Pilot Analyzer System	IR/O2 Analyzer System	Energy	A	Korea
2010	SK	Sampling System	Density Analyzer System	Energy	A	Korea
2010	Samnam Petrochemical	Sampling System	Oxygen Analyzer System	Petrochemical	A	Korea
2009	Samsung Total	Thermoelectric Power Plant	Sample Handling System for Density(SG) Analyzer	Petrochemical	A	Korea
2009	KOGAS	Metering System	GC Enclosur/ Sampling System	Gas	A	Korea
2009	S - OIL	BTX Plant	GC Analyzer Sampling System	Oil Refining	A	Korea
2009	General Electricity Company	Analyzer System	Analyzer System for NG Gas Application	Power Plant	A	Libya
2008	Hitachi Japan	MDU Poject	Sample Handling System for Density (SG) Analyzer	Chemical	A	Japan
2008	Daesan MMA	Analyzer Shelter	O2 Analyzer System	Petrochemical	A	Korea
2008	GS Caltex	Analyzer System	Analyzer System for pH/Cond. System	Oil Refining	A	Korea
2008	Lotte Plant	Gas Chromatograph System	Fuel Gas Supply System/ Flow Computer System	Power Plant	A	Korea
2008	YNCC	Analyzer Shelter	NIR Analyzer System	Petrochemical	A	Korea
2008	Young Wol Power Plant	Analyzer System	Analyzer System for NG Gas application	Power Plant	M, A	Korea
2008	GS Caltex	Laptha GC	GS Caltex Laptha GC	Petrochemical	A	Korea
2007	Chile	NV Coal Fired Power Project	O2/ CO Analyzer w/Sampling System	Power Plant	A	Chille
2007	YNCC	Analyzer Shelter	NIR Analyzer System	Petrochemical	A	Korea
2007	YNCC	NIR System	NIR Analyzer System	Petrochemical	A	Korea
2007	Tae Gwang JNK	CO/CO2 Analyzer	O2 Analyzer w/Sampling System	Power Plant	A	Korea
2007	YNCC	Sampling System	GC Sampling with Cooler	Petrochemical	A	Korea
2007	KOGAS	Metering System	Metering System HMI	Gas	M, A	Korea
2007	Samsung Total	Analyzer Shelter	Total GC Analyzer System	Petrochemical	A	Korea
2007	Daehan Petrochemical	Sampling System	Sample Handling System	Petrochemical	A	Korea
2007	POSCO	NIR Sampling system	NIR Cleaning Acid Sample Test Unit	Iron & Steel	A	Korea

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2006	YNCC	Petrochemical Application	NIR Analyzer System	Petrochemical	A	Korea
2006	Honam Petrochemical	Petrochemical Application	NIR Analyzer Shelter	Petrochemical	A	Korea
2006	KOGAS	NG Gas Monitor	GC Revamping	Gas	A	Korea
2006	Honam Petrochemical	Analyzer Shelter	Gas Chromatograph Analyzer	Petrochemical	A	Korea
2006	KOGAS Tongyong	Flow Meter run	Single Run	Gas	M, A	Korea
2005	KNOC	Donghae-1 Gas Project	CH4 Analyzer System	Gas	A	Korea
2005	GS Caltex	Petrochemical Application	Density Analyzer System	Petrochemical	A	Korea
2005	GS Caltex	Petrochemical Application	GC Sampling System Temp. Control System	Petrochemical	A	Korea
2005	Hanwha Petrochemical Plant	Petrochemical Application	Cooling System	Petrochemical	A	Korea
2005	KOGAS	Gas Metering System	GC Analysis Comparison Works	Gas	A	Korea
2005	YoungPung Corporation	Refining Application	Titration Analyzer System	Oil Refining	A	Korea
2005	LG Chemical	Chemical Application	IR Analyzer System	Chemical	A	Korea
2005	KOGAS	Gas Metering System	GC Comparision Data	Gas	A	Korea
2005	KOGAS	Gas Metering System	Transmitter Box	Gas	A	Korea
2005	SK Chemical Co., Ltd.	Petrochemical Application	O2/Cox Analyzer System	Petrochemical	A	Korea
2005	POSCO	Gas Metering System	HMI System / FC Panel PLC	Iron & Steel	M, A	Korea
2004	Samnam Petrochemical Co., Ltd.	PTA Application	Titration Analyzer System	Petrochemical	A	Korea
2004	Samnam Petrochemical Co., Ltd.	PTA Application	Pneumatic Pyrolysis Gas Probe	Petrochemical	A	Korea
2004	Yong-in District Heating Corp.	TMS System	pH/Cond. System	Energy	A	Korea
2004	Samsung Petrochemical Co., Ltd.	PTA Application	Analyzer Sampling System	Petrochemical	A	Korea
2004	Samsung Petrochemical Co., Ltd.	PTA Application	GC Sampling System	Petrochemical	A	Korea
2004	Shindong Energy	Power Generation Application	Titration Analyzer Sampling System	Energy	A	Korea
2003	Samsung Engineering Co., Ltd.	Donghae-1 Gas Project	Calorimeter System	Gas	A	Korea
2003	Samsung Petrochemical Co., Ltd.	PTA Application	Conductivity System	Petrochemical	A	Korea
2003	Daehan Petrochemical Co., Ltd.	PE Project	GC Sampling system	Petrochemical	A	Korea

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2003	Samsung Petrochemical Co., Ltd.	PTA Project	Conductivity System	Petrochemical	A	Korea
2003	SK Chemical Co., Ltd.	PTA Project	Cooling System	Petrochemical	A	Korea
2003	Samnam Petrochemical Co., Ltd.	PTA Application	NIR analyzer	Petrochemical	A	Korea
2003	SK Construction Co., Ltd.	ATC DB-2 Project	GC, H2, O2 Analyzer System	Petrochemical	A	Thailand
2002	AMI	PTA Project	Oxygen Analyzer System	Petrochemical	A	Indonesia
2002	Daehan Petrochemical Co., Ltd.	PE Project	GC Sampling System	Petrochemical	A	Korea
2002	POSCO	Gas Detection System	Toxic and Combustibles	Iron & Steel	A	korea
2002	Samnam Petrochemical Co., Ltd.	K4 Expansion Project	Acetic Acid analyzer System	Petrochemical	A	Korea
2002	Samsung Petrochemical Co., Ltd.	PTA Project	pH/Cond. System	Petrochemical	A	Korea
2002	TongShu Petrochemical Co., Ltd.	AN Project	Oxygen Analyzer System	Petrochemical	A	Korea
2002	AGFA	Film Manufac. Application	Titration Analyzer System with HMI System	Chemical	A, C	Korea
2002	TPC	VCM Project	Sample Cooling Unit	Gas	A	Thailand
2001	POSCO	Zr O2 Analyzer	SS Enclosure Sample Handling System	Iron & Steel	A	Korea
2001	KNOC	Donghae-1 Gas Project	Moisture in Oil/ Oil in Water/ RVP Analyzer System	Gas	A	Korea
2001	LG Caltex Refinery	p-Xylene Plant	G.C Sampling System for BTX	Oil Refining	A	Korea
2001	POSCO	Gas Detection System	Toxic and Combustibles Gas Detection System	Iron & Steel	A	Korea
2001	SK Corporation	Oil Bath System	Oil Bath for RVP Analyzer	Oil Refining	A	Korea