

회사 소개서





◆대표이사 인사말

- ◆회사 연혁
- ◆품질 보증
- ◆공장 요약정보
- ◆공장 안내
- ◆조직도
- ◆인원 현황
- ◆인증서 및 면허 현황
- ◆사업 분야
- ◆주요 거래처
- ◆주요 사업실적
- ◆회사 약도

(주)유백은 1982년 일성기업사로 창사한 이래 1990년 (주)일성기업으로 재출발하여 고객의 성원에 힘입어 지속적인 발전을 거듭해 왔으며, 2007년 01월부터 (주)유백으로 사명을 변경하여 새롭게 출발하게 되었습니다.

지난 30여년간 정유 및 석유화학공장, 발전소, 조선소의 고압배관, 고압가스 저장탱크, 각종 유류저장탱크, 장치물, 철구조물등의 제작 & 설치 경험과 오랜공장 정기보수 경험을 통해 기술혁신과 품질향상을 추구해온 전문적인 공장 건설 및 설비정비 회사입니다.

2007년에는 고객만족을 위해 최신장비와 전문 기술 인력을 확보하여 장치물 제작에서부터 현장설치, 보수유지 분야까지 일체의 서비스 제공을 위해 거듭나고 있습니다.

당사의 특화된 기술로는 중질유 공장의 **측매 교체공사, 해저배관보수공사, Heavy Wall 배관공사, 압력용기 및 열교환기 제작 및 보수공사** 등이며, 국내시장 뿐만 아니라 중동, 대만, 인도네시아, 캐나다, 미국등 해외시장으로도 사업영역을 확대해 나가고 있습니다.

(주)유백이 추구하는 최고의 가치는 **"고객만족"**입니다. 고객의 소리를 소중하게 생각하고 고객이 부르는 곳이면 언제든지 달려가겠습니다. 차별화된 기술과 품질로 신속정확하게 고객이 신뢰할수 있는 제품과 서비스를 제공하겠으며, **고객과 함께 성장 발전하는 주식회사 유 백** 이 되도록 최선을 다하겠습니다.

주식회사 유 백
대표이사 김형신





회사 연혁

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◆주요 거래처

◆주요 사업실적

◆회사 약도

1982. 09.	회사 설립 (일성기업)
1982. 12.	금속구조물 창조공사업 면허 및 설비 면허 취득
1985. 04.	SK건설 협력업체 등록
1990. 11.	주식회사 일성기업 법인 설립
1992. 08.	포스코 개발 협력업체 등록
1993. 08.	삼성중공업 협력업체 등록
1995. 04.	SK주식회사 협력업체 등록
1995. 04.	본사 이전 (용연동 581-4)
1997. 03.	ISO 9001 & KSA 9002 취득
1998. 04.	일반소방시설공사업(전기,기계분야)면허취득
1998. 05.	본사 사무실 및 공장 건물 준공
1998. 12.	강구조물공사업 면허 취득
1999. 01.	특정설비제조업 면허 취득
1999. 10.	S-Oil 협력업체 등록
2000. 12.	한전기공(주) 및 현대 중공업 협력업체 등록
2001. 01.	도장공사업 면허 취득
2003. 05.	해외진출(대만:Formosa Petrochemical Co.)
2003. 10.	자기술을 이용한 한국 최초 해저배관 공사
2004. 12.	대통령상 표창
2006. 10.	(주)대우건설 협력업체 등록
2007. 01.	주식회사 일성기업에서 주식회사유백으로 상호변경
2007. 01.	본공장 ASME(The American Society of Mechanical Engineers) stamp (U,S) 취득
2008. 05.	제2공장 ASME(The American Society of Mechanical Engineers) stamp (U,U2,S) 취득
2008. 12.	가스시설시공업 면허 취득
2008. 12.	"2000만불 수출의 탑" 수상
2009. 11.	대죽공장 준공 및 "3000만불 수출의 탑" 수상
2013. 02.	용연공장 National Board (R) Stamp 취득
2014. 06.	ISO 14001:2009 & ISO 14001:2004 취득
2014. 08.	OHSAS 18001 : 2007 & K-OHSMS 18001 : 2007 취득
2015. 01.	김형신 대표이사 취임
2017. 12.	ISO 9001:2015 취득
2018. 12.	본공장 ASME(The American Society of Mechanical Engineers) stamp (S,U,U2) 변경
2018. 12.	제2공장 ASME(The American Society of Mechanical Engineers) stamp (U) 변경

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- 품질 방침

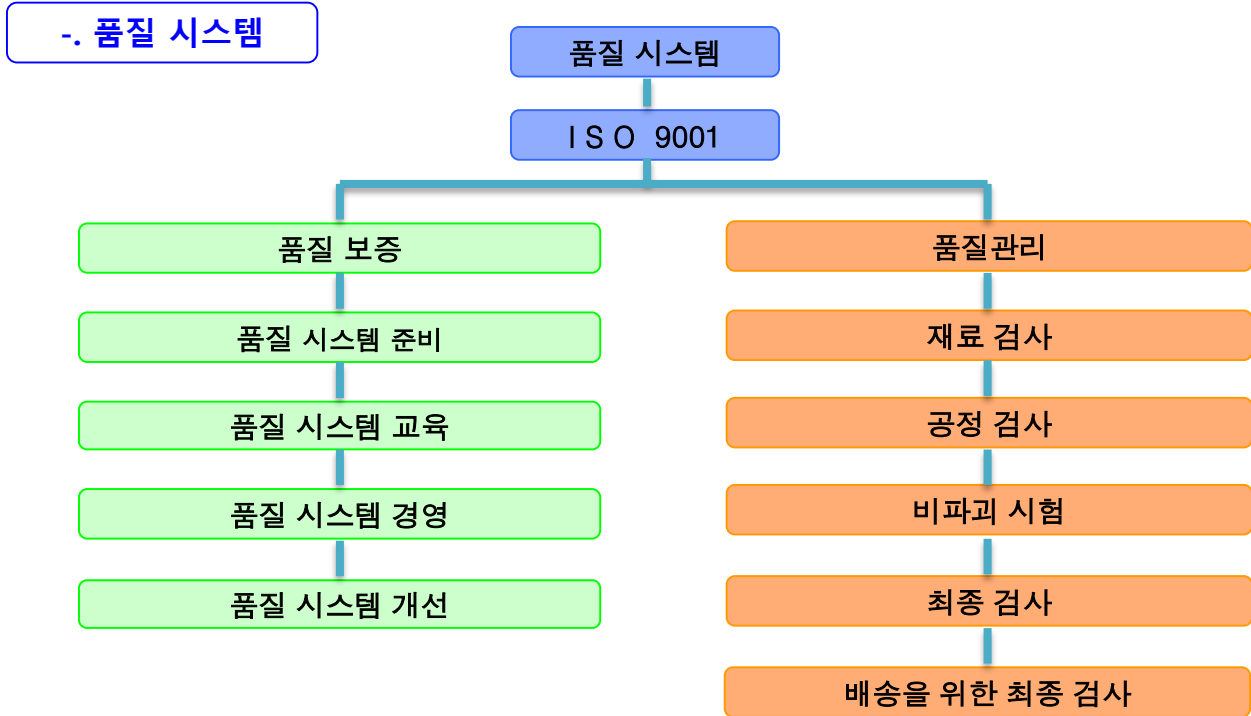
주식회사 유백의 품질방침은 고객이 요구하는 품질조건과 ISO 9001 : 2015 의 모든 요건을 만족시키도록 제정한 품질시스템에 따라 끊임없는 품질개선 노력과 품질보급 활동을 수행함으로써 비교우위의 제품을 생산하고 공급하는 것이다.

주식회사 유백의 임직원은 품질제일지향, 종합기술 향상, 개인능력발휘, 불량품의 제로화를 목표로 꾸준한 교육과 자기성찰을 통해 품질방침과 품질시스템을 숙지하고 실행유지하며 시스템의 요구사항에 따라 업무를 수행할 수 있도록 그 책임을 준수 해야 한다.

- 품질 목표

고객의 요구와 ISO 9001 : 2015 시스템의 요구 조건을 만족하는 품질 시스템과 품질 계획의 수립과 이의 효율적인 수행 그리고, 제품의 안정성, 신뢰도 확보 및 고객의 요구에 맞는 제품의 지속적인 개발을 통해 우수한 기술과 적절한 비용으로 최고의 품질을 제공하는 것이다.

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- ◆ 회사 약도



▶ 저희는 항상 고객의 해당 코드와 표준에 따라 품질 요구 사항을 준수하는 높은 수준의 품질 시스템을 제공합니다.

▶ 당사의 품질 시스템은 어떠한 고객의 요구 사항에도 유연하게 적용할 수 있습니다.

공장 요약정보

공장명	주소	Indoor (m ²)	Outdoor (m ²)	Total (m ²)	주요 업무
용연공장	울산시 남구 용연로 106 (용연동)	6,025	18,200	24,225	Heat Exchanger Pressure Vessel Filter
신일반공장	울산시 울주군 청량면 처용산업로 243-46	5,830	11,050	16,880	Heat Exchanger Power Piping Steel Structure
대죽공장	충남 서산시 대산읍 대죽2로 158	4,256	49,439	53,695	Steel Structure Power Piping
경주공장	경상북도 경주시 외동읍 냉천제내공단길 144	3,650	32,580	36,230	Heat Exchanger Pressure Vessel W.H.O.H
Total Area		19,761	111,269	131,030	

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1. 용연공장 전경 및 배치도



Indoor	6,025m ²
Outdoor	18,200m ²
Total	24,224m²

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◆**공장 안내**

◆조직도

◆인원 현황

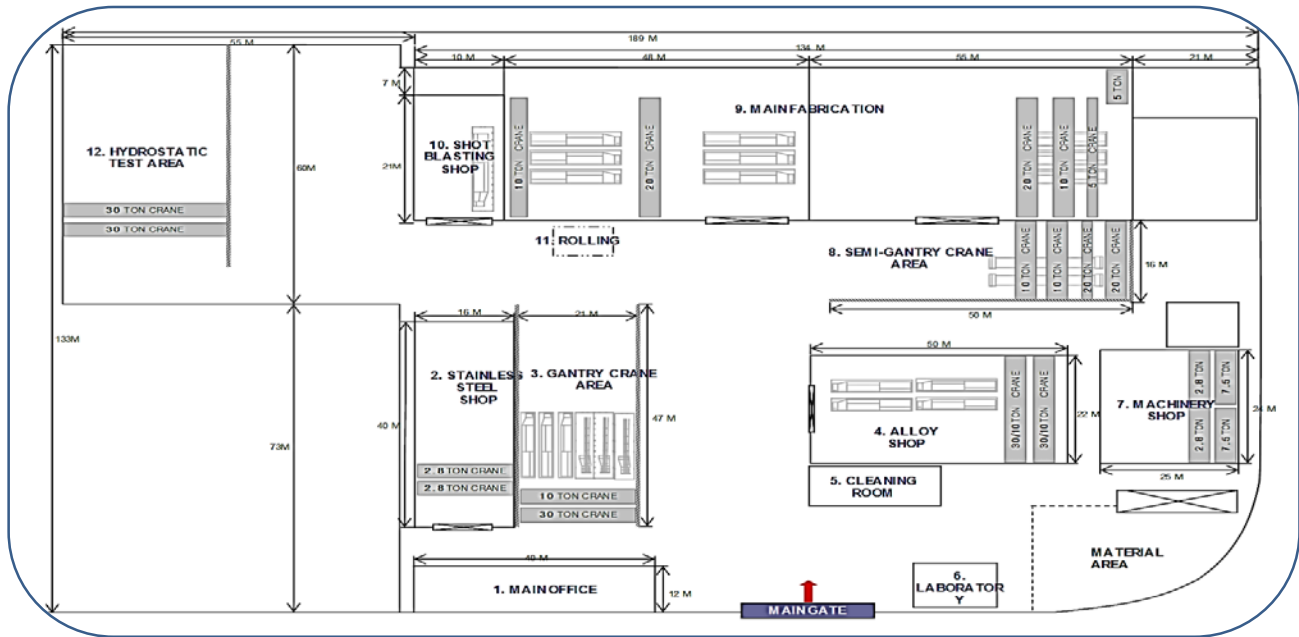
◆인증서 및 면허 현황

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2. 신일반공장 전경 및 배치도



Indoor	5,830m ²
Outdoor	11,050m ²
Total	16,880m²

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◆**공장 안내**

◆조직도

◆인원 현황

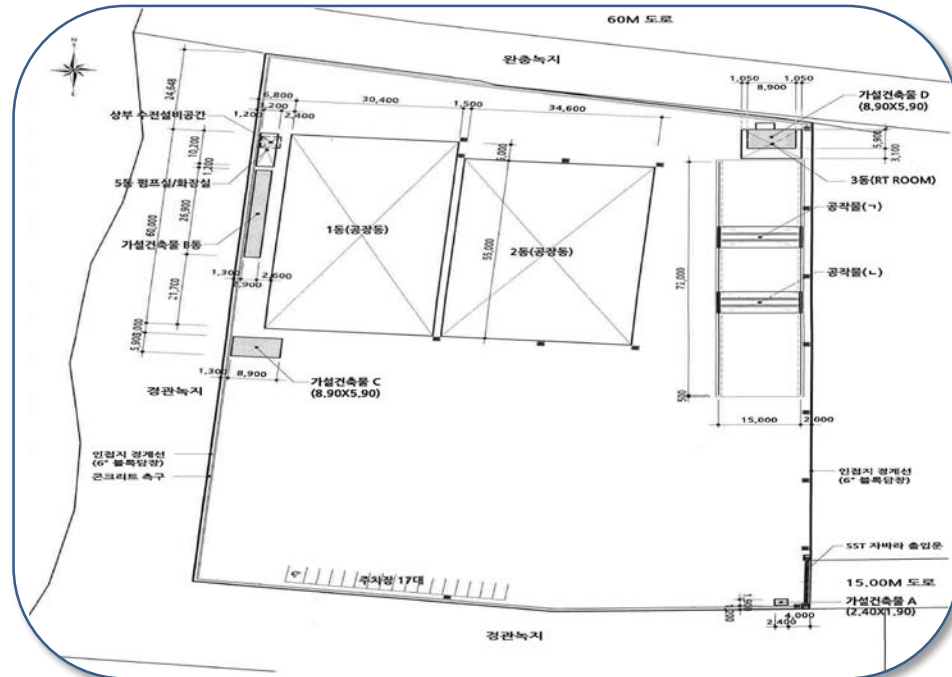
◆인증서 및 면허 현황

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3. 대죽공장 전경 및 배치도



Indoor	4,256m ²
Outdoor	49,439m ²
Total	53,695m²

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◆공장 요약정보

◆**공장 안내**

◆조직도

◆인원 현황

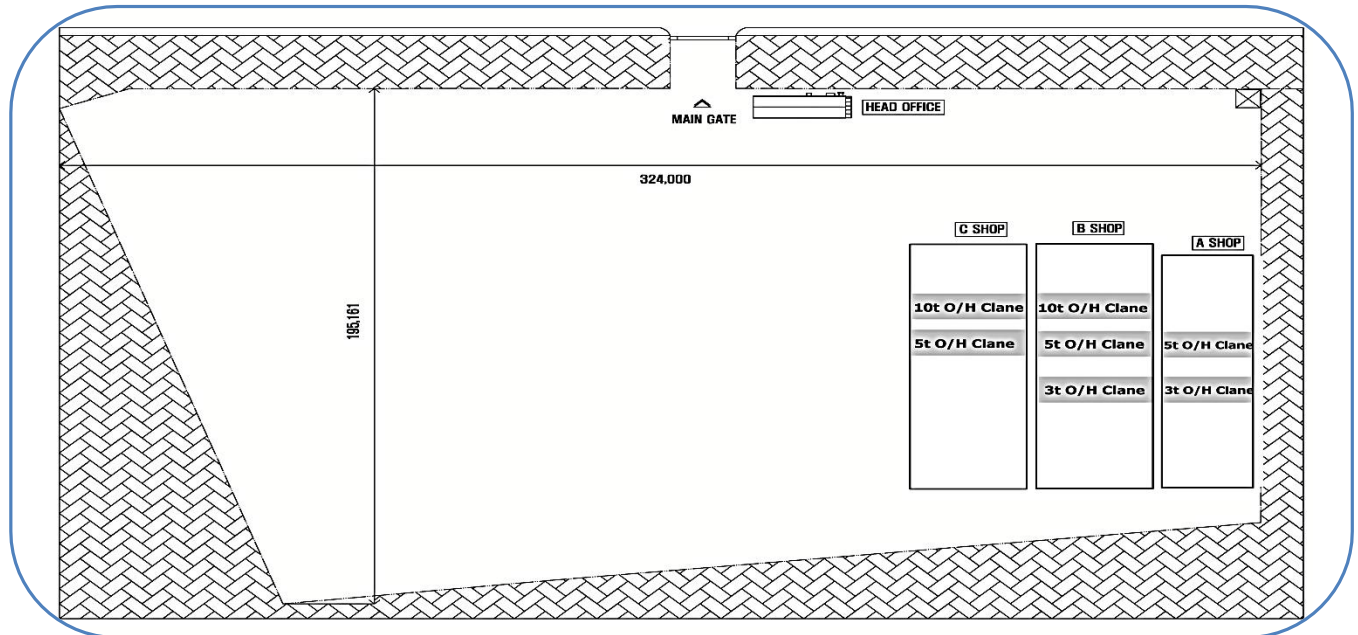
◆인증서 및 면허 현황

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◆회사 약도



4. 경주공장 전경 및 배치도



Indoor	3,650m ²
Outdoor	32,580m ²
Total	36,230m²

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◆공장 요약정보

◆**공장 안내**

◆조직도

◆인원 현황

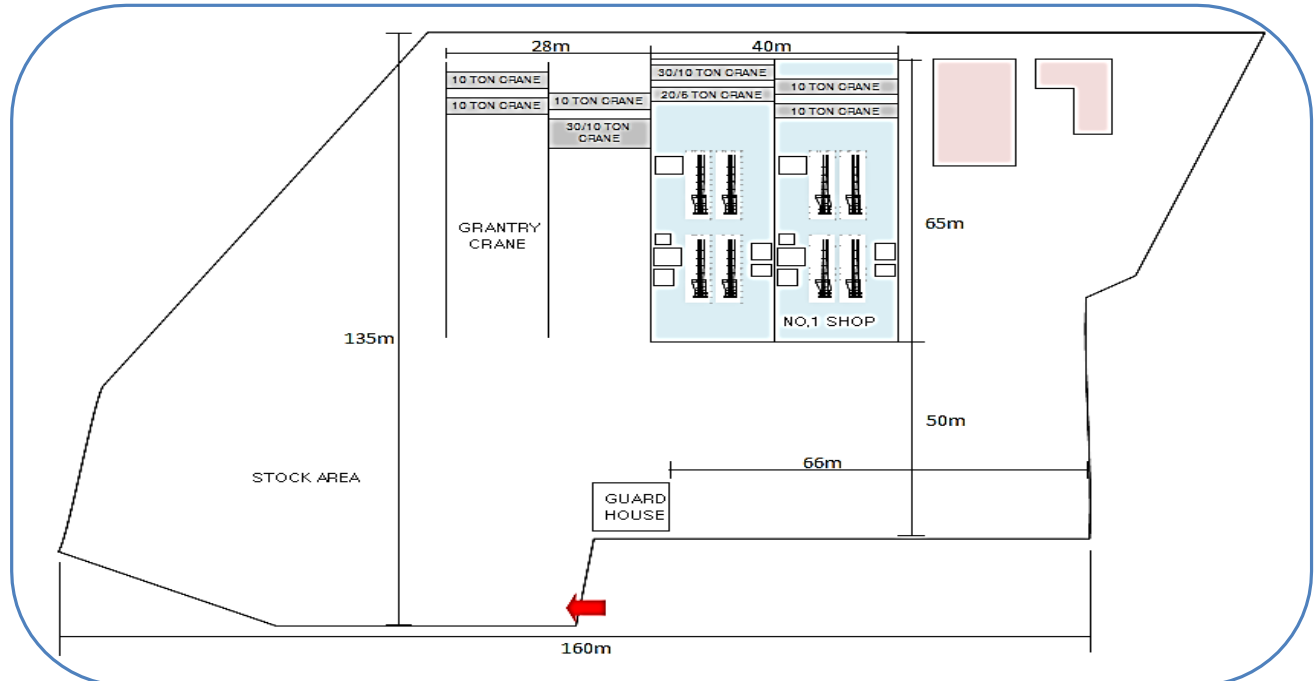
◆인증서 및 면허 현황

◆사업 분야

◆주요 거래처

◆주요 사업실적

◆회사 약도



조직도



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◆공장 안내

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◆인원 현황

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◆사업 분야

◆주요 거래처

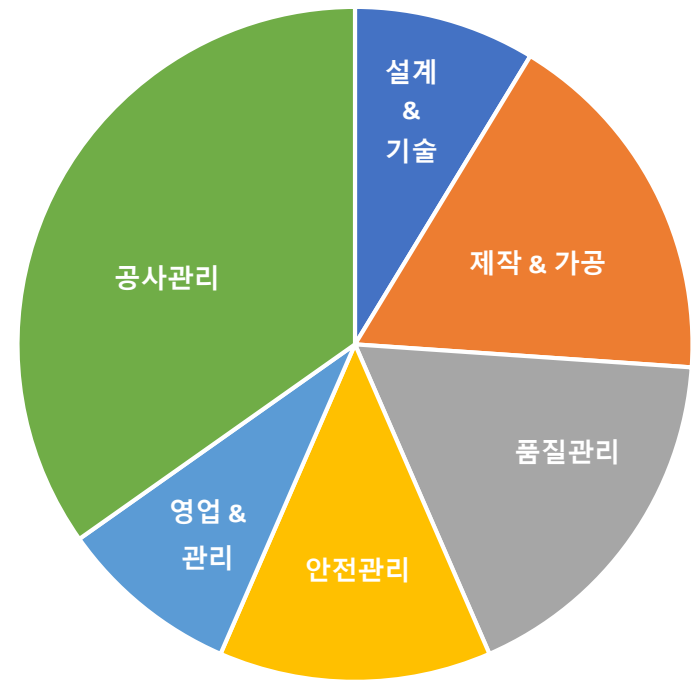
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인원 현황

UBEC Inc.		
구분	인원	비고
설계 & 기술	20	
제작 & 가공	40	
품질관리	40	
안전관리	30	
영업 & 관리	20	
공사관리	80	
기타 작업자	1,000	
총인원	1,230	

경력직 현황



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인증서 요약정보

Certified	Certificate No.	Expiration
High-pressure gas safety Control Act of Korea	-	Acquisition : Jan.03,2007
National Board "R"	R-8959	Feb. 2022
National Board "S, U, U2"		Dec. 2021
ASME "S" STAMP	36409	Dec. 2021
ASME "U" STAMP	36410	Dec. 2021
ASME "U2" STAMP	56776	Dec. 2021
ISO 9001 : 2015	10045172	Dec. 2020
ISO 14001-2015	14-2350-17	May. 2020
ISO 45001-2018	15-065-17,25S	Oct. 2021

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면허 현황

면허종류	취득일	비고
기계설비 공사업	1982. 12	
금속구조물창호공사업	1982. 12	
강구조물 공사업	1982. 12	
특정설비제조(압력용기,저장탱크)	1999. 01	
도장공사업	2001. 01	
가스시설시공업 1종	2008. 12	
전문소방시설공사업	2011. 08	
토공사업	2013. 10	
비계,구조물해체공사업	2014. 03	

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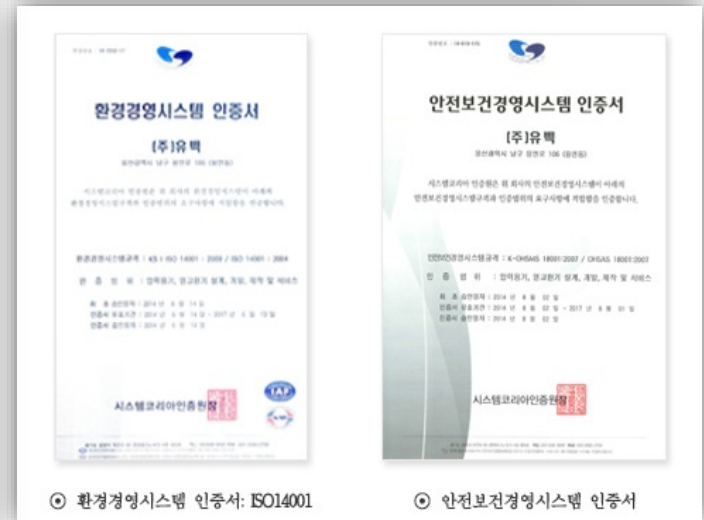


- ◎ Quality Management System Certificate : ISO 9001
- ◎ NB(R) : The National Board certificate(R) – No1. Factory
- ◎ ASME : The American Society of Mechanical Engineers – Stamp U, S, U2 : No1. Factory

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- ◎ 환경경영시스템 인증서: ISO14001
- ◎ 안전보건경영시스템 인증서

◎ Quality Management System Certificate : ISO 45001

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- ◆ 주요 사업실적
- ◆ 회사 약도



◎ Registration Certificate of Business Proprietor




◎ Registration Certificate of Plant



◎ Machinery Facility Construction




◎ Steel Structure Construction




◎ Heavy Wall Construction




◎ Paint Construction



◎ Gas Facilities Construction



◎ Civil Construction



◎ Scaffolding, construction demolition construction

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◆회사 연혁

◆품질 보증

◆공장 요약정보

◆공장 안내

◆조직도

◆인원 현황

◆인증서 및 면허 현황

◆사업 분야

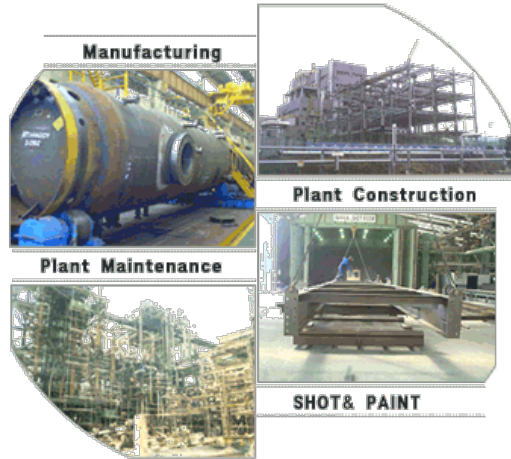
◆주요 거래처

◆주요 사업실적

◆회사 약도



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정적 설비 화학공장

Heat Exchanger
 Pressure Vessel & Tank
 Feedwater Heater
 Tower
 Reactor
 Heavy Wall Piping
 Waste Heat Recovery System

년간 생산량 15,000 ton

건설 작업

Power Piping Fab' & Installation

년간 처리량 3,200 spool

Steel Structure Fab' & Installation

년간 처리량 20,000 ton

일상 정비작업

처리량 340 m²/ Daily

유지보수 작업

년간 처리량 12,000 ton

Plant Fabrication

- ◆ 대표이사 인사말
- ◆ 회사 연혁
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Heat Exchanger (Condenser)



Heat Exchanger (Recuperator)



Heat Exchanger (Vaporizer)



Plant Fabrication

WASTE HEAT RECOVERY SYSTEM (WHOH)



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Plant Construction

U/G Piping Work



Equipment Installation



Sub Sea Tunnel Work



- ◆대표이사 인사말
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Plant Construction

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Ball Tank Work



CRT & FRT Work

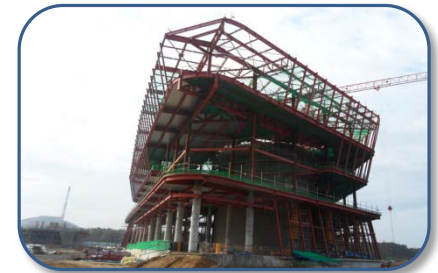
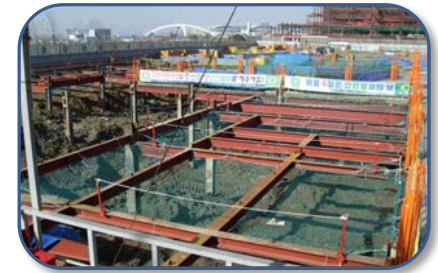
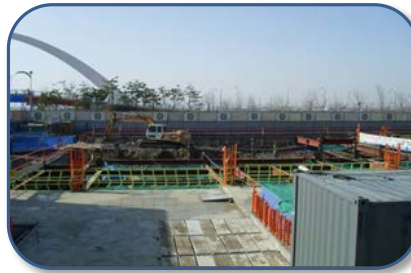


Plant Construction

Nuclear Power Plant Work



Building Structure Work



- ◆ 대표이사 인사말
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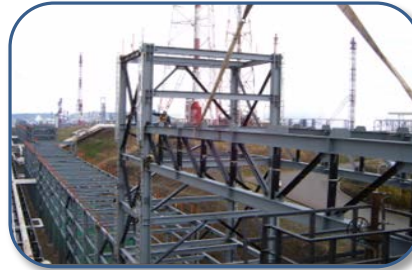
Plant Construction

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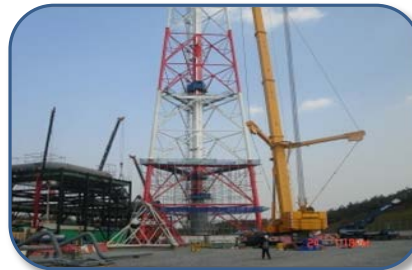
Equipment Installation



Pipe Rack Work



Flare Stack Work

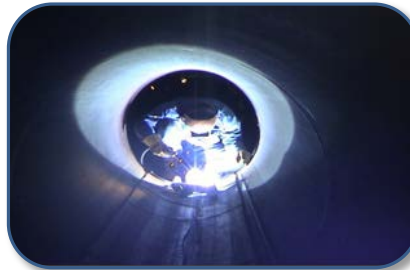


Plant Maintenance

Submarine Pipe Pigging Work



Submarine Pipe Inspection & Repair Work



Buoy & Hose Repair Work



- ◆ 대표이사 인사말
- ◆ 회사 연혁
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Plant Maintenance

Exchanger Maintenance Work



Tower & Drum Maintenance Work



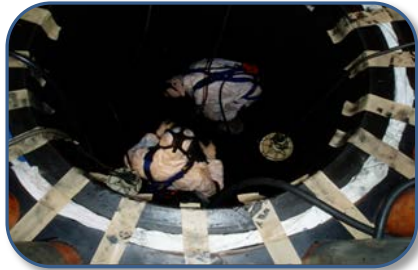
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Plant Maintenance

Piping Maintenance Work



Reactor Maintenance Work



Others Maintenance Work



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Major Clients





 Major Clients



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1. Machinery & Piping Work

No	Project	Work Period	Client	Capacity	비고
1	Lotte INEOS Chemical C+D (EPC) PKG-2	22.01 ~ 22.12	Lotte E&C	Piping : 38,256D/I	
2	Booster Pump System Installation & Piping for Company Housing 104	21.12 ~ 22.03	LG Chemical		
3	SK Hynix M15 Phase-2 Project	21.12 ~ 22.10	SK ecoplant		
4	Individual Heating & City Gas Facility Installation for Company Housing 104	21.11 ~ 22.02	LG Chemical	GAS : 12,870M	
5	Insulation for NC, Transfer Line from HPG to KOLON	21.11 ~ 21.12	Lotte Chemical		
6	No.2RHDS DS P2310AB Seal Flushing Booster Pump Installation	21.09 ~ 21.12	SK energy	Piping : 472D/I	
7	Piping for HPEL Sales of Hanhwa Total	21.09 ~ 21.12	Lotte Chemical	Piping : 2,550D/I	
8	Burried Pipeline Leak Test	21.09 ~ 22.01	GS caltex	Piping : 3,344D/I	
9	Mechanical / Piping Sejong Plant 2nd Expansion(M3)	21.08 ~ 22.05	SK biotek	Piping : 73,509D/I	
10	SK Hynix M11 New Cube Building Expansion PJT	21.08 ~ 22.01	SK ecoplant		
11	UG Piping for Lotte INEOS Chemical C+D	21.07 ~ 22.10	Lotte E&C	Piping : 7,222D/I	
12	Pre-Removal for Mechanical & Piping	21.06 ~ 21.07	LG Chemical		
13	Piping & Structure for MC Recovery Facility of Sejong Plant	21.05 ~ 21.06	SK biotek	Piping : 3,000D/I	
14	BMR Mechanical/Piping/Structure Work	21.04 ~ 22.01	SK ecoplant	Piping : 11,178D/I	
15	DEHCH Expansion / Revamp Work	21.04 ~ 21.06	Hanwha Solutions	Piping : 1,393D/I	
16	NEP BOG Recomp Installation(Firefighting)	21.03 ~ 21.12	SK geo centric	Piping : 960D/I	
17	Structure/Piping for NCC, SM TMS Installation	21.03 ~ 21.08	LG Chemical	Piping : 92D/I	
18	#1PX, #1HNH,#2HNH Process for NAC Plant	21.03 ~ 21.06	SK geo centric	Piping : 5,020D/I	
19	Mechanical / Piping for G1 Project(OSBL)	21.03 ~ 22.04	Lotte E&C	Piping : 73,772D/I	
20	Expansion for M11 Element Analysis Room(HVAC)	21.02 ~ 21.08	SK ecoplant		
21	Mechanical/Piping/Structure for avoiding Management Blind Spot(YMAC)	21.01 ~ 21.07	YMAC	Piping : 2,100D/I	
22	Mechanical/Piping/Structure for avoiding Management Blind Spot	21.01 ~ 21.07	SK Lubricant	Piping : 2,100D/I	
23	Raw Caustic Supply Facility Installation & Piping	21.01 ~ 21.04	GS caltex	Piping : 789D/I	
24	LG Chemical DAESAN O-Project Pilot Project	20.01 ~ 20.06	S&I Co.	Piping : 6,292D/I	
25	Construction of Improvement of Waste Water Treatment Plant in Crude Storage Area	20.02 ~ 21.12	SK energy	Piping : 4,352D/I	
26	1st relocation of Sejong Plant in 2020	20.03 ~ 20.07	SK biotek	Piping : 1,742D/I	
27	#2 RFCC DFR 2nd Modification & etc.	20.05 ~ 20.09	S-Oil		
28	2nd relocation of Sejong Plant in 2020	20.05 ~ 20.11	SK biotek	Piping : 14,000D/I	
29	No2 PP Devotlenecking Project_Machine, Piping, Steel structure work	20.06 ~ 20.12	SK energy	Piping : 14,120D/I	
30	PHE Shipment Facility Improvement	20.07 ~ 20.09	LG Chemical	Piping : 1,118D/I	

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1. Machinery & Piping Work

No	Project	Work Period	Client	Capacity	비고
31	Replacement of Fire Pipe Work Station_NRC Booster Comp in New SS	20.08 ~ 20.12	SK energy	Piping : 418D/I	
32	No.2 Removal related to antimony removal project during RFCC wastewater (base iron)	20.08 ~ 20.12	SK energy	Piping : 638D/I	
33	[September 2020 T&I] MHC Hot Separator Vapor Air Cooler (E-20107) Tube Bundle replacement and 4 other cases	20.08 ~ 20.12	S-Oil	Equip : 14 SET	
34	Desulfurization Team 2 ARU/SWS process LC piping hammering improvement and 9 other cases	20.08 ~ 21.02	S-Oil	Equip : 12 SET	
35	Smart Energy Center construction PJT U/G piping/civil work (IBL)	20.10 ~ 22.08	SKEC	Piping : 18,475D/I	
36	Installation of RTO to comply with air pollution emission standards_Pipe and steel frame	20.11 ~ 20.12	SK biotek	Piping : 1,500D/I	
37	BPA Flare waste collection tank investment related piping work	20.11 ~ 21.03	LG Chemical	Piping : 643D/I	
38	Ulsan CLX Directly Introduced LNG Supply Facility 2HP & Comprehensive Power	19.08 ~ 20.03	SKEC(SKE)	Piping : 16,962 d/I Equip : 1 SET	
39	LLDPE DTA Vaporizer SCR installation and two others	19.07 ~ 19.12	SK global chemical	Piping : 1,680 d/I Equip' : 2 SET	
40	13 projects including replacement of No.2 ARU process P3201A, B Pump	19.03 ~ 19.09	SK energy	Piping : 3,269 d/I Equip : 11 SET	
41	Mechanical piping work during Revamping in 2020 (PKG-4 BTX)	19.09 ~ 20.10	HDEC (Hyundai oilbank)	Piping : 85,497 d/I Equip : 92 SET	
42	KNCE Step 1 EPC Project (Equip', Piping, etc.)	19.09 ~ 20.02	SKEC (korea Nexlmen)	Piping : 16,388 d/I Equip : 722 TON	
43	[CDC Project] Inorganic catalyst area package piping manufacturing, supply, installation	19.07 ~ 19.10	Him-tech (LG Chemical)	Piping : 8,741 d/i	
44	S-Project Tower Internal Installation	19.06 ~ 20.02	SKEC (SK energy)	Equip : 37 SET	
45	SKE H2 Project C3 Supply Piping Installation (Section E)	19.04 ~ 19.12	SK GAS	Piping (U/G) : 1,524 d/i	
46	Facility improvement work to increase LCO-B production after RUC	19.03 ~ 19.05	S-Oil	Piping : 428 d/i	
47	124-F Recycle Line Piping Work	19.02 ~ 19.05	LG Chemical	Piping : 479 d/i	
48	KNOC Underground Construction Permanent Equipment and Piping Installation	19.02 ~ 21.06	SKEC (KNOC)	Piping : 29,108 d/I etc.	
49	MR Construction (RDS air cooler material change etc.)	19.01 ~ 19.10	Hyundai OIL Bank	Piping : 2,631 d/I etc.	
50	MR Construction (# 2BTX energy optimization facility improvement)	19.01 ~ 19.06	Hyundai OIL Bank	Piping : 6,629 d/I Equip : 2 SET, etc.	
51	[19 year TA_ Piping] NCC Temporary Piping Installation Construction	18.12 ~ 19.05	LG Chemical	Piping : 5,300 d/i	
52	CDC PJT U/G Piping Work	18.12 ~ 19.02	LG Chemical	Piping : 2,672 d/i	
53	Crude oil unloading speed improvement business other MR operation	18.12 ~ 19.06	Hyundai OIL Bank	Equip : 20 ton, Piping : 12,215 d/I Stl/str : 30 ton	
54	EPC construction of LIBS 12,13 expansion	18.10 ~ 19.10	SK Innovation	Equip : 1,373 ton, Piping : 38,464 d/i	
55	SK S-Project U/G Piping Work (A&B Unit)	18.08 ~ 19.05	SK energy	U/G Piping : 61,165 d/i	
56	Sejong Plant E & B Project Mechanical piping	18.06 ~ 18.09	SK biotek	Equip : 60 ton, Piping : 5,648 d/I Stl/str : 30 ton	
57	HDO REVAMPING PROJECT (18 RVMP machine piping construction OFF-Site)	18.04 ~ 18.12	Hyundai OIL Bank	Stl/Str : 223 ton, Piping : 48,123 d/i	
58	HDO Revamping Project RDS Phase II 3 other machines and Piping	18.03 ~ 18.11	Hyundai OIL Bank	Equip : 650 ton, Piping : 37,140 d/i	
59	LG Chemical SILO Piping / Stl/structure	17.09 ~ 17.12	LG Chemical	Piping : 798 d/i, Stl/Str : 55.7 ton	
60	ULSAN2-A PVC Separator (V-650a~d) & Five others	17.07 ~ 17.11	Hanhwa Chemical	Equip : 11.8 ton	

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1. Machinery & Piping Work

No	Project	Work Period	Client	Capacity	비고
61	Skhynix M15 Project HVAC 04	17.10 ~ 18.09	Skhynix	Pipe : 59,708 d/i , Duct : 32,693 m ² Stl/Str : 475 ton , Insul : 46,699 m	
62	Polymer Plant 1BL Replacement of LLDPE Old Fire Fighting Pipe	17.08 ~ 17.11	SK energy	Piping : 9,767 d/i , Demolition : 1 L/S	
63	LG Chemical Daesan POE Expansion Project	17.06 ~ 18.07	LG Chemical	Piping : 122,600 d/i , Equip : 124 ton	
64	Skhynix M14 ph-2 Project HVAC공사 4 (2B)	17.05 ~ 17.11	Skhynix	Pipe : 58,023 d/i , Duct : 34,969 m ² Stl/Str : 531 ton , Insul : 9,686 m	
65	NAC LP Abs BTM Pump, Capacity Increase Work	17.04 ~ 17.09	SK energy	Piping : 1,756 d/i , Equip : 109 ton	
66	NAC Slop Oil Cooler, Capacity Increase Work	17.04 ~ 17.08	SK energy	Piping : 578.5 d/i , Equip : 82.5 ton	
67	NCC Cold Section column Instrument Safety Assurance Work	17.03 ~ 17.10	SK energy	Piping : 730 d/i , Scaffold'g : 350m'	
68	No.1 FCC,debottlenecking	17.03 ~ 17.07	SK energy	Pipe : 11,605 d/i , Equip : 213.6 ton Stl/Str : 42.7 ton , Paint : 1,707.2 m ²	
69	S-Oil RUC Project Incineration Package2	17.02 ~ 18.02	S-Oil	Piping : 40,703 d/i , Equip : 400 ton	
70	LiBS #10,11 Project Machinery/Piping work	16.12 ~ 18.04	SK Innovation	Piping : 190,348 d/i , Equip : 2,676 ton	
71	Wirye new city construction & piping work (Remainder)	16.10 ~ 17.03	SKEC	Piping : 21,784 d/i	
72	Powder Silo Walkway Install Work	16.10 ~ 16.12	LG Chemical	Piping : 500 d/i	
73	EDTA Temporary Piping Work	16.10 ~ 16.12	SKEC/etecenc	Piping : 21,784 d/i	
74	T-5 Area 15BL Old Firefighting Piping Replacement	16.10 ~ 16.12	SKEC	Piping : 5,820 d/i	
75	Pump Change Work of HAPs	16.09 ~ 16.11	Hanhwa Chemical	Piping : 250 d/i , Equip : 19 set (Pump)	
76	NEP EPC Replacement	16.08 ~ 16.12	SKEC	Piping : 4,579 d/i , Stl/Str : 20 ton	
77	NEP Revamp Work	16.08 ~ 16.12	SKEC	Piping : 6,122 d/i , Stl/Str : 3.5 ton	
78	SK hynix M14 ph-2 Project (#4 HVAC)	16.07 ~ 17.03	SKEC	Pipe : 182,750 d/i , Duct : 22,194 st Stl/Str : 958 ton , Insul : 26,320 m	
79	S-Oil Residue Upgrading Complex Area1,PKG-4 (Equip , Piping)	16.07 ~ 18.02	S-Oil	Piping : 190,348 d/i , Equip : 2,676.5 ton	
80	NEP PR Accumulation (5401-F) Replacement Work	16.07 ~ 16.12	SK Chemical	Piping : 1,800 d/i , Stl/Str : 3.5 ton	
81	SK hynix M14 ph-2 Project Pre-Work(#5 HVAC)	16.03 ~ 16.12	SKEC	Pipe : 21,395 d/i Stl/Str : 60 ton , Insul : 5,190 m	
82	#2 BTX MVR Project	16.03 ~ 16.11	etecenc	Piping : 22,195 d/i , Equip : 437.5 ton	
83	64B/L HDPE Firefighting Piping Replacement	15.11 ~ 16.02	SK energy	Piping : 2,400 d/i	
84	Skhynix M14 SUPER center additional works Pjt.	15.11 ~ 15.12	SKEC	Pipe : 16,123 m , Duct : 7,418 st Stl/Str : 21 ton ,	
85	J Natural Gas Plant COOLING TOWER Piping work	15.10 ~ 16.06	SKEC/etecenc	Piping : 29,810 d/i	
86	Casting Diecasting steel structure fabrication & installation work	15.10 ~ 16.01	Korea Zinc	Piping : 2,900 d/i , Stl/Str : 150 ton	
87	PVC Slurry Auto Filter installation piping work	15.09 ~ 15.12	LG Chemical	Piping : 500 d/i	
88	NBO PJT fixing of defects Piping and Civil work (HBO.NPX001-006)	15.08 ~ 15.12	SKEC	HDPE Piping : 2,010 d/i	
89	Nexlene Project seamed pipe of HDPE fixing of defects work (Piping and Civil work)	15.08 ~ 15.12	SKEC	HDPE Piping : 3,660 d/i	
90	HOU 4B/L underground 1 roads and Z roads Fire tube replacement work	15.08 ~ 15.12	SK energy	HDPE Piping : 1,920 d/i	

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1. Machinery & Piping Work

No	Project	Work Period	Client	Capacity	비고
91	1. Skhyinx M14 remodeling works (of the inside) 2. Kitchen equipment installation of Supex Center and women's Dormitory.	15.08 ~ 15.11	Skhyeng	Pipe : 5,783 m , Duct : 2,161 st Stl/Str : 7 ton	
92	No.4 CDU Light distillate increase production of Debottlenecking Work	15.08 ~ 15.10	SKEC	Piping : 9,850 d/i , Stl/Str : 40 ton Equip:180 ton	
93	Fort Hills SE Project	15.08 ~ 16.04	SKEC	Piping : 164,420 d/i Support : 387ton	SHOP 제작납품
94	No.5 VDU Process for Introduction of UCO	15.01 ~ 15.05	YMAC	Piping : 1,900 d/i, Stl/Str : 3ton	
95	HHT Flexibility service work	15.01 ~ 15.04	SK lubricants	Piping : 1,300 d/i, Stl/Str : 2ton	
96	Wirye new city construction & piping work	15.06 ~ 17.03	SKEC	Equip : 7,740ton	
97	Install the utility Piping & Duct / Zinc powder Expansion	15.05 ~ 15.09	Korea Zinc	Piping : 4,500 d/i, Stl/Str : 30ton, Equip : 22ton, Sup't : 11ton	
98	Install the #4 Roasting Equipment & workshop	15.05 ~ 15.09	Korea Zinc	Piping : 4,500 d/i, Stl/Str : 30ton	
99	No.1 FCC Cooling Water Maker up Line foundation work	15.02 ~ 15.07	SKEC	Piping : 6,900 d/i	
100	SB Metal Plant piping & Anchor Installation work	14.10 ~ 15.02	Korea Zinc	Piping : 925 d/i, Stl/Str : 13.5ton	
101	KNOC Ground Tank demolish work	14.05 ~ 15.08	SKEC	Tank 75,000, BBL : 18Set(14,871ton)	
102	M14 PH-1 Project HVAC Construction6	14.05 ~ 15.07	SKEC	Pipe : 128,149m, Duct : 35,031st Stl/Str : 388ton	
103	FCCL #2 Project Machinery / Piping work	13.12 ~ 14.09	SKEC	Equipment : 600ton Piping : 90,000d/i	
104	Hydrogen boiler auxiliary fuel change piping work	13.08 ~ 13.10	Hanhwa Chemical	Piping 3" : 300M	
105	V-Project (OBL) Adsorbent Chamber Internal work	13.08 ~ 14.12	SKEC	4set Chamber Internal sleeve loading work	
106	New PX Project Tower Internal work	13.07 ~ 14.12	SKEC	6set Tower internal instanation	
107	LiBS (OBL) Project Machinery/Piping work	13.04 ~ 14.02	SKEC	Equip : 76 set, Piping : 30,400 d/i	
108	No.2 FCC Revamp Project Machinery/Piping work	13.02 ~ 13.10	SKEC	Equip : 700 ton, Piping : 90,000 d/i STL/STR : 650 ton	
109	V-Project (OBL) (Equip / Piping / SSTR work)	13.01 ~ 14.12	SKEC	Equip : 835 ton, Piping : 83,000 d/i STL/STR : 1,950 ton	
110	New PX Project IBL (5,6 Block) (Machinery / Piping)	12.11 ~ 14.02	SKEC	Equipment : 3,200 ton Piping : 310,000 d/i	
111	LiBS #8,9 Project (Equip't / Piping / facility)	12.11 ~ 13.12	SKEC	Equipment : 2,100 ton Piping : 68,000 d/i	
112	VRDS Wash Water Injection Pump Replacement project	12.11 ~ 13.05	SK Energy	Equipment : 2 set Piping : 1,000 d/i	
113	#1 Water Air Compressor New construction	12.10 ~ 13.03	Hyundai OIL Bank	Equipment : 10 set Piping : 7,500 d/i	
114	HBO Project IBL (Equip / Piping / Steel Structure)	12.08 ~ 13.04	SK Energy	Equipment : 1,740 ton Piping : 88,000 d/i	
115	CA Hydrogen boiler auxiliary fuel change piping work	12.08 ~ 12.10	Han Wha Chemical	Piping : 1,000 d/i	
116	LiBS #6,7 Project CCS-2 Remodeling (Machinery / Piping)	12.07 ~ 12.12	SKEC	Equipment : 35 set Piping : 6,600 d/i	
117	HBO/NBO Project 70B (Piping / Steel Structure)	12.05 ~ 12.06	SKEC	Equipment : 67 set Piping : 56,800 d/i	
118	H-Project #3 LBO	11.08 ~ 12.03	SKEC	Equipment : 48 EA Piping : 73,000d/i	
119	BSP Project (Equip / Piping)	11.08 ~ 12.03	SKEC	Equipment : 1,600ton Piping : 120,000d/i	
120	SK GAS Tank Terminal Work	11.06 ~ 12.06	SKEC	Equip : 500ton, piping :40,300d/i STL/STR : 320ton	

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1. Machinery & Piping Work

No	Project	Work Period	Client	Capacity	비고
121	LiBS #6,7 Line Project (Equip / Piping / facility)	11.06 ~ 12.03	SKEC	Equipment : 600ton Piping : 80,000d/i	
122	LiBS Coating Project (Equip / Piping / facility)	11.01 ~ 11.08	SKEC	Equipment : 300ton Piping : 30,000d/i	
123	TAC Project (Equip / Piping)	10.12 ~ 12.03	SKEC	Equipment : 1,460ton Piping : 130,000d/i	
124	FCCL Project (Equip / Piping)	10.12 ~ 11.09	SKEC	Equipment : 600ton Piping : 90,000d/i	
125	H-Project #2BL	10.12 ~ 11.07	SKEC	Equip & Piping Removal : 200ton piping : 15,000d/i	
126	NEP LPG CRACKING facilities work	10.07 ~ 10.11	SKEC	Stl/Str : 45ton, Piping : 31,600d/i Equipment : 110ton	
127	No.2 plant improvement work	10.06 ~ 10.10	SKEC	Equipment : 60ton Piping : 35,000d/i	
128	LiBS #4,5 Line Project	09.07 ~ 10.02	SKEC	Equipment : 500ton Piping : 40,000 d/i	
129	SK Unloading crude oil pipeline construction	07.11 ~ 09.01	SKEC	Piping : 27,500 d/i	
130	#2 FCC Project RTO Piping Work	07.09 ~ 08.02	SKEC	Piping : 15,000 d/i	
131	#2 RTO REVAMP Piping Work	07.04 ~ 07.11	SK Energy	Piping : 30,000d/i	
132	Ethylene Storage Tank Revamping Work	07.02 ~ 07.11	SKEC	Piping : 20,000d/i Steel Structure : 300ton	
133	#2 FCC Project Piping Work	06.11 ~ 07.12	DaLim	Heavy Wall Piping : 50,000d/i	
134	LiBS #2,3 Line Project	06.11 ~ 09.08	SKEC	Equipment : 400ton Piping : 40,000 d/i	
135	New Plant Fabrication & Installation	05.03 ~ 05.07	Pan - Asia Metal Co.	Vessel : 24ea, Piping : 48,000d/i	
136	SKIT Explosion Recovery Work	05.01 ~ 05.05	SKEC	Heat Insulation, Machinery, Duct, Steel Structure, Piping	
137	HOU Reliability (Equip't / Piping / Steel Structure)	04.05 ~ 04.07	SKEC	EQUIPT : 118ea, Piping : 53,000d/i Steel Structure : 880ton	
138	Oil Pipe Line Change Work(12") at Kyung Ju	02.11 ~ 03.01	SK Energy	1,850m	
139	NRP Revamp Project	01.07 ~ 02.01	SK Energy	EQUIPT : 68ea , Piping : 52,000d/i Steel Structure : 850ton	
140	Methanol Wharf Piping(14") Fabrication & Installation	00.04 ~ 00.06	Samsung Fine Chemical	Piping : 60,000d/i Steel Structure : 1,100ton	
141	Hou UC Area Fire Recovery Work	99.07 ~ 99.09	SK Energy	Heavy Wall Piping : 18,000d/i	
142	#1, #2 Buoy Underground Piping Repair Work	98.02 ~ 98.07	SK Energy	Piping : 28,500d/i, Internal Cleaning	
143	NEP Revamp Line (Fab./Erec.)	96.03 ~ 97.01	SK Energy	EQUIPT : 120ea, Piping : 65,000d/i Steel Structure : 500ton	
144	W.W.T. Piping (Fab./Erec.)	95.09 ~ 96.03	SKEC	EQUIPT : 110ea, Piping : 85,000d/i Steel Structure : 1,200ton	
145	Cold Roll Shop Modernization	94.11 ~ 95.04	POSCO	EQUIPT : 60ea, Piping : 28,000d/i Steel Structure : 1,100ton	
146	NAC Process Piping (Fab./Erec.)	93.10 ~ 93.12	SK Energy	EQUIPT : 68ea , Piping : 53,000d/i Steel Structure : 1,100ton	
147	W.W.T. Piping (Fab./Erec.)	92.07 ~ 92.11	SK Energy	EQUIPT : 120ea, Piping : 75,000d/i Steel Structure : 800ton	

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2. Steel Structure Work

No	Project	Work Period	Client	Capacity	비고
1	Ulsan North Port Phase1-1 LPG & Petroleum Terminal LNG Package (Structure Work)	21.12 ~ 24.02	DAEWOO E&C	Stl/Str : 4,500TON	
2	BTX Compressor House Structure Work	20.09 ~	Lotte E&C	Stl/Str : 7.41TON	
3	HD/PP Silo Check Plate Install Work	20.10 ~ 20.12	LG Chemical	Stl/Str : 14.5TON	
4	CDC Project Construction Steel Structure Construction	19.01 ~ 19.12	S&I Co. (LG Chemical)	Stl/Str : 2,252 ton	
5	S-Oil Residue Upgrading Complex Area2&3, PKG-1 (Steel Structure)	17.06 ~ 18.02	S-Oil	Stl/Str : 2,392 ton	
6	S-Oil RUC Project Incineration Package2	17.02 ~ 18.02	S-Oil	Stl/Str : 1,000 ton	
7	Powder Silo Walkway Install Work	16.10 ~ 12.30	LG Chemical	Stl/Str : 15 ton	
8	S-Oil Residue Upgrading Complex Area2,PKG-2 (Steel Structure)	16.04 ~ 18.03	S-Oil	Stl/Str : 4,549 ton	
9	New FBC Boiler Project(#10) machine & piping work	15.06 ~ 16.12	Hyundai Heavy Industries	Stl/Str : 3,213 ton	
10	Main Rack Frame reinforcement & Installation work (2 Plant)	15.04 ~ 15.09	Korea Zinc	Stl/Str : 74 ton	
11	Zinc powder Expansion & Manufacture of Zinc power Installation work	15.04 ~ 15.09	Korea Zinc	Stl/Str : 260 ton	
12	Field Erection Tank installation work (J Natural Gas Plant)	15.03 ~ 15.07	SKEC	Stl/Str : 1,412 ton	
13	Melting furnace & Slab casting machine Expansion and Installation work	15.02 ~ 15.04	Korea Zinc	Stl/Str : 81 ton	
14	Melting furnace & Slab casting machine Expansion and Installation work (cannery equipment)	14.10 ~ 15.01	Korea Zinc	Stl/Str : 104 ton	
15	Slab Melting and Casting Production Expansion (Pipe Rack Installation Work)	14.03 ~ 14.10	Korea Zinc	STL/STR : 214 ton	
16	Constant Plant Expansion and Structure Fab' & Install (Pipe Rack)	14.03 ~ 14.08	Korea Zinc	Stl/Str : 342 ton	
17	Weak Acid Structure Fabrication & Installation work	14.01 ~ 14.09	Korea Zinc	STL/STR : 391 ton	
18	Constant Plant Expansion & Structure fab & Install work	14.03 ~ 14.08	Korea Zinc	STL/STR : 335 ton	
19	Slab Melting and Casting Production Expansion work (Pipe Rack Install)	14.05 ~ 14.10	Korea Zinc	STL/STR : 214 ton	
20	Nexlene Project Extruder Steel Installation work	12.10 ~ 14.04	SKEC	Steel Structure : 2,541ton	
21	SMP W-1 Project Steel Fabrication work	12.09 ~ 14.01	SECL	Steel Structure : 1,391ton	
22	H-Project No.3 LBO/OBL	11.08 ~ 12.03	SKEC	Steel Structure : 902ton	
23	Seo-Cheon Marine Museum	11.03 ~ 11.12	DSMEC	Steel Structure : 1,404ton	
24	BSP Project	11.02 ~ 11.08	SKEC	Steel Structure : 4,270ton	
25	Proton Accelerator Center	10.12 ~ 12.08	DaeWoo Eng. & Con.	Steel Structure : 400ton	
26	S-Oil ONSAN Refinery Expansion Project	09.05 ~ 10.02	Samsung ENG	Steel Structure : 2,000ton	
27	Go-Yang Dragon Plaza construction	08.05 ~ 09.12	Dong-a ENG	Steel Structure : 4,000ton	
28	BULKHEAD & BALLAST WATER TANK Fabrication & Installation	07.01 ~ 10.12	DaeWoo Eng. & Con.	Steel Structure : 10,000ton	
29	2nd FCC (IBL) RFCC Structure Work	06.10 ~ 08.02	SKEC	Steel Structure : 7,300ton	
30	2nd FCC New Pipe Rack Work	06.10 ~ 08.02	SKEC	Steel Structure : 8,500ton	

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2. Steel Structure Work

No	Project	Work Period	Client	Capacity	비고
31	#2 Tatoray Revamp Work	05.03 ~ 05.08	SKEC	Crane : 8,000ton	
32	Crude Oil Tank Area Ditch Cover Fabrication & Erection	02.06 ~ 02.11	SK Energy	Cover : 1,250ton	
33	HMD/HGCT JIB Crane Fabrication Work	01.10 ~ 02.06	Hyundai Heavy Industry	Crane : 1,350ton	
34	Top Color Mixed Dissolver Fabrication Work	01.03 ~ 01.04	Hankuk Paper MFG	Steel Structure : 1,850ton	
35	STS Plant Steel Structure Reinforcement Work	95.06 ~ 95.07	POSCO	Steel Structure : 3,500ton	
36	Trash Burnner Steel Structure Fabrication & Erection at PUSAN	94.06 ~ 96.12	KuDong Eng. & Con.	STL/STR : 580ton, Piping : 680 d/i Equipment : 295ton	
37	K.C.R Steel Structure Fabrication & Installation Work	92.07 ~ 93.02	Kolon Chemical	Steel Structure : 1,300ton	

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3. Overseas Project

No	Project	Work Period	Client	Capacity	비고
1	BSR 3rd T/A Maintenance (Vietnam)	17.02 ~ 17.08	BSR & Petrochemical	General Work : 205 ea, Equipment work : 63 ea	
2	BSR 2nd T/A Maintenance (Vietnam)	14.03 ~ 14.06	BSR & Petrochemical	Piping : 4,500 d/I, General Work : 3,324 ea,	
3	T/A Maintenance Project (Vietnam)	11.06 ~ 11.09	Binh Son Refining	T/A Work, Equipment 134ea, Overhaul 236ea, Catalyst 1,022m3	
4	Catalyst Replacement (Indonesia)	08.02 ~ 08.02	Pertamina	262.3m ³ : 2ea, 133.6m ³ : 1ea	
5	Catalyst Replacement (Indonesia)	07.05 ~ 07.05	Pertamina	262.3m ³ : 2ea, 133.6m ³ : 1ea	
6	Catalyst Replacement (Indonesia)	06.05 ~ 06.05	Pertamina	278m ³ : 2ea	
7	Catalyst Replacement (Taiwan)	06.02 ~ 06.03	Formosa	135m ³ : 1ea , 340m ³ : 2ea	
8	Catalyst Replacement (Taiwan)	05.06 ~ 05.07	Formosa	135m ³ : 1ea , 340m ³ : 2ea	
9	Catalyst Replacement (Taiwan)	04.10 ~ 04.10	Formosa	300m ³ (Only Change)	
10	Catalyst Replacement (Taiwan)	03.08 ~ 03.08	Formosa	135m ³ : 1ea , 340m ³ : 2ea	

4. Nuclear Power Plant Work

No	Project	Work Period	Client	Capacity	비고
1	SINGORI Nuclear Power Plant 3,4st Steel Structure Work	10.03 ~ 14.09	Doosan Heavy Inc.		
2	SINWOLSUNG Nuclear Power Plant 1st, 2nd Steel Structure Work(Exposure)	08.05 ~ 11.12	DaeWoo Eng. & Con.		
3	SINWOLSUNG Nuclear Power Plant 1st, 2nd Steel Structure Work(Underworld)	09.02 ~ 10.12	DaeWoo Eng. & Con.		
4	SINWOLSUNG Nuclear Power Plant 1st, 2nd SSSLP Back-up Bar Work	08.08 ~ 10.11	DaeWoo Eng. & Con.		
5	SINWOLSUNG Nuclear Power Plant 1st, 2nd Piping Work	08.02 ~ 10.12	DaeWoo Eng. & Con.		
6	SINWOLSUNG Nuclear Power Plant 1st, 2nd Steel Structure Work(Underworld)	07.03 ~ 10.05	DaeWoo Eng. & Con.		



5. Catalyst Work

No	Project	Work Period	Client	Capacity	비고
1	2022 #2 VRDS Reactor Catalyst Replacement	21.10 ~ 22.11	SK energy		
2	2022 #2 RHDS Reactor Catalyst Replacement	21.10 ~ 22.11	SK energy		
3	2022 #1 RHDS Reactor Catalyst Replacement	21.10 ~ 22.08	SK energy		
4	2022 #1 VRDS Reactor Catalyst Replacement	21.10 ~ 22.06	SK energy		
5	Cost-per-unit contract for catalyst replacement construction	20.01 ~ 21.12	Hyundai OIL Bank		
6	2021 HOU VRDS Reactor Catalyst Replacement Work	20.09 ~ 21.06	SK energy		
7	2021 No.2 VRDS Reactor Catalyst Replacement Work	20.09 ~ 21.06	SK energy		
8	2021 No.1 FCC VRDS Reactor Catalyst Replacement Work	20.09 ~ 21.08	SK energy		
9	2021 No.2 FCC VRDS Reactor Catalyst Replacement Work	20.09 ~ 21.11	SK energy		
10	No.2 FCC RHDS Reactor Regular Maintenance Work for 2020	19.07 ~ 12.30	SK Energy	Total Volume: 3,050 m3	
11	No.1 FCC RHDS Reactor Regular Maintenance Work for 2020	19.07 ~ 12.31	SK Energy	Total Volume: 2,312 m3	
12	HOU VRDS Reactor Regular Maintenance Work for 2020	19.07 ~ 20.05	SK Energy	Total Volume: 1,566 m3	
13	SKIPC 2019 T / A Reactor catalyst work	19.09 ~ 19.12	SKEC (SKIPC)	Total Volume: 730 m3	
14	2018 # 1NHT / HCR, # 1GHT catalyst replacement work	18.12 ~ 19.01	Hyundai OIL Bank	Total Volume : 6,680 m3 (4set)	
15	2017 NAC (No.2 BTX) Process T/A Work	17.03 ~ 17.08	SK Energy	Total Volume: 422 m3 -5ea	
16	2017 HOU VRDS Reactor Catalyst change work	17.02 ~ 17.05	SK Energy	Total Volume: 1,510 m3 - 8ea	
17	No.2 FCC Reactor	16.07 ~ 16.12	SK Energy	Total Volume: 3,074 m3 -8ea	
18	Catalyst Work for ARDS Reactor (Module 2)	16.10 ~ 16.11	Hyundai OIL Bank	Total Volume: 1,300 m3 -5ea	
19	R-110A/B Reactor catalyst work	16.05 ~ 16.05	INITZ	Total Volume: 680 m3 -4ea	
20	2016 HOU VRDS Reactor Catalyst change work	16.02 ~ 16.05	SK Energy	Total Volume: 1,300 m3 - 5ea	
21	No.2 FCC Reactor	15.08 ~ 15.12	SK Energy	Total Volume: 3,074 m3 -8ea	
22	2015 HOU VRDS Reactor Catalyst change work	15.01 ~ 15.05	SK Energy	Total Volume : 1,510m ³ - 8ea	
23	Monomer reactor catalyst work	15.01 ~ 15.02	INITZ	Total Volume : 680m ³ - 4ea	
24	No.2 FCC TA RHDS	14.08 ~ 14.12	SK Energy	Total Volume : 3,074m ³ - 8ea	
25	New PX Project AT-V8101A/B, 8102 Rx Loading work	14.03 ~ 14.07	SKEC	Total Volume: 564 m3 - 5ea	
26	New PX Project Isomar Reactor Internal Catalyst Loading work	14.03 ~ 14.06	SKEC	Total Volume: 62 m3 - 1ea	
27	HOU VRDS RX	14.02 ~ 14.07	SK Energy	Total Volume: 1,510 m3 - 8ea	
28	No.2 FCC TA RHDS	13.06 ~ 13.08	SK Energy	Total Volume: 3,074 m3 -8ea	
29	No.1 FCC 5101B Reactor	13.06 ~ 13.07	SK Energy	Total Volume: 240 m3 - 1ea	
30	HOU VRDS RX	13.03 ~ 13.05	SK Energy	Total Volume: 1,510 m3 - 8ea	

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5. Catalyst Work

No	Project	Work Period	Client	Capacity	비고
31	HCR1 Team HCR/BOP Catalyst Work	13.03 ~ 13.04	GS Caltex	Total Volume: 733 m3 - 5ea	
32	#2 FCC RX	12.08 ~ 12.10	SK Energy	Total Volume: 3,074 m3 - 8ea	
33	HOU VRDS RX	12.02 ~ 12.03	SK Energy	Total Volume: 1,510 m3 - 8ea	
34	#1 FCC RHDS RX	11.03 ~ 11.06	SK Energy	Total Volume: 2,310 m3 - 8ea	
35	HOU VRDS RX	11.03 ~ 11.04	SK Energy	Total Volume: 1,510 m3 - 8ea	
36	#1 T/A MR-1901/1902 Catalyst Work	11.01 ~ 11.04	SK Energy	Total Volume: 180 m3 - 2ea	
37	#2 HOU Catalyst Installation Work	10.12 ~ 11.03	SK Energy	Total Volume: 220 m3 - 2ea	
38	#1 FCC RHDS REACTOR Catalyst Work	10.05 ~ 10.06	SK Energy	Total Volume: 2,310 m3 - 8ea	
39	HOU (VRDS, SWTU) Catalyst Work	10.05 ~ 10.06	SK Energy		
40	HOU T/A Catalyst Work	10.03 ~ 10.04	SK Energy	Total Volume: 1,510 m3 - 8ea	
41	NRP #3 PF CCR Catalyst Changing Work	09.12 ~ 10.01	SK Energy	Total Volume: 180 m3 - 1ea	
42	SAR Converte Catalyst Loading Work	09.10 ~ 09.11	SK Energy		
43	#1 FCC RHDS REACTOR Catalyst Work	09.04 ~ 09.06	SK Energy	Total Volume: 1,510 m3 - 8ea	
44	HOU T/A 7BL (4BL REACTOR) Catalyst Work	09.04 ~ 09.05	SK Energy		
45	RHDS REACTOR Catalyst Work	08.05 ~ 08.06	SK Energy	Total Volume: 2,310 m3 - 8ea	
46	H-R9001A/B AREA	07.06 ~ 07.07	SK Energy		
47	#6 MDU H-R9001 A/B Catalyst Loading Work	07.05 ~ 07.07	SK Energy		
48	R-30101 Area	2004. 12	S-OIL	240m ² : 1ea	
49	VRDS(HOU) DS-R 3300 Area	1992~every year	SK Energy	103m ² : 2ea , 127m ² : 2ea 254m ² : 2ea , 271m ² : 2ea	
50	RHDS(FCC) DS-R 1300 Area	1992~every year	SK Energy	135m ² : 2ea , 340m ² : 6ea	

6. Maintenance Work

No	Project	Work Period	Client	Capacity	비고
4	2021~2023 Daily Maintenance for Static Equipment & Piping PKG-1(Unit Price Contract)	21.01 ~ 23.12	S-OIL		
5	Maintenance Work	2013 ~ 2014	SK Incheon Petrochem		
6	Maintenance Work	2011 ~ 2013	Hyund OIL BANK		
7	Maintenance Work	1992 ~ 2014	SK Energy		



7. Fabrication & Installation

No	Project	Work Period	Client	Capacity	비고
1	S-OIL #2 SPM Construction PJT (PLEM)	19.05 ~ 19.09	DAEWOOENC (S-oil)	Plem 1 SET	
2	ARP Project	14.10 ~ 15.10	UTE - TSGI	Drum 30set, 140ton	
3	Ulsan PDH Project	14.10 ~ 14.12	SKEC	Drum,Tank 13set, 226ton	
4	Bo Leong LNG Terminal	14.08 ~ 15.06	GSEC	Drum 11set, 122ton	
5	SK GAS Ulsan PDH Project	14.05 ~ 15.02	SKEC	H.EX 19set, 95ton	
6	HANAM CHIP Plant Project	14.03 ~ 14.09	SKEC	Tank 3set, 9ton	
7	NSRP Complex Project	14.03 ~ 15.02	SKEC	Drum,Tank 40set, 217ton	
8	Aromatic-II Debottlenecking Project	14.01 ~ 15.04	SKEC	Column,Drum,Reactor 37set, 343ton	
9	NSRP PPU Project	14.01 ~ 15.02	SKEC	Vessel 57set, 442ton	
10	No.1 GDA TA	13.12 ~ 14.05	SK Energy	Bundle 24set, 110ton	
11	Polybutylene Succinate Plant Project	13.10 ~ 14.04	HITACHI LTD.	H.EX 13set, 23ton	
12	PPG Capa-up	13.09 ~ 14.05	KUMHO Petrochemical	Reactor 3set, 54ton	
13	V-Project OBL	13.09 ~ 14.03	S-OIL	H.EX 2set, 19ton	
14	LINEARLYL BENZENE Project	13.09 ~ 14.08	Hyundai Eng. & Construction	H.EX 31set, 238ton	
15	UHV Plant Project	13.05 ~ 14.02	SK Eng. & Construction	Hydraulic Seals 9set, 13ton	
16	V-Project OBL	13.05 ~ 13.12	SK Eng. & Construction	Tank 9set, 1,066ton	
17	PDVSA Deep Conversion Project	13.04 ~ 14.10	Hyundai Eng. & Construction	RPLC 25set, 686ton	
18	UHV Plant Project	13.03 ~ 14.03	GS Eng. & Construction	Vessels 37set, 352ton	
19	UHV Plant Project	13.03 ~ 14.06	SK Eng. & Construction	Towers 23set, 584ton	
20	UGCC Project	13.02 ~ 14.05	Samsung Eng.	Drum, Vessel 133set, 196ton	
21	No.2 FCC Revamp Project	12.12 ~ 13.06	SK Eng. & Construction	Column,Drum 14set, 1,153ton	
22	NEW PX Project	12.11 ~ 13.07	SKEC	Vessel 5set, 196ton	
23	SK V-Project	12.11 ~ 13.09	POSCO Engineering	H.EX 6set, 50ton	
24	SSP2	12.10 ~ 13.08	Hitachi Plant Technologies	Vessel 5set, 94ton	
25	NEW PX Project	12.08 ~ 13.10	SKEC	Tower 13set, 724ton	
26	RUWAIS Refinery Expansion	12.08 ~ 13.03	SKEC	Reactor,Vessel,H.EX 7set, 67ton	
27	BIR EL MSANA Field Development	12.06 ~ 13.03	HEC	Drum 17set, 56ton	
28	NEW PX Project	12.06 ~ 13.07	SKEC	Tower 4set, 60ton	
29	No.1 FCC	12.05 ~ 14.04	SKEC	H.EX 9set, 131ton	
30	#3 AEU Solvent	12.05 ~ 12.10	SK Chemical	H.EX 5set, 73ton	

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7. Fabrication & Installation

No	Project	Work Period	Client	Capacity	비고
31	Jurong Aromatics Complex Project	12.04 ~ 12.12	SKEC	H.EX 19set, 135ton	
32	LG DAESAN-01	12.04 ~ 13.04	Burckhardt	Drum 16set, 43ton	
33	IR-II U&O	12.04 ~ 12.05	CTCI	Vessel 1set, 13ton	
34	IR-II PTA	12.04 ~ 12.05	CTCI	Column 3set, 47ton	
35	IR-II ARO	12.04 ~ 12.05	CTCI	Vessel 9set, 146ton	
36	BRU	12.03 ~ 12.07	LG Chem	H.EX 1set, 10ton	
37	Nexlene	12.03 ~ 13.05	SKEC	Vessel 25set, 75ton	
38	Jubail Polysilicon	12.02 ~ 12.12	Hyundai Eng.	H.EX, VESSEL 33Set, 259ton	
39	AES Mong Duong 2	12.01 ~ 12.11	Jinu Dev.	Vessel 5set, 253ton	
40	Depropanizer Reboiler	12.01 ~ 12.06	S-Oil	Tube Bundle 1set, 3ton	
41	Powertec Energy Corporation 6000MTA Polysilicon	11.09 ~ 12.03	CTCI Corporation	Heat Exchanger : 12type 20ea	
42	Air Liquide - Wanhua	11.08 ~ 12.11	Kobe Steel Ltd.	Pre-Fab. Piping : 2sets	
43	Talin RFCC Project	11.08 ~ 11.11	CTCI Corporation	Heat Exchanger : 2ea	
44	SK GAS Tank Terminal Project	11.07 ~ 11.12	SK E&C	Pressure Vessel : 3ea	
45	CD-E0206 Tube Bundle	11.07 ~ 11.10	SK Lubricants	Tube Bundle : 1ea	
46	T2-Project	11.07 ~ 11.10	Samsung Fine Chemicals	Drum : 18ea	
47	Battery Seosan Plant Project	11.05 ~ 11.10	SK Innovation	Pressure Vessel : 4ea	
48	2011 Olefin Plant Proect	11.05 ~ 11.09	SK Global Chemical	Tube Bundle : 1au	
49	Project Pazar 2012	11.03 ~ 11.12	PAZ Ashdod Refinery	Tower : 3ea Pressure Vessel : 1ea	
50	Air Mixing Drum Purchasing (D-5804E)	11.03 ~ 11.06	S-Oil	Drum : 1set	
51	2011 No.1 Process Project	11.03 ~ 11.05	SK Energy	Tube Bundle : 1set	
52	Project Pazar 2012	11.01 ~ 11.08	PAZ Ashdod Refinery	Heat Exchanger : 8type 22ea	
53	H-Project	11.01 ~ 11.08	SK Energy	Heat Exchanger : 14sets	
54	P2 (4PE) Project	11.01 ~ 11.06	Hyundai Engineering	Column : 5sets	
55	No.1 LBO Revamp	11.01 ~ 11.02	SKEC	Vacuum Tower Modification : 1lot	
56	H-Project	10.12 ~ 11.07	SKEC	Pressure Vessel : 6type 6ea	
57	H-Project	10.12 ~ 11.06	SKEC	Pressure Vessel : 4type 4ea	
58	LS SC FLASH Drum Inlet Cooler	10.12 ~ 11.03	LG Chem.	Heat Exchanger : 4sets, Drum : 1set	
59	2011 NCC Process	10.12 ~ 11.03	SK Energy	Tube Bundle : 5ea	
60	KSL 09-007999-H	10.12 ~ 11.03	Kobe Steel Ltd.	Piping : 1lot	

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No	Project	Work Period	Client	Capacity	비고
61	LiBS #6, 7 Project	10.12 ~ 11. 04	SKEC	Pressure Vessel : 6sets	
62	RUWAI5 4th NGL TRAIN PROJECT	10.11 ~ 11.06	Hamworthy Combustion Engineering Co., Ltd.	LP EGF Combustion Chamber : 1ea	
63	#2 LPG Recovery Process	10.11 ~ 11.02	S-Oil	Drum : 1set	
64	VCM 202-C Cooler Replacement	10.11 ~ 10.12	LG Chem	Heat Exchanger : 1ea	
65	CPC Talin Alkylation Project	10.10 ~ 11.08	CTCI Corporation	Drum : 12sets	
66	Alkylation Project	10.10 ~ 11.06	PAZ Ashdod Refinery	Heat Exchanger : 26type 36ea	
67	Alkylation Project	10.10 ~ 11.06	PAZ Ashdod Refinery	Tower : 6ea	
68	Alkylation Project	10.10 ~ 11.06	PAZ Ashdod Refinery	Tower : 1ea	
69	#2 HDS	10.10 ~ 11.02	S-Oil	Drum : 1set	
70	NRP 2nd Rec Drum	10.10 ~ 11.01	SK Energy	Heat Exchanger : 1ea	
71	CMS Bundle	10.10 ~ 10.12	SK Energy	Bundle : 1ea	
72	San Jacinto Tizate Unit4 Geothermal	10.09 ~ 11.02	Fuji Electric System Co., Ltd	Piping : 1lot	
73	Rehabilitation & Adaptation	10.09 ~ 10.12	CarboVac	Vessel : 3ea, Distributor : 1ea, Outlet Sieve : 2ea	
74	#2 HNH	10.09 ~ 10.12	SK Energy	Heat Exchanger : 1ea	
75	163485	10.08 ~ 10.12	PAZ Ashdod Refinery	Heat Exchanger : 1set	
76	09-00542-B BCPL	10.08 ~ 10.12	Kobe Steel Ltd.	Piping : 4lot	
77	BR PJT	10.08 ~ 10.10	LG Chem.	Drum : 3sets	
78	LDPE PJT / BR PJT	10.07 ~ 10.11	LG Chem.	Tube Bundle : 1set, Shell : 1set	
79	SKIKDA Refinery Project	10.06 ~ 10.12	Hamworthy Combustion Engineering Co., Ltd.	Flare stack : 1set	
80	2010 Changing Deteriorate H.EX in power area	10.06 ~ 10.11	SK Energy	Bundle : 3sets, Shell : 1set	
81	KIMM-102	10.06 ~ 10.11	Carter Cryogenics	Suction Vessel : 1pc	
82	PFU O/H Waste Heat Recovery Project	10.06 ~ 10.09	SK Energy	Heat Exchanger : 2ea	
83	Installation of P-31201C	10.06 ~ 10.08	S-Oil	Heat Exchanger : 2ea	
84	OLKARIA-KENYA	10.04 ~ 10.10	ORPOWER 4. Inc.	Vaporizer(Excl. CH) : 1ea Ring Flange : 2ea	
85	RIS AMINE REVAMP	10.04 ~ 10.08	S.C. ROMINSERV S.R.L	ACHE : 2ea	
86	North African Project	10.03 ~ 11.10	Sonatrach	Tube Bundle : 5sets	
87	McGinness Hills	10.03 ~ 11.02	ORMAT NEVADA	Storage Tank : 3ea	
88	Ormat 219/246	10.03 ~ 10.08	Carter Cryogenics	Suction Pot : 1pc, Suction Vessel : 1pc	
89	Butane Separation Tank Project	10.03 ~ 10.05	ORMAT Nevada	Drum : 7ea	
90	BD/VCM Project	10.03 ~ 10.05	LG Petrochemical	Heat Exchanger : 2ea, Drum : 1ea Filter : 2ea	

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7. Fabrication & Installation

No	Project	Work Period	Client	Capacity	비고
91	Butane Separation Tank	10.03 ~ 10.05	ORMAT NEVADA	Butane Separation Tank : 7sets	
92	BD/VCM Project	10.03 ~ 10.05	LG Chem	Heat Exchanger : 2sets, Drum : 1set, Filter : 2set	
93	Hexion C-Grade Project	10.02 ~ 10.08	Cheil Engineering Co., Ltd	Tank : 4ea, Tank water cover : 1ea, Jet Mixer : 1ea	
94	Jarsey Valley	10.02 ~ 10.06	ORMAT NEVADA	Pentane Tank : 2ea	
95	NOA	10.01 ~ 10.05	ORMAT	Propane Tank : 1ea	
96	Goodspring Piping	10.01 ~ 10.04	ORMAT	Piping : 2ea	
97	Goodspring Pipe Support	10.01 ~ 10.03	ORMAT	Pipe support : 82ea	
98	Jubail Export Refinery	10. 12	Kobe Steel Ltd.	Pre-Fab Piping : 5ea	
99	CPC Dearo Project	09.12 ~ 10.09	CPC	Heat Exchanger : 16ea, Reactor : 1ea Tower : 3ea, Drum :	
100	North Brawley Geothermal Power Plant	09.08 ~ 09.10	ORMAT NEVADA	Filter : 19ea	
101	Talin RFCC Complex Project	09.03 ~ 10.12	CTCI	Heat Exchanger : 75ea	
102	Ulsan Power Plant Project	09.02 ~ 09.06	KENERTEC	Storage Tank : 1ea	
103	KOGAS-197 Pyeongtaek	09.01 ~ 09.08	Carter Cryogenics	Vessel : 4ea	
104	HDS	09.01 ~ 09.06	LUDAN ENG.	Air Fan Cooler : 4ea	
105	EBB	08.11 ~ 09.03	ORMAT	Drum : 11ea	
106	HDS	08.07 ~ 08.03	LUDAN ENG.	Heat Exchanger : 28ea	
107	EBB	08.04 ~ 09.03	ORMAT	Heat Exchanger : 85ea	
108	OREGII	08.03 ~ 08.09	ORMAT NEVADA	Drum : 4ea, Preheater : 4ea	
109	BLUE MOUNTAIN	08.03 ~ 08.09	ORMAT	Heat Exchanger : 15ea	
110	OREGII	08.03 ~ 08.08	ORMAT	Heat Exchanger : 6ea	
111	BRAWLEY	08.02 ~ 08.08	ORMAT NEVADA	Drum : 14ea	
112	SAUDI KAYAN EO/EG	07.12 ~ 08.08	PALL FILTRATION	Filter Housing : 25ea	
113	PAZ HEAT EXCHANGER	07.12 ~ 08.07	PAZ OIL COMPANY Ltd.	Heat Exchanger : 18ea	
114	BRAWLEY	07.12 ~ 08.03	ORMAT	Drum : 2ea	
115	WASTE HEAT OIL HEATER	07.10 ~ 08.09	ORMAT	Waste Heat Oil Heater : 6ea	
116	AMATITLAN	07.07 ~ 07.10	ORMAT	Drum : 2ea	
117	BRAWLEY	07.05 ~ 08.04	ORMAT	Heat Exchanger : 80ea	
118	EN PROJECT	07.05 ~ 08.01	ORMAT	Heat Exchanger : 8ea	
119	SK Vent Gas Condenser Fabrication	07.05 ~ 07.11	SK Energy	Heat Exchanger : 1ea	
120	HEBER ITLU-4	07.04 ~ 07.11	ORMAT	Heat Exchanger : 4ea	

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7. Fabrication & Installation

No	Project	Work Period	Client	Capacity	비고
121	GOLDBAR PROJECT	07.04 ~ 07.09	GOLDBAR Ltd.	Lower Drum : 1ea	
122	Dae-san Plant Revamping Project	07.04 ~ 07.05	LG Petrochemical	Strainer : 3ea	
123	GALENA III NRG	07.01 ~ 07.05	ORMAT	Heat Exchanger : 3ea	
124	HEBER SOUTH	06.12 ~ 07.08	ORMAT	Heat Exchanger : 6ea	
125	GALENA III	06.11 ~ 07.07	ORMAT	Heat Exchanger : 4ea	
126	R.RIVER	06.11 ~ 07.03	ORMAT Nevada	Motive Tank : 2ea	
127	Polett / Project Steam Exhaust Duct Fabrication	01.12 ~ 02.12	JNK Heaters	Duct : 1,800ton	
128	HMD 2,000ton JIB C/R(#6,7) Fabrication	01.01 ~ 02.02	Hyundai Heavy Ind.	C/R : 2,000ton	

8. Tank Work

No	Project	Work Period	Client	Capacity	비고
1	Y-T244 Tank Maintenance for Legal Opening	21.05 ~ 21.12	SK Energy		
2	Mechanical Work C_Smart Energy Center PJT	21.04 ~ 22.08	SK ecoplant		
3	7801-FB Tank Maintenance for Legal Opening	21.03 ~ 21.12	SK Energy		
4	Y-T191 Tank Inspection Maintenance Operation	20.05 ~ 21.04	SK Energy	Tank 1set	
5	Y-T214 Tank Regular Open Inspection Maintenance Operation (75 million Bbls FRT)	20.12 ~ 21.12	SK Energy	Tank 1set	
6	Y-T333 Benzene-containing Tank Air Release Improvement	19.12 ~ 20.05	SK Energy	Tank 1set	
7	Crude Oil Operation Team Y-T324 Tank Legally Open Maintenance Work	18.05 ~ 19.12	SK Energy	Tank 1set (750,000 BBL)	
8	R PJT Field Tank 설치	18.05 ~ 18.12	LG Chemical	Tank 1set (1,890 BBL)	
9	Y-T170 Tank Maintenance Work	17.04 ~ 17.12	SK Energy	Tank 1ea (more than 500,000 BBL)	
10	POE Project Field Storage Tank Installation	16.12 ~ 18.07	LG Chemical	Tank 8ea (more than 3,373 BBL)	
11	Y-T120 Tank Bottom Plate & Heating Coil Replacement Work	16.08 ~ 16.12	SK Energy	Tank 1ea (more than 150,000 BBL)	
12	LG Chemical Synthetic Rubber Plant AN Tank Construction Work	16.06 ~ 16.11	LG Chemical	Tank 215 ton , Piping : 6,319 d/l	
13	Field Erection Tank installation work (J Natural Gas Plant)	15.03 ~ 15.09	SKEC	Tank (more than 305,000 BBL)	
14	Degasified Water Tank replacement work	15.03 ~ 15.05	Korea Zinc		
15	Y-T249 Tank Legal overhaul inspection and black-box operation work	14.09 ~ 14.12	SKEC	Tank 1ea (more than 500,000 BBL)	
16	ULSAN branch Area Ground Tank Demolition Work	14.07 ~ 15.05	SKEC	Tank 18ea (more than 13,500,000 BBL)	
17	P-T167 Benzene tank legal overhaul inspection and black-box operation work	14.02 ~ 14.05	SKEC		

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8. Tank Work

No	Project	Work Period	Client	Capacity	비고
18	V-Project P6 Area Tank Demolition & Installation Work	13.12 ~ 14.04	SKEC	Tank 4ea (more than 35,000 BBL)	
19	SLOP Oil Tank Floor replacement work	12.07 ~ 12.08	Hyundai OIL Bank	Tank 1ea (more than 25,000 BBL)	
20	MF-B5376 HSBC Tank Roof Crach Recovery work	12.06 ~ 12.09	Hyundai OIL Bank	Tank 1ea (more than 50,000 BBL)	
21	Jet fuel tanks replace part of the floor	12.06 ~ 12.07	Hyundai OIL Bank	Tank 1ea (more than 20,000 BBL)	
22	Y-T9505 Tank Facilities complement Work	12.03 ~ 12.05	SK Energy		
23	SK GAS Tank Terminal Work	11.06 ~ 12.06	SKEC	Tank 16ea (more than 20,000 BBL)	
24	MF 5242 Tank Annula Plate Replacement Project	11.06 ~ 11.08	Hyundai OIL BANK		
25	MF 3701 Tank Part Replacement Project	11.04 ~ 11.05	Hyundai OIL BANK		
26	MF 5278 Tank Plate Replacement Project	11.01 ~ 11.06	Hyundai OIL BANK		
27	Y-T 7653 A/B Ball Tank Fabrication & Installation	07.03 ~ 07.08	SK COMPLEX ULSAN	Tank 2ea (more than 20,000BBL)	
28	Propylene/Raw-C4 Storage Tank Expansion work	06.08 ~ 06.12	SKEC		
29	Y-T150 Tank Roof Replacment Work (FRT)	06.02 ~ 06.05	SKEC	Tank : more than 500,000BBL	
30	Y-T 1607 Ball Tank Fabrication & Installation	05.10 ~ 06.10	SK COMPLEX ULSAN	Tank 1ea (more than 36,000BBL)	
31	High Ethy Benzene, Xylene Tank Fab' & Erec' Work	05.06 ~ 05.08	Pan - Asia Metal Co.	Tank 10ea (more than 20,000BBL)	
32	2nd OBL Tank Fab' & Erec' (Off Site)	03.01 ~ 03.09	SKEC	Tank 6ea (more than 50,000BBL)	
33	Chihuahua / Condensate / Polett Tank Fabrication	02.01 ~ 02.10	JNK Heaters	Tank : 2,100ton	
34	Jung-IL & ULSAN Tank Terminal Fabrication & Erection Work	01.07 ~ 01.10	Jung-IL	Tank 40ea (more than 50,000BBL)	
35	Storage Tank Fab' & Erec' Work	99.04 ~ 99.07	DaeLim ENG	Tank 8ea (more than 30,000BBL)	
36	PX Tank Fab' & Erec' Work (Tea-Young Indeustry)	94.06 ~ 95.10	Korea Petrochemical & Samsung Heavy Industry	Tank 18ea(more than 50,000BBL)	
37	Molten Lactan Tank Fab' & Erec' Work	92.12 ~ 93.02	DongYang Nylon	Tank 12ea(more than 50,000BBL)	

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9. Abroad Work

No	Project	Work Period	Client	Capacity	비고
1	BSR 2nd T/A maintenance	14.03 ~ 14.06	BSR & Petrochemical		
2	Binh Son Refining Project(Vietnam)	11.06 ~ 11.09	BSR	T/A Work, Equipment 134ea, overhaul 236ea, Catalyst 1,022m ³	
3	Unloading Catalyst Work (Indonesia)	2009. 02	Pertamina	262.3m ³ : 2ea, 133.6m ³ : 1ea	
4	Unloading Catalyst Work (Indonesia)	2008. 10	Pertamina	262.3m ³ : 2ea, 133.6m ³ : 1ea	
5	Unloading Catalyst Work (Indonesia)	2008. 02	Pertamina	262.3m ³ : 2ea, 133.6m ³ : 1ea	
6	Unloading Catalyst Work (Indonesia)	2007. 05	Pertamina	262.3m ³ : 2ea, 133.6m ³ : 1ea	
7	Cleaning Pall Ring Work (Indonesia)	2006. 11	Chandra Asri	380m ³ : 1ea , 260m ³ : 1ea	
8	Unloading Catalyst Work (Indonesia)	2006. 05	Pertamina	278m ³ : 2ea	
9	Catalyst Work (Taiwan : Formosa Petrochemical Co. RDS Reactor)	06.02 ~ 06.03	Formosa	135m ³ : 1ea , 340m ³ : 2ea	
10	Catalyst Work (Taiwan : Formosa Petrochemical Co. RDS Reactor)	05.06 ~ 05.07	Formosa	135m ³ : 1ea , 340m ³ : 2ea	
11	Catalyst Work of N2 Purge System (Taiwan:Formosa Petrochemical Co.)	04.10.01 ~ 04	Formosa	300m ³ (Only Change)	
12	Catalyst Work (Taiwan : Formosa Petrochemical Co. RDS Reactor)	03.08.01 ~ 15	Formosa	135m ³ : 1ea , 340m ³ : 2ea	

10. Boiler & Heater Work

No	Project	Work Period	Client	Capacity	비고
1	Hyundai Oilbank # 10 FBC Boiler Improvement	19.04 ~ 19.10	HHI Power System (Hyundai oilbank)	Boiler 1ea Maintenance Work	
2	New FBC BOILER Project(#10) machine & piping work	15.06 ~ 16.12	Hyundai Heavy Industries	Piping : 200ton. Stl/Str : 3,213ton Equip : 551ton, Others : 2,889	
3	#4 Roasting W.H.Boiler & Installation subsidiary facility	15.04 ~ 15.11	Korea Zinc	Piping : 15,245 d/I, Stl/Str : 30ton, Equip : 397ton	
4	H7201~4 Covection coil Maintenance Work	08.07 ~ 08.08	S-Oil		
5	C-H1001 Maintenance Work	02.10 ~ 02.11	SK Energy	Boiler 1ea Maintenance Work	
6	PW-B102 Boiler Shut Down Work	01.06 ~ 01.09	SK Energy	Boiler 1ea Maintenance Work	
7	No.3 ULSAN Power Plant Boiler Piping Fabrication & Erection	01.06 ~ 01.07	SK Energy	Internal Piping 10" : 2,250m	
8	Fired Heater Fabrication Work	99.10 ~ 99.12	NODCO	1ea	
9	Combined Heat and Power Plant Fabrication & Erection at DALSEO	95.03 ~ 97.03	Samsung Heavy Industry	Turbine, Genertor, Pump Installation Equipment : 665ton	
10	ULSAN No.3 Generation of Electric Power Boiler Piping Work	93.04 ~ 94.02	Korea Elec. Power	10" : 150m	



11. Tower Internal Remodeling Work

No	Project	Work Period	Client	Capacity	비고
1	Vaccum Tower Revamp	21.05 ~ 21.12	SK Lubricant		
2	No.2 RFCC & Revamp_Reactor Modification	19.08 ~ 19.12	SKEC (SK Energy)	Reactor : 1 SET	
3	SA-V3903 Modification Work	08.02 ~ 08.08	SK Energy	Tower : 1ea	
4	NEP #2EU HOT Tower Revamp Work	06.07 ~ 06.09	SK Energy	Tower : 3ea	
5	SK CMS Revamp & Remodeling Work	05.08 ~ 05.10	SK Energy	Boiler, Clean Room, Piping Exchanger, etc.	
6	HPCEM Project : Tower Internal Remodeling Work	01.08 ~ 01.12	SK Energy	"A" Tower : 1ea	
7	HPCEM Project Tower Internal Work	01.08 ~ 01.09	SKEC	Tower 1ea Erection & Internal Installation	
8	NAPHPA Exchanger Reusing of C-E4015UJ	01.04 ~ 01.05	SK Energy	Piping : 32,000d/i Equipment : 12ea	

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12. Submarine Piping Work

No	Project	Work Period	Client	Capacity	비고
1	Old SPM Refurbishment	16.05 ~ 16.11	S Oil	Buoy Swap & Costruction	
2	#2 BUOY SK Crude Oil unloading system relocation project	14.06 ~ 14.08	SK Energy	Intelligent Pigging work (36")	
3	#3 BUOY SK Crude Oil unloading system relocation project	14.05 ~ 14.07	SK Energy	Intelligent Pigging work (36")	
4	#2 BUOY Mooring Rope Change Work	13.12 ~ 13.12	SK Energy		
5	#3 BUOY Line Routine Check Work	13.09 ~ 13.09	SK Energy		
6	#2 BUOY Line Routine Check work	13.06 ~ 13.06	SK Energy		
7	Crude Oil u/g Piping Intelligent Pigging Work	13.04 ~ 13.07	SK Energy	Intelligent Pigging work (36")	
8	Crude Oil u/g Piping Intelligent Pigging Work	12.07 ~ 12.11	SK Energy	Intelligent Pigging work (36")	
9	#3 BUOY Line Routine Check Work	12.07 ~ 12.08	SK Energy		
10	Geo-Je KNOC Submarine Piping Work	11.07 ~ 11.08	KNOC	Line Cleaning / Pigging 40" X 1.5km	
11	#1 BUOY Line Removal Work	10.09 ~ 10.09	SK Energy	Line Cleaning / Pigging 14" X 3km	
12	#3 BUOY Water filling Work	09.09 ~ 09.10	Hyundai Heavy Industry		
13	#2 BUOY Bubmarine Piping Cleaning Work	09.07 ~ 09.07	SK Energy		
14	BUOY Hose Test / Piping Hydro Test	09.03 ~ 09.05	SK Energy		
15	#3 BUOY Pigging Work	09.01 ~ 09.03	SK Energy	42" - 5km	
16	SK Crude Oil unloading system relocation project	08.04 ~ 08.08	Hyundai Heavy Industry	42" - 7km	
17	SK #2,3 Bouy relocation Project	08.02 ~ 09.02	SKEC	42" - 7km	
18	#2 Buoy Submarine Piping Hydretest	05.03 ~ 05.09	SKEC	36" - 2.7km	
19	Buoy Maintenance / Repair Work	04.10 ~ 05.02	KNOC		
20	Inspection of Crude Pipe Intelligent Pigging Work	04.09 ~ 04.09	SK Energy	14" & 24" 4km per each	
21	#1 Buoy Submarine Pipe Pigging Work	03.09 ~ 03.12	SK Energy	36" - 2.5km	
22	42" Submarine Piping Inspection & Maintenance Work	03.07 ~ 03.09	S-OIL	42" - 3.0km	

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13. Shut-Down (T/A - Turn Around) Work

No	Project	Work Period	Client	Capacity	비고
1	2021 T&I Maintenance(PKG-1)_Static Equipment & Piping	21.01 ~ 21.12	S-Oil		
2	2021 #2 FCC(#2RHDS&6SRP)_Static Equipment Maintenance	21.10 ~ 21.12	SK Energy		
3	2021 #2 FCC(#2RHDS&6SRP) Maintenance_Piping	21.10 ~ 21.12	SK Energy		
4	#2 RHDS DS-E2170A/B Revamp	21.09 ~ 21.12	SK Energy		
5	2021 #2FCC Piping(Preparation)	21.08 ~ 21.11	SK Energy		
6	2021 #1,#2 LBO T/A Maintenance(Preparation)	21.01 ~ 21.05	SK Lubricant		
7	2020 HOU T/A Maintenance_Static Equipment & Piping	20.01 ~ 20.06	SK Energy		
8	2020 #1FCC T/A Maintenance_Static Equipment & Piping	20.03 ~ 20.08	SK Energy		
9	[June 2020 T&I] #2RFCC Maintenance PKG-1	20.04 ~ 20.12	S-Oil		
10	2020 No.2 FCC T/A Maintenance_Static Equipment & Piping	20.08 ~ 20.12	SK Energy		
11	No.2 FCC Unit1 T/A Maintenance_Static Equipment & Piping	19.10 ~ 19.12	SK Energy	Piping : 6,456 d/l, T/Drum : 32ea H.EX : 46 ea, etc.	
12	2020 T/A Maintenance_Static Equipment & Piping(Group1)	19.11 ~ 20.07	Hyundai oilbank	H.EX : 181EA, AFC : 58EA Tower : 19EA, Vessel : 113EA, etc.	
13	2019 T/A D-EG / AS / GE / EOA General Piping	19.08 ~ 19.12	Lotte Chemical	Piping : 2,112 d/l, Strainer, PSV, etc.	
14	2019 T/A D-NC General Piping Construction	19.08 ~ 19.12	Lotte Chemical	Piping : 384 Point, Strainer, PSV, etc.	
15	[May 2019 T&I] #2RFCC Maintenance	19.04 ~ 19.12	S-Oil	RxRg, FGTV : 16EA, T/D : 10EA H.EX : 10EA, AFC : 6EA, etc.	
16	LD / EVA High Pressure Piping Maintenance (PKG 30)	19.01 ~ 19.05	LG Chemical	Piping : 150d/l, etc.	
17	2018 #2,#3 LBO Maintenance_Static Equipment & Piping	18.03 ~ 18.06	YMAC	Piping : 2,503d/l, T/Drum : 27ea H.EX : 29ea, Reactor : 4ea etc.	
18	2018 NRP T/A Maintenance Work	18.01 ~ 18.07	SK energy	H.EX : 156EA, T/Drum : 60EA Reactor : 6EA, Piping : 2,700d/l etc.	
19	[#3 LBO] Replacement of Fitting for HDPE Fire Fighting Pipe	17.09 ~ 17.12	YMAC	Piping : 3,421 d/i , Demolition : 1 L/S	
20	2017 No.2 FCC T/A Maintenance Work_Static Equipment & Piping	17.08 ~ 17.12	SK Energy	H.EX : 135ea, Tower/Drum & others : 117ea, Piping : 4,750 d/i	
21	[2017 September] T&I Maintenance	17.08 ~ 17.12	S-Oil	H.EX : 30ea, Tower/Drum & others : 164ea, Blind : 312ea	
22	2017 NAC (No.2 BTX) T/A Maintenance_Static Equipment & Piping	17.03 ~ 17.08	SK Energy	H.EX : 135ea , Tower/Drum : 64ea Piping : 8,688 d/i	
23	2016 #2FCC T/A Maintenance_Static Equipment & Piping	16.07 ~ 16.12	SK Energy	H.EX : 37ea , Tower/Drum : 25ea Piping : 2,940 d/i	
24	2016 NEP #2EU T/A Maintenance Work_Static Equipment & Piping	16.07 ~ 16.12	SK Chemical	H.EX : 57ea , Tower/Drum : 29ea Piping : 7,710 d/i	
25	2016 #6 MDU T/A Maintenance_Static Equipment & Piping	16.03 ~ 16.08	SK Energy	H.EX : 49ea , Tower/Drum : 51ea Piping : 700 d/i	
26	2015 PVC Plant T/A Maintenance_Piping	15.10 ~ 15.11	LG Chemical	Piping : 1,500 d/l	
27	#3 HDS Stripper Internal Revamp (T/A Work)	15.10 ~ 15.11	S-Oil	Reactor 2ea Internal	
28	2015 #2,#3 LBO,HHT Maintenance_Static Equipment & Piping	15.01 ~ 15.04	YMAC/SK lubricants	Piping : 4,700 d/l, Equip : 59 set	
29	#2RFCC LEU P3607 Revamp	14.11 ~ 14.12	SK Energy	H.EX : 60ea, Tower/Drum : 55ea, Piping : 38,000 d/l	
30	2014 #1FCC 3000Area T/A Maintenance_Static Equipment & Piping	14.11 ~ 14.11	SK Energy	H.EX : 54ea, Tower/Drum : 30ea, Piping : 28,000 d/l	



13. Shut-Down (T/A - Turn Around) Work

No	Project	Work Period	Client	Capacity	비고
31	2014 #2 RHDS Reactor T/A _Static Equipment & Piping	14.09 ~ 14.12	SK Energy	H.EX : 45ea, Tower/Drum : 36ea, Piping : 12,000 d/l	
32	#5 SRP Reliability Revamp_Static Equipment & Piping	14.04 ~ 14.07	SK Energy	H.EX : 52ea, Tower/Drum : 48ea, Piping : 20,000 d/l	
33	AT-R8101A/B,8102 Reactor Inspection & Catalyst Loading	14.03 ~ 14.07	SK Energy	Tower / Reactor : 4ea	
34	AT-V8102A/B/C Clay Tower Inspection & Catalyst Loading	14.03 ~ 14.06	SK Energy	Tower / Reactor : 3ea	
35	[New PX] Isomar Reactor Internal Installation & Catalyst Loading	14.03 ~ 14.06	Skbiok	H.EX : 30ea, Tower/Drum : 38ea, Piping : 28,000 d/l	
36	2014 HOU VRDS T/A Maintenance	14.02 ~ 14.07	SK Energy	H.EX : 40ea, Tower/Drum : 30ea, Piping : 38,000 d/l	
37	[2013 July] S-Oil R2R RxRg FGC T/A Maintenance	13.06 ~ 13.08	S-Oil	H.EX : 44ea, Tower/Drum : 46ea, Piping : 23,000 d/l	
38	[2013 July] RFCC/#2 HMP T/A Maintenance	13.06 ~ 13.08	S-Oil	H.EX : 50ea, Tower/Drum : 47ea, Piping : 25,000 d/l	
39	[2013 July] R2R, RxRg Maintenance	13.06 ~ 13.08	S-Oil	H.EX : 55ea, Tower/Drum : 49ea, Piping : 32,000 d/l	
40	2013 #2FCC SRP Area Maintenance	13.06 ~ 13.08	SK Energy	H.EX : 40ea, Tower/Drum : 43ea, Piping : 21,000 d/l	
41	2013 S-Oil U-2500 T/A Maintenance	13.04 ~ 13.08	S-Oil	H.EX : 48ea, Tower/Drum : 40ea, Piping : 21,000 d/l	
42	[2013 April] S-Oil T/A RTS (#2 Aro) Work	13.03 ~ 13.06	S-Oil	H.EX : 49ea , Tower/Drum : 48ea, Piping : 20,000 d/l	
43	2013 #2CDU T/A Maintenance	13.03 ~ 13.04	SK Energy	H.EX : 44ea , Tower/Drum : 41ea, Piping : 26,000 d/l	
44	[2013 April] S-Oil T/A Maintenance	13.02 ~ 13.05	S-Oil	H.EX : 34ea , Tower/Drum : 40ea, Piping : 26,000 d/l	
45	2013 Hanwha Chemical T/A Equipment Maintenance	12.09 ~ 12.10	Han Wha Chemical	H.EX : 46ea , Tower/Drum : 41ea, Piping : 23,000 d/l	
46	[2012 September] S-Oil #1RHDS Maintenance	12.08 ~ 12.10	S-Oil	H.EX : 49ea , Tower/Drum : 32ea, Piping : 22,000 d/l	
47	[2012 June] S-Oil T/A Maintenance (#3 HMP & PH-1 SRU)	12.04 ~ 12.07	S-Oil	H.EX : 11ea , Tower/Drum : 20ea, Piping : 6,000 d/l	
48	2012 HOU T/A 4BL Maintenance	12.02 ~ 12.03	SK Energy	H.EX : 32ea , Tower/Drum : 39ea, Piping : 10,000 d/l	
49	2012 #1,2 LBO T/A Maintenance	12.02 ~ 12.03	SK Energy	H.EX : 68ea , Tower/Drum : 55ea, Piping : 40,000 d/l	
50	2011 S-Oil T/A #3,4 Maintenance Work	11.07 ~ 11.09	S-Oil	H.EX : 30ea , Tower/Drum : 21ea, Piping : 16,000 d/l	
51	#2 FCC T/A	11.07 ~ 11.08	SK Energy	H.EX : 46ea , Tower/Drum : 48ea, Piping : 28,000 d/l	
52	#1 FCC T/A	11.03 ~ 11.06	SK Energy	H.EX : 51ea , Tower/Drum : 40ea, Piping : 32,000 d/l	
53	HOU T/A Reactor Maintenance Work	11.02 ~ 11.04	SK Energy	H.EX : 56ea , Tower/Drum : 57ea, Piping : 30,000 d/l	
54	NEP #2 EU T/A	10.08 ~ 10.12	SK Energy	H.EX : 62ea , Tower/Drum : 40ea, Piping : 12,000 d/l	
55	#2 FCC T/A	10.05 ~ 10.07	SK Energy	H.EX : 20ea , Tower/Drum : 16ea, Piping : 3,500 d/l	
56	#1 FCC T/A	10.04 ~ 10.06	SK Energy	H.EX : 22ea , Tower/Drum : 18ea, Piping : 7,000 d/l	
57	HOU T/A	10.03 ~ 10.04	SK Energy	H.EX : 11ea , Tower/Drum : 14ea, Piping : 8,000 d/l	
58	NAC T/A #2 BTX Piping / Fixed device Maintenance	09.07 ~ 09.12	SK Energy	H.EX : 141ea , Tower/Drum : 50ea, Piping : 5,094 d/l	
59	#2 FCC T/A #6 SRP Process Regular Maintenance Work	09.05 ~ 09.07	SK Energy	H.EX : 28ea , Tower/Drum : 20ea, Piping : 5,000 d/l	
60	#1 FCC RHDS Equipment Reactor Piping T/A	09.04 ~ 09.06	SK Energy	H.EX : 20ea , Tower/Drum : 15ea, Piping : 30,000 d/l	

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13. Shut-Down (T/A - Turn Around) Work

No	Project	Work Period	Client	Capacity	비고
61	HOU T/A 7BL / VRDS	09.02 ~ 09.05	SK Energy	H.EX : 34ea , Tower/Drum : 28ea, Piping : 20,000 d/l	
62	#1 BTX T/A	08.05 ~ 08.06	SK Energy	H.EX : 28ea , Tower/Drum : 18ea, Piping : 8,000 d/l	
63	RHDS / SAR Fixed Device T/A	08.04 ~ 08.09	SK Energy	H.EX : 28ea , Tower/Drum : 20ea, Piping : 15,000 d/l	
64	SK CLUDE OIL Unloading SYS_Commissioning	08.03 ~ 08.04	Hyundai Heavy Industry	H.EX : 32ea , Tower/Drum : 16ea, Piping : 20,000 d/l	
65	#1BTX T/A WORK	07.09 ~ 07.10	SK Energy	H.EX : 45ea , Tower/Drum : 55ea, Piping : 34,000 d/l	
66	RTS T/A WORK	07.09 ~ 07.10	S-OIL	H.EX : 28ea , Tower/Drum : 32ea, Piping : 25,000 d/l	
67	H-11101 T/A WORK	07.09 ~ 07.10	S-OIL	H.EX : 44ea , Tower/Drum : 50ea, Piping : 37,000 d/l	
68	FCC T/A Work	07.06 ~ 07.08	SK Energy	Equipment : 40ea Piping : 3,000d/i	
69	HOU T/A Work	07.03 ~ 07.05	SK Energy	Exchanger : 30ea, Equipment : 30ea Piping : 10,000d/i	
70	NEP T/A Work	06.07 ~ 06.09	SK Energy	Piping : 20,000d/i Exchanger : 62ea , T/D : 54ea	
71	HOU T/A Work	05.03 ~ 05.05	SK Energy	Exchanger : 50ea, Equipment : 86ea Piping : 10,000d/i	
72	NRP T/A Work	04.06 ~ 04.08	SK Energy	Piping : 38,500d/i Equipment : 186ea , Heater : 8ea	
73	NCC #1 EU T/A Work	03.05 ~ 03.07	SK Energy	Exchanger : 65ea, Piping : 16,000d/i Equipment : 86ea	
74	#4 SRP Piping Shut Down Work	02.08 ~ 02.09	SK Energy	Piping : 26,000d/i	
75	#2BTX TWR / Drum / HTR T/A WORK	01.05 ~ 01.06	SK Energy	T/D : 36ea , Heater : 5ea	
76	#2 CDU T/A Work	2000	SK Energy	Equipment : 212ea Piping : 38,000d/i	
77	FCC T/A Work	1999	SK Energy	Equipment : 36ea Piping : 12,000d/i	
78	NRP T/A Work	1998	SKEC	Equipment : 168ea Piping : 28,000d/i	
79	#1 Process T/A Work	1997	SK Energy	Equipment : 96ea Piping : 28,000d/i	
80	#3 MDU T/A Work	1996	SKEC	Equipment : 133ea Piping : 36,000d/i	
81	NCC T/A Work	1995	SK Energy	Equipment : 132ea Piping : 32,000d/i	
82	NEP T/A Work	1994	SK Energy	Equipment : 123ea Piping : 38,000d/i	
83	HOU T/A Work	1993	SK Energy	Equipment : 86ea Piping : 32,000d/i	

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주 소

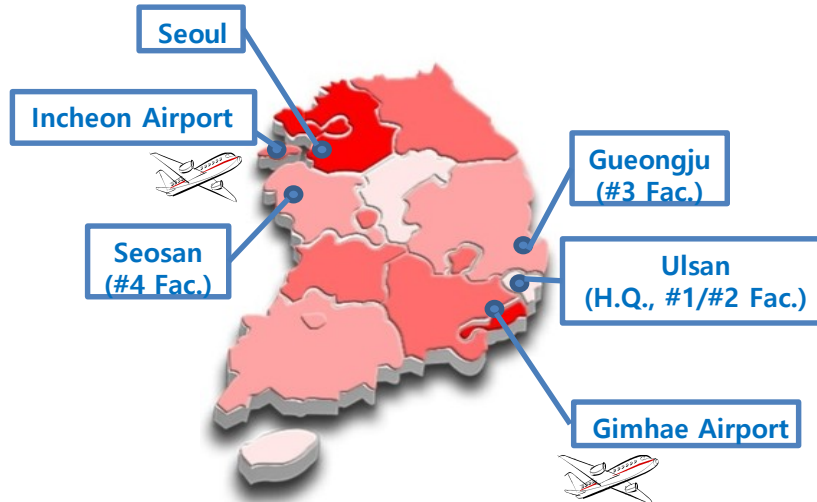
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