

SPPS



PREQUALIFICATION STATEMENT



Chemical Cleaning & Oil Flushing
Commissioning
Operation & Maintenance
Mechanical & Electrical Works
Rehabilitation for Power Plant





Greetings

THE Goal of SPPS is

Success and Satisfaction of Customer

SPPS Corp. , based on accumulated a wealth of experience since its foundation, continues to grow with the best recognition as a professional company various construction performance ability and securing excellent experts.

**GOOD-SAFETY
CUSTOMER-FIRST
GOOD-ENVIRONMENT**

"Customer First" is the philosophy of SPPS Corp." and aims to devote

**SPPS Corp., which has grown along with customer, makes an effort to give a customer satisfaction and to contribute to the successful development of the customer.
Thank you**

CEO

PAIK YOUNG CHUN





Company Overview

Company	SPPS Corporation
President	Paik Young chun
Date Established	10 JUNE 2004
Business Registration No.	136-81-31951
Company Registration No.	120111-0191718
Headquarters	222, Gonghang-daero, Gangseo-gu, Seoul, Republic of Korea
Telephone	TEL : +82-2-2666-1681,2 FAX : +82-2-2666-1683 E-mail : mail@sejongchem.co.kr
Home Page	www.sejongchem.co.kr
Capital Stock	USD 900,000
Company's Business	<ul style="list-style-type: none">• Chemical cleaning & Flushing.• Pre-commissioning & Commissioning.• Operation & Maintenance.• Painting & Preservation Work.• Mechanical & Electrical Work• Rehabilitation & Revamping for Electrical Power Plant & Industrial Facilities..



Company History

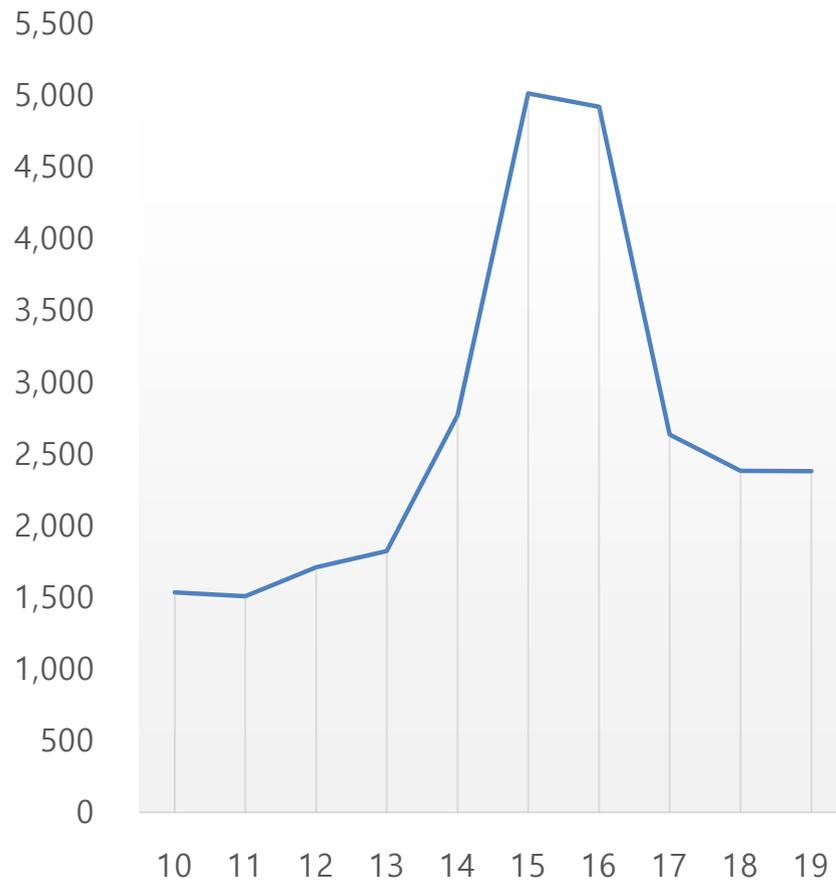
2004	<ul style="list-style-type: none">• Jun- Establishment of Sejong industry Co.,Ltd.• Nov- Registration of POSCO
2005	<ul style="list-style-type: none">• Dec-Registration of Hyundai E & C Co.,Ltd
2006	<ul style="list-style-type: none">• Feb- Registration of Hyundai Heavy Industry Co.,Ltd.• Apr- ISO 9001:2000 & ISO14001:2004• Jun- Registration of Daewoo E & C Co.,Ltd.• Sep- Registration of SK Corp.
2007	<ul style="list-style-type: none">• Sep- Registration of SKC Company
2008	<ul style="list-style-type: none">• Nov- Registration for Mechanical Construction License
2009	<ul style="list-style-type: none">• Sep- Registration of Doosan Heavy Industries & Construction Co., Ltd.• Nov- Registration of SamSung Engineering Co.,Ltd.
2011	<ul style="list-style-type: none">• Nov- Electrical Construction License• Dec- Registration of KCC Construction Co.,Ltd.
2012	<ul style="list-style-type: none">• Feb- Name changed from Sejong Industry Company to SPPS Corp.• Nov- K-OHSMS 18001
2016	<ul style="list-style-type: none">• Apr- Local incorporation in Vietnam, SVVP VINA
2018	<ul style="list-style-type: none">• Jan- New CEO in charged as to Mr. Paik Young chun
2019	<ul style="list-style-type: none">• Jan- Local incorporation in Indonesia, SPI



Construction Capabilities

Annual Construction Capability

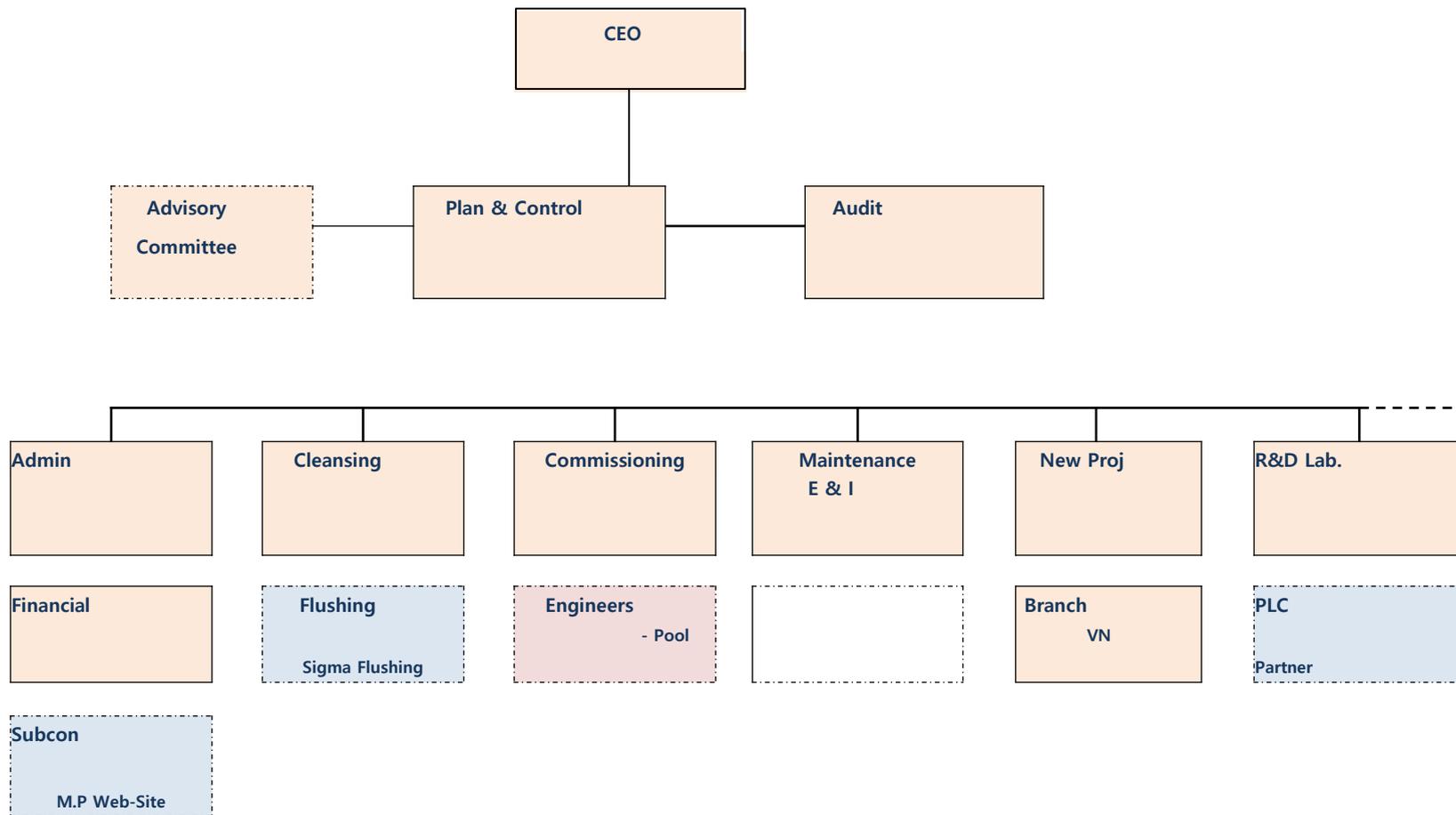
(Unit : USD1,000)



Year	Type	Amount of the Construction Capability	비 고
2010	Certified Construction Business Capability	1,533	
2011		1,505	
2012		1,708	
2013		1,822	
2014		2,769	
2015		5,011	
2016		4,918	
2017		2,634	
2018		2,379	
2019		2,378	

Organization

SPPS Organization Chart



Business Certificate

Business License & Registration for Construction

발급번호 Issuance number	사업자등록증명 Certificate of Business Registration (법인사업자) (Corporate Taxpayer)		처리기간 Processing period
7544-351-8466-210			즉시 Immediately
상호(법인명) Name of company	에스피피에스 주식회사 Sejong Power Plant Service Corporation		
사업자등록번호 Business registration number	136-81-31951		
성명(대표자) Name of representative	백영춘 PAIK YOUNG CHUN		
주민(법인)등록번호 Resident(Corporation) registration number	120111-0191718		
사업장소재지 Business Address	서울특별시 강서구 공항대로 222, 12층 1204호(마곡동, 발산타워) 1204, 222, Gonghang-daero, Gangseo-gu, Seoul, 222, Gonghang-daero, Gangseo-gu, Seoul		
개업일 Date of business commencement	2004년(Year) 06월(Month) 10일(Day)		
사업자등록일 Date of business registration	2004년(Year) 06월(Month) 23일(Day)		
업태 Business type	건설/제조 Construction/Manufacturing		
종목 Business item	화학세정공사업 Chemical Cleaning, Air Conditioning and Plumbing Related Works 화공약품, 화학세정제 외 Manufacture of Chemical Preparations for Photograph and Sensitized Materials		
공동사업자 Joint business owner	성명(법인명) Name(Name of company)	주민(사업자)등록번호 Resident(Business) registration no.	
	해당사항 없습니다 (No Data)		
<p>위와 같이 증명합니다. I certify that above information is true and correct to the best of my knowledge and belief. ※ 위 내용은 발급일 현재 상황으로서 추후 변경될 수 있습니다. The information is true as of the issue date of this certificate and it can be subject to change.</p>			
접수번호 Receipt No.	501119506830	2018년 8월 22일 Year Month Day	
담당부서 Department	민원봉사실 Taxpayer Service Center	강서세무서장 (인) Head of Gangseo District Tax Office (Stamp)	
담당자 Staff in Charge	정유나 Jeong Yu Na		
연락처 Telephone No.	02-2630-4226		

건설업등록증 Construction Business Registration Certificate

업종 : 기계설비공사업 등록번호 : 인천계양 2008-10-01
 Business Type: Machinery & Equipment Construction Construction Registration No.: INCHEONGYEYANG2008-10-01

상호 : 세종공업(주) 대표자 : 백영춘
 Name of Company: Sejong Power Plant Service Corporation Name of Representative: Paik Young chun

주된영업소 소재지 : 인천 계양구 작전동 901-3 세종팰리스빌딩 203호
 Address of Company: 203, sejong palace B/D, 714 Jangjuero, Gyeyang, Incheon, Korea

법인(주민)등록번호 : 120111-*****
 Corporation registration No.: 120111-*****

국적 또는 소속 국가명 : 대한민국 등록일자 : 2008.11.28
 Nationality: Republic of Korea Date of Registration: 2008.11.28

위 자는 건설산업기본법 제9조의 규정에 의한 건설업자임을 증명합니다.
 This is to certify that above mentioned company is an enrolled in compliance with Article 9 of Framework Act on the Construction Industry Act

2009년 11월 28일

인천광역시 계양구청장 (인)
 Incheon Metropolitan City Chief of Gyeyang District Office

변경사항 Changes items			
비경년월 Date	변경구분 Classification	변경내용 Changes contents	기록일 및 기록자 (서명 또는 인) Record Date & Confirmer
2009.3.30	대표자	전) 천상만 후) 이한민	2009.4.14 정경식
2012.2.2	상호 대표자	전) 세종공업(주) → 후) 에스피피에스(주) 전) 이한민 → 후) 이한민, 최의신	2012.2.17 정경식
2013.6.24	대표자	전) 이한민, 최의신 후) 이한민	2013.2.6, 정경식
2015.3.2	주거정식고	2018.3.2 일로 부터 30일 이내	2015.3.2 유원희
2017.3.7	대표자	전) 이한민 → 후) 박명채	2017.3.10 유원희
2019.6.30	대표자	전) 박명채 → 후) 우병규	2019.7.6 유원희
2018.1.16 2018.7.20	소재지 대표자	주전사 2동로 146, 4층(비동, 알파리코) 백영춘	2018.2.13 전영주 2018.4.1 전영주

Registration for Electrical Construction & Oversea Project.

■ 해외건설촉진법 시행규칙 [별지 제3호서식] <개정 2014. 2. 14> (앞쪽)

제 667 호
No.667

해외건설업 신고확인증
(Certification of International Contractor)

상 호 : 에스피피에스(주)
(Name of Company) (Sejong Power Plant Service Corporation Co., Ltd.)

대 표 자 : 백영춘
(Name of Company Representative) (Paik Young Chun)

법 인 등 록 번 호 (생 년 월 일) : [120111-0191718]
[Corperation registration number(date of Birth)]

신 고 업 종 : 전문건설업(기계설비공사업)
(Type of Business) (Machinery & Equipment)

주 린 사무 소 의 소재 지 : 서울특별시 강서구 공항대로 222, 1204호(마곡동)
(Address of Company) (#1204, 222, Gonghang-daero, Gangseo-gu, Seoul, Korea)

「해외건설촉진법」 제6조 제1항에 따라 해외건설업의 신고를 하였음을 증명합니다.
This is to certify that the above mentioned company is an enrolled international contractor in compliance with Clause 1 under Article 6 of Overseas Construction Promotion Act.

2013년 10월 29일

해외건설협회장
(Chairman of International Contractors Association of Korea)



해외건설업신고사항(상호, 대표자, 영업소소재지)이 변경된 경우 사유발생일로부터 30일 이내 반드시 변경신고를 하시기 바랍니다.

210mmx297mm [보존용지(1종) 120g/m²]



Major Customers

Construction firm



Heavy Industry firm





Qualified Engineer Status

Certificates for each classification

Classification	Description	Persons	Remark
Chemical	Analysis Technician	1	chemical analysis
Mechanical	Surveyor	1	Machine-specialized
Mechanical	Surveyor	1	Machine-intermediate level
Safety	HSE Engineer	1	Industrial safety engineer
	Hazardous Engineer	1	Dangerous Manager
Admin	FTA Manager	1	For procurement
	Biz Advisor	1	Management supervisor
	Biz I.T Accountant & ITQ	3	IT
	Auto CAD	3	IT
	Word Processor – 1 st	1	IT
	Licensed Real Estate	1	
	Japanese Language – 1st	1	
Total		13	

Status of equipment

Equipment	Spec.	Q'ty	Remark
Pump & Motor	450 m ³ /hr	2	SUS 316L
	240 m ³ /hr	10	"
	120 m ³ /hr	5	"
	60 m ³ /hr	6	"
Oil Flushing skid	2,500L/min	2	
	1,600L/min	3	
	1,200L/min	3	
	600L/min	2	
Oil Heater	Φ1,200 x 1,500mm	1	
Steam Boiler	5Ton/hr(Smoke tube type)	7	
	3Ton/hr(Once through type)	5	
	1Ton/hr(Once through type)	3	
Jet Cleaner	300 kg/cm ² x 25 ℓ/min	6	
	250 kg/cm ² x 20ℓ/min	6	
Heat Exchanger	3,000,000 kcal/hr	4	Plate Type
	6,000,000 kcal/hr	2	Plate Type
Tool Box	1,800mm x 1,000mm x 3,000mm	3	
	1,800mm x 1,000mm x 1,800mm	4	
Container	2,200*6,000*2,500mm	3	
	2,200*9,000*2,500mm	2	
Air Heater(M.N : SWH-100)	100,000 kcal/hr x Diesel	3	
Waste Water Tank	40 m ³	5	Carbon steel



Status of equipment

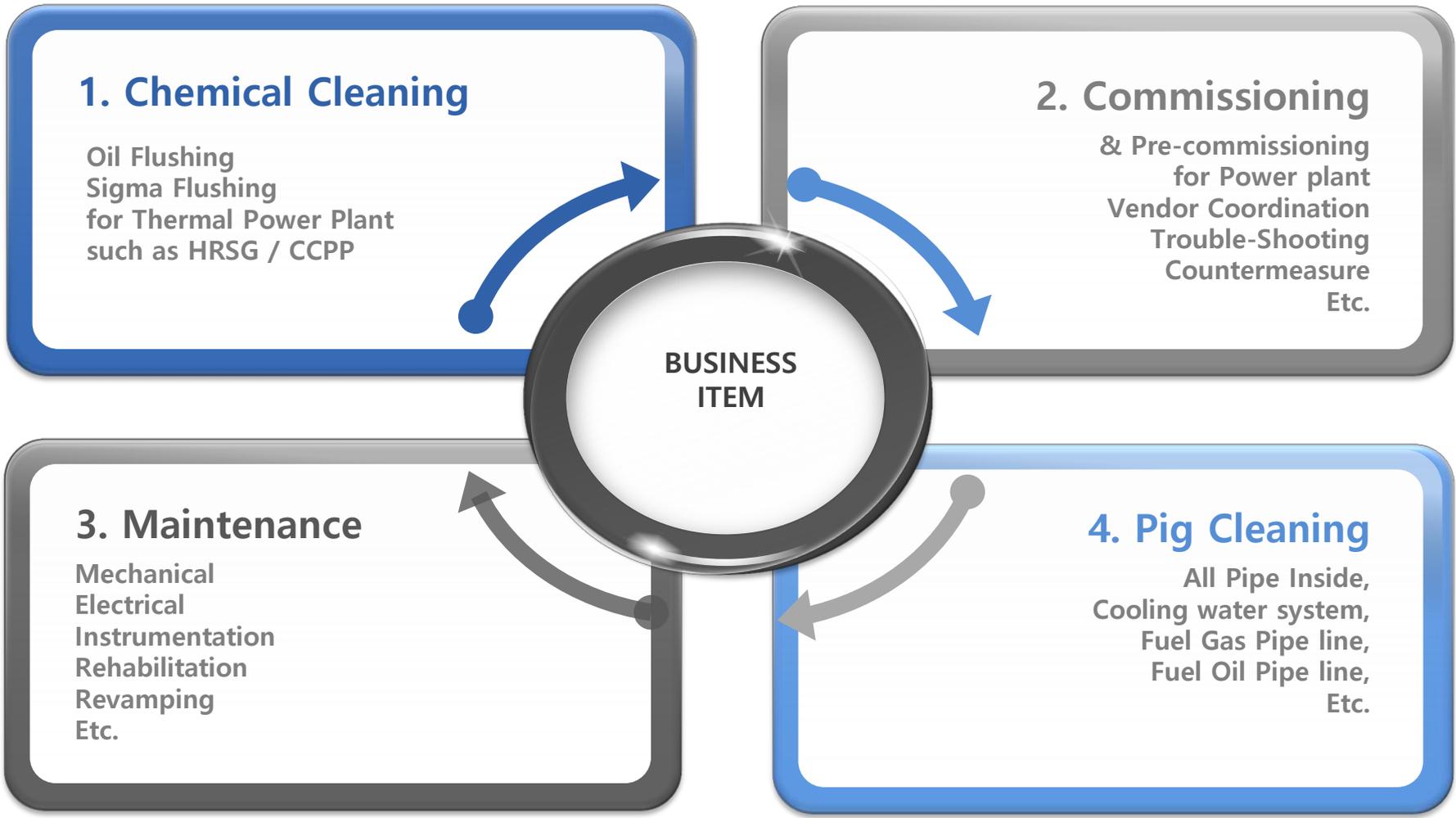
Equipment	Spec.	Q'ty	Remark
Circulation tank	10m ³ x ALL SUS	10	
	5m ³ x ALL SUS	5	
	4m ³ x ALL SUS	5	
Diesel Tank	10m ³ x ALL SUS	2	
	5m ³ x ALL SUS	2	
	3m ³ x ALL SUS	3	
	1m ³ c ALL SUS	2	
Hot plate & Magnetic stirrer	RPM2000 Temp 360°C	10	
Electric Balance	0.1 mg ~ 200 g	10	
pH Meter	1 ~ 14	10	
Turbidity Meter	0 ~ 999 NTU	10	
Conductivity Meter	0.1μs/cm ~ 1.0μs/cm	12	
Black Light	0~3,000Å	4	
Spectrophotometer	WLR 325~1,000nm	2	
Distill water machine	4ℓ/hr	2	
Borescope	3.5" TFT Monitor φ25mm	2	Lenth 30m
Oil Analyzer	0~1,000ppm	2	
Particle Counter	ISO1943:1999	2	Oil measuring instrument
Contamikit	YC-101 Nas 0~12	2	Oil measuring instrument
	YC-100 Nas 5~12	4	Oil measuring instrument
Oil velocity machine	15A~500A	4	

Status of equipment

Equipment	Spec.	Q'ty	Remark
High speed cutter	16"	10	
Drum Pump	150ℓ/min x 10m	10	
	200ℓ/min x 10m	10	
Tig Welding Machine	10kw x 300A	20	
Invert Welding Machine	5kw x 300A	5	
Down Transformer	440V → 380V x 30kva	2	
	440v → 220V x 15kva	1	
Electric Air Blower	7.1m ³ /min x 5kw	4	
Chain Block	10Ton	3	
	5Ton	5	
	3Ton	20	
	1Ton	30	
Hoist	3Ton	2	
Diaphragm pump	132 ℓ/min x 5kg/cm ²	5	
	132 ℓ/min x 5kg/cm ²	5	
Tube Cleaner	30A~250A	2	
High Pressure Hos	8A~50A	500 0m	
PVC Tank	10m ³	5	
	5m ³	10	



Company Business





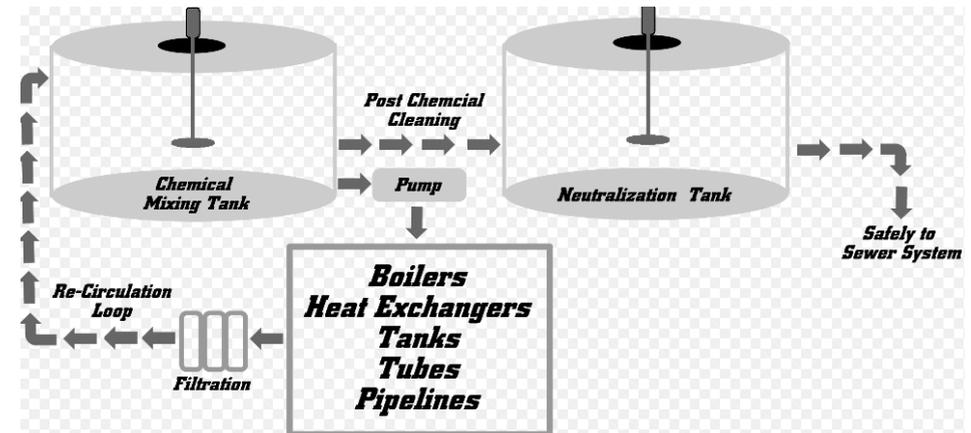
Chemical Cleaning Dept

Chemical Cleaning

Category	Chemicals Commonly Used	Typical Target Contaminant(s)
Acid	<ul style="list-style-type: none"> Citric Acid ($C_6H_8O_7$) Hydrochloric Acid (HCl) 	Inorganic scale
Base	<ul style="list-style-type: none"> Caustic (NaOH) 	Organics
Oxidants / Disinfectants	<ul style="list-style-type: none"> Sodium Hypochlorite (NaOCl) Chlorine (Cl_2) Gas Hydrogen Peroxide (H_2O_2) 	Organics; Biofilms
Surfactants	<ul style="list-style-type: none"> Various 	Organics; Inert particles

Before treatment

After treatment





Chemical Cleaning Dept



Waste Chemicals Transfer Tankrolly



Steam Drum Jet Cleaning

Chemical Cleaning
Byeol-nae Combined Heat & Power

Before



Before chemical cleaning Steam Drum

After



After chemical cleaning Steam Drum



Chemical Cleaning Dept

Certificates

KSR KOREA KNOWLEDGE STANDARDS REGISTRAR

Certificate of Quality Management System

This is to certify that Quality Management System of
SEJONG POWER PLANT SERVICE CO.
 Alpha Tech 4-F, 146, Ojeong-ro, Bucheon-si, Gyeonggi-do, Korea

applicable to
DESIGN, DEVELOPMENT, CONSTRUCTION AND SERVICE OF PIPE CHEMICAL CLEANING WORKS

has been assessed and registered by Korea Knowledge Standards Registrar Company Limited against the provisions of
ISO 9001:2015 / KS Q ISO 9001:2015

This registration is subjected to the company maintaining an Quality management system, to the above standard, which will be monitored by Korea Knowledge Standards Registrar.

Certificate No. QMC-0962	Original Approval Date 10-May-2010
Approved date 19-Apr-2018	Expiry Date 28-Apr-2018 ~ 27-Apr-2021

※ Re-issue due to re-certification/change application standard/change of address

Audit Team Leader **Eung-Suk, Kim** *[Signature]* President **Jang Sub Kim** *[Signature]*

Korea Knowledge Standards Registrar was accredited as Quality Management System certification body (Accreditation Number: KAB-QC-29) by Korea Accreditation Board (KAB) and it is based on multilateral recognition arrangement (MLA) from IAF. This certificate is the property with Korea Knowledge Standards Registrar then if required, you should return at once. 1106, 55, Digital-ro 34-gil, Guro-gu, Seoul, Korea (Tel. 82-2-2025-2674-6, Fax. 82-2-850-3329)

KSR KOREA KNOWLEDGE STANDARDS REGISTRAR

Certificate of Environmental Management System

This is to certify that Environmental Management System of
SEJONG POWER PLANT SERVICE CO.
 Alpha Tech 4-F, 146, Ojeong-ro, Bucheon-si, Gyeonggi-do, Korea

applicable to
DESIGN, DEVELOPMENT, CONSTRUCTION AND SERVICE OF PIPE CHEMICAL CLEANING WORKS

has been assessed and registered by Korea Knowledge Standards Registrar Company Limited against the provisions of
ISO 14001:2015 / KS I ISO 14001:2015

This registration is subjected to the company maintaining an Environmental management system, to the above standard, which will be monitored by Korea Knowledge Standards Registrar.

Certificate No. EMC-0310	Original Approval Date 28-Apr-2009
Approved date 19-Apr-2018	Expiry Date 28-Apr-2018 ~ 27-Apr-2021

※ Re-issue due to re-certification/change application standard/change of address

Audit Team Leader **Eung-Suk, Kim** *[Signature]* President **Jang Sub Kim** *[Signature]*

Korea Knowledge Standards Registrar was accredited as Environmental Management System certification body (Accreditation Number: KAB-EC-23) by Korea Accreditation Board (KAB) and it is based on multilateral recognition arrangement (MLA) from IAF. This certificate is the property with Korea Knowledge Standards Registrar then if required, you should return at once. 1106, 55, Digital-ro 34-gil, Guro-gu, Seoul, Korea (Tel. 82-2-2025-2674-6, Fax. 82-2-850-3329)



Chemical Cleaning Dept

Certificates



Certificate of Occupational Health and Safety Management System

This is to certify that Occupational Health and Safety Management System of

SEJONG POWER PLANT SERVICE CO., LTD.

Balsan W Tower 12-F, 1204-ho, 222, Gonghang-daero, Gangseo-gu, Seoul, Korea

applicable to

1. CONSTRUCTION AND SERVICE OF INDUSTRIAL FACILITIES & POWER GENERATION FACILITIES
2. DESIGN, DEVELOPMENT, CONSTRUCTION AND SERVICE OF PIPE CHEMICAL CLEANING WORKS

has been assessed and registered by Korea Knowledge Standards Registrar Company Limited against the provisions of

K-OHSMS 18001:2007 / OHSAS 18001:2007

This registration is subjected to the company maintaining an Occupational Health and Safety management system, to the above standard, which will be monitored by Korea Knowledge Standards Registrar.

Certificate No. SMC-0286	Original Approval Date 09-Nov-2012
Approved date 04-Oct-2018	Expiry Date 09-Nov-2018 ~ 08-Nov-2021

Re-issue due to re-certification/change of address/certification scope change

Audit Team Leader Hyeon-Woong, Yoon  President Jang Sub Kim 




Korea Knowledge Standards Registrar was accredited as Occupational Health and Safety Management System certification body (Accreditation Number: KAB-OC-07) by Korea Accreditation Board(KAB)
This certificate is the property with Korea Knowledge Standards Registrar then if required, you should return at once.
1106, 55, Digital-ro 24-gil, Guro-gu, Seoul, Korea (Tel. 82-2-2025-2674-6, Fax. 82-2-850-3229)



제 180103-02339 호

경영혁신형 중소기업(Main-Biz) 확인서

업 체 명 : 에스피피에스주식회사
 대표자명 : 백영춘
 주 소 : 서울 강서구 공항대로 222
 발산더블유타워1204호 (마곡동)
 유효기간 : 2018.10.10 ~ 2021.10.09

위 업체는 경영혁신형 중소기업 육성사업에 의해 선정된 경영혁신형 중소기업(Main-Biz)임을 확인합니다.



2018 년 10 월 10 일

중소벤처기업부장관인 

Experience Record

Domestic

Date	Project Name	Client
2004	Chemical Cleaning & Oil Flushing for SPM Hyd' & L/O system of Hyundai HYSCO cold rolling mill in Dangjin	Hyundai Hysco
	Chemical Cleaning & Oil Flushing for CCL Hyd' & L/O system of Hyundai HYSCO cold rolling mill in Dangjin	Hyundai Hysco
	Chemical Cleaning for #3 COKE C.D.Q Boiler of POSCO in Kwangyang	POSCO Construction
2005	Oil Flushing for thick plate mill Hyd' system of POSCO in Pohang	POSCO Construction
	Chemical Cleaning & Oil Flushing for PL Hyd' & system of Hyundai HYSCO cold rolling mill in Dangjin	Hyundai Hysco
	Oil Flushing for Hot strip mill C/BED HYD' System of INI STEEL in Pohang	INI Steel/Shin Sung ENG
	Chemical Cleaning & Oil Flushing for PL Hyd' & L/O system of Hyundai HYSCO cold rolling mill in Dangjin	Hyundai Hysco
	Chemical Cleaning & Oil Flushing for #4 COKE C.D.Q Boiler of POSCO in Kwangyang	POSCO Construction
	Chemical Cleaning & Oil Flushing for PGL Hyd' & L/O system of Hyundai HYSCO cold rolling mill in Dangjin	POSCO Construction
	Oil Flushing for thick plate mill Hyd' system of POSCO in Pohang	POSCO Construction
	Oil Flushing for Hot strip mill Hyd' system of Dongkuk steel in Pohang	Dongkuk Steel
	On-line Chemical Cleaning for TCM LUB & MUG Oil System of Hyundai HYSCO cold rolling mill in Dangjin	Hyundai Hysco
	Oil Flushing for CAL Hyd' of Hyundai HYSCO cold rolling mill in Dangjin	Hyundai Hysco
	Chemical Cleaning & Oil Flushing for Hot strips mill of SEA BESTILL in Kunsan	SEA Besteill
	Chemical Cleaning & Oil Flushing for Hot strips mill of INI STEEL in pohang	INI Steel

Experience Record

Domestic

Date	Project Name	Client
2006	Chemical Cleaning & Oil Flushing for Sakhalin 1 EPC-1 OPF PJT(Gas Platform)	Hyundai Heavy Industry Company
	Chemical Cleaning & Oil Flushing for BP Plutonio PJT	Hyundai Heavy Industry Company
	Chemical Cleaning & Oil Flushing for Hot strips mill of INI STEEL	INI Steel
	POSCO New 2 Hot strip mill construction Oil Flushing	POSCO Construction
	POSCO 2 Thick plate Hydraulic facilities construction Oil Flushing	POSCO Construction
	Oil Flushing for HYD'&OIL LUB' System	POSCO Construction
	Chemical Cleaning & Oil Flushing for Bloom CCM plant of SEA BESTILL in Kunsan	SEA Besteil
	Chemical Cleaning for Exchanger & EP of Polymer Factory	SK Corp
	Ulsan Hyosung NF3 Factory Equipment Chemical Cleaning	Hyosung Construction
2007	Chemical Cleaning for Doopex 1 Boiler of Doosan Heavy Ind. in Changwon	Doosan Heavy Industry company
	Chemical Cleaning for #1 COKE C.D.Q Boiler of POSCO in Kwangyang	POSCO Construction
	Oil Flushing for Skin Pass Mill Hyd' line of SEA BESTILL in Kunsan	SEA Besteill
	Alkali Cleaning for HRSG of Hwaseong cogeneration power plant	KDHC/Daewoo Construction
	Pig Cleaning for Fuel Gas Line of Hwaseong cogeneration power plant	KDHC/Daewoo Construction
	Chemical Cleaning for Fuel Gas Booting Compressor Line of SK Complex in Ulsan	SK Construction
	Chemical Cleaning for Boiler of Nonhyun state cogeneration power plant	Daewoo Construction

Experience Record

Domestic

Date	Project Name	Client
2007	Chemical Cleaning for #3 COKE CDQ Boiler of Posco in Pohang	POSCO Construction
	Chemical Cleaning for Chilled Water line of FPSO S325	Hyundai Samho Corp
	Chemical Cleaning for Hydrogen Peroxide system of HPPO PJT	SKC
	Chemical Cleaning for 5159-CA (Exchanger)	SKE
2008	Chemical Cleaning for Upper hood of POSCO in Kwangyang	Saehwa Corp
	Chemical Cleaning & Oil Flushing for TOTAL AKPO FPSO PJT	Hyundai Heavy Industry Company
	Chemical Cleaning for Heat Exchanger & EP of Synthetic Resin Factory	SKE
	Chemical Cleaning for HRSG of Songdo in Incheon, Korea	Doosan Heavy Industry company
2009	Oil Flushing for USAN FPSO-USCF in Ulsan, Korea	Hyundai Heavy Industry Company
	Chemical Cleaning & Oil Flushing for Hyundai Steel C Hot Rolling Mill Plant in Dangjin, Korea	Hyundai Steel
	Chemical Cleaning for Shinkori Nuclear Power Plant Units 1&2 in Ulsan, Korea	Hyundai Construction
2010	Chemical Cleaning & Oil Flushing for USAN PJT in Ulsan	Hyundai Heavy Industry Company
	Oil Flushing for NR 2 PJT in Ulsan	Hyundai Heavy Industry Company
2011	Chemical Cleaning for HRSG of Jungkwan in Busan, Korea	Hyundai Construction
	Chemical Cleaning for Freshwater Transfer pump package NR2	Hyundai Heavy Industry Company
	Chemical Cleaning for Yeosu CFBC Boiler Steam Line Pig Cleaning	Hyundai Construction
	Chemical Cleaning for Shinkori Nuclear Power Plant Units 3&4 in Ulsan	Hyundai Construction

Experience Record

Domestic

Date	Project Name	Client
2012	Chemical Cleaning for HRSG of Oseong CCPP Project in Pyongtaek	SK Construction
	Chemical Cleaning for Reactor coolant pump Water Flushing and Jet Cleaning	KAERI
	IGD DAS Chemical Cleaning & Oil Flushing	Hyundai Heavy Industry Company
	Chemical Cleaning for RO Line Piping of Songdo Bio Edison Project In Incheon	Sam Sung Construction
	Chemical Cleaning for GSC VGOFCC Project	GS Construction
	Chemical Cleaning for Byeol-nae Combined Heat & Power	KDHC
2013	Chemical Cleaning & Oil Flushing for Gori Nuclear Power Plant Units1 in Ulsan, Korea	KHNP
	Chemical Cleaning for Yang-Ju Combined Heat & Power Plant	Hanjin Heavy Industry Company
2014	Chemical Cleaning for Methanol Converter Inside	Doosan Construction
	Chemical Cleaning for HRSG of Innocity in Daegu, Korea	Sam Sung C&T
	Chemical Cleaning for V-Project OBL, IBL	SK Construction
	Chemical Cleaning for Pyongtaek Power Plant, West Coast of Korea	KOWEPO
	Chemical Cleaning & Oil Flushing for Clair Ridge in Ulsan, Korea	Hyundai Heavy Industry Company
2015	Alkali Cleaning for Song-Do EDISON 2 PROJECT	Daegu Green Power Co., Ltd.
	Oil Flushing for BCP, Ulsan	Hyundai Heavy Industry Company
	Chemical Cleaning for Wonju RDF Project	SK Construction
	VRHCR Revamp-612K151 Chemical cleaning	GS Caltex Corp.



Experience Record

Domestic

Date	Project Name	Client
2015	Chemical Cleaning for GE #4 Project in Gunjang energy	Lotte Construction
	Chemical Cleaning for Tae An Unit 9,10 Power Plant, West Coast of Korea	KOWEPO
	Chemical Cleaning for KNC NX-E1301 in Ulsan	SK Chemical Co., Ltd
	Chemical Cleaning for Yeosu Kumho Petrochemical ACC	SamSung ENG
2016	Chemical Cleaning & Oil Flushing for Jangkrik FPU in Ulsan	Hyundai Heavy Industry Company
	Chemical Cleaning & Oil Flushing for Badamyar in Ulsan	Hyundai Heavy Industry Company
	Chemical Cleaning & Oil Flushing for Bergading in Ulsan	Hyundai Heavy Industry Company
	Chemical Cleaning for Bukpyeong Air Preheater Unit 1,2 Thermal Power Plant	STX Corporation
2017	Tube Chemical Cleaning for Daerun Power Plant Condensate System	Daerun Power Company
	Chemical Cleaning for of Boiler #1 Unit in Taean coal-fired power plant	KOWEPO
	Chemical Cleaning for of P.V.L System Unit #9&10 in Taean Coal-Fired Power Plant	MHI
	Chemical Cleaning for Jeonnam Naju Combined Cycle Power Plant	Hansol Sintec Co.,Ltd
2018	Chemical Cleaning for Ulsa S-OIL RUC PROJECT AREA2 & AREA3	Daewoo Construction
	Chemical Cleaning for Jeju LNG HRSG Project in Jeju Island	Doosan Construction
	Chemical Cleaning for Boiler #4 Unit in Hadong	KOWEPO
	Chemical Cleaning for Boiler #1&2 Unit in New Borung Coal-Fired Power Plant	Jeicon Co.,Ltd



Experience Record

Domestic

Date	Project Name	Client
2018	Chemical Cleaning for Air Preheater Jet Cleaning Bukpyeong thermal power plant	GS Donghae Electric Power Co., Ltd.
	Chemical Cleaning for Jeju LNG Fuel Gas / Fuel Oil Project in Jeju Island	Doosan Construction
2019	Chemical Cleaning for Boiler Tube Outside Cleaning Hanwha total	Hanwha Total Petrochemical Co., Ltd.
	Chemical cleaning for 2019 TA C3 Splitter process heat exchanger	GS Caltex Corp.
	Chemical cleaning for (400MW) Seoul Power Station #1, #2	Lotte Construction
	Chemical Cleaning for of Boiler #8 Unit in Taean coal-fired power plant	KOWEPO
	Chemical Cleaning for ADL PROJECT PKG1,2 LUBE OIL FLUSHING Hanwha total	Hanwha Total Petrochemical Co., Ltd.
	Chemical Cleaning for of Boiler #3 Unit in Taean coal-fired power plant	KOWEPO
	Cleaning for HRSG #3~6 Tube Cleaning KOREA EAST-WEST POWER CO.,LTD	KOEWPO
	Chemical Cleaning for S-Project-Chemical Cleaning	SK Construction
	Cleaning for Heat Equipment Cleaning Busan-Jung Kwan Energy	Busan-Jung Kwan Energy
	Chemical Cleaning for of Boiler #2 Unit in Yong-Dong thermal power plant	Gangneung Eco Power
2020	Chemical Cleaning for of Boiler #7 Unit in Taean coal-fired power plant	KOWEPO
	Chemical Cleaning for HRSG #4 Tube Cleaning in Ulsan thermal power plant	KOWEPO
	Chemical Cleaning for Resource Recovery at Bio-waste in Nowon	DongyangPlant

Experience Record

Overseas

Date	Country	Project Name	Client
2004	UAE	Umm Al Nar 1550MW IWPP Project	TOSHIBA
2006	Libya	Zawia CCPP Project	Hyundai Construction
2008	Nigeria	AFAM VI CCPP Project	Daewoo Construction
	UAE	Al Taweelah A10 Power Project	Doosan Heavy
	Vietnam	POSCO Full Hard Project Vung Tau	POSCO Construction
2009	Libya	Benghazi CCPP Project(FG Line) Pig Cleaning	Daewoo Construction
	Qatar	Ras Laffan C IWPP Project(FG Line) Pig Cleaning	Hyundai Construction
2010	UAE	Jebel Ali Power & Desalination Station 'M Project(HVAC Lind Pig Cleaning)	Doosan Construction
	Libya	Benghazi/Misurata CCPP Project	Daewoo Construction
2011	Peru	Kallpa HRSG Chemical Cleaning	POSCO Construction
2012	Peru	Chilca Uno Chemical Cleaning	POSCO Construction
	Bangladesh	New Haripur Power Plant Project	Hyundai Construction
	UAE	Shuweihat S3 IPP Project	Hyundai Construction
2013	Saudi Arabia	Shoiba2 CCPP Project	Daelim Construction
2014	Vietnam	Mong Duong-1 Thermal Power Plant Project(FO Lice Pig Cleaning)	Hyundai Construction
	Ghana	Takoradi T2 Expansion Project	Woolim Plant Corp
	Cote d'Ivoire	Azito Phase 3 Extension Project	Hyundai Construction

Experience Record

Overseas

Date	Country	Project Name	Client
2015	Turkmenistan	Turkmenbashi Oil Refineries Complex Project	Hyundai Construction
2016	Saudi Arabia	Rabih2 IPP Project	SamSung C&T
	UAE	AL Mirfa CCPP Project Pig Cleaning	Hyundai Construction
	Vietnam	Thai Bin1 Thermal Power Plant Project Chemical Cleaning	JURONG ENG
	Morocco	Morocco SAFI CCPP Project Chemical Cleaning	Daewoo Construction
	Philippines	Philippines CBNC ECO Tube Jet Cleaning	Hansol SeenTec Co., Ltd
	UAE	AL Mirfa CCPP Project Chemical Cleaning	Hyundai Construction
	UAE	UAE BNPP CP-P1 #2,3,4 Process Piping Cleaning	Yunchang Engineering Co., Ltd.
2017	Turkmenistan	Turkmenistan Ethane Crackerand PE/PP Project Chemical Cleaning Works	Hyundai Engineering Co.,Ltd
	Uzbekistan	UKAN Project Chemical Cleaning & Oil Flushing	Hyundai Engineering Co.,Ltd
	Vietnam	Thai Bin2 Thermal Power Plant Project Chemical Cleaning	Daelim Construction
2018	Indonesia	KALSEL-1 COAL RIED POWER PLANT PROJECT	Hyundai Engineering Co.,Ltd
	Morocco	Morocco SAFI CCPP Project Chemical Cleaning	Daewoo Construction
	Philippines	Masinloc Thermal Power Plant Project Oil Flushing	Posco Construction
2019	UAE	UAE BNPP CP-P1 #2,3,4 Process Piping Cleaning	Yunchang Engineering Co., Ltd.



Experience Record

Overseas

Date	Country	Project Name	Client
2020	Vietnam	Song Hau 1 Thermal Power Plant Project Chemical Cleaning	Doosan Construction



Experience Record

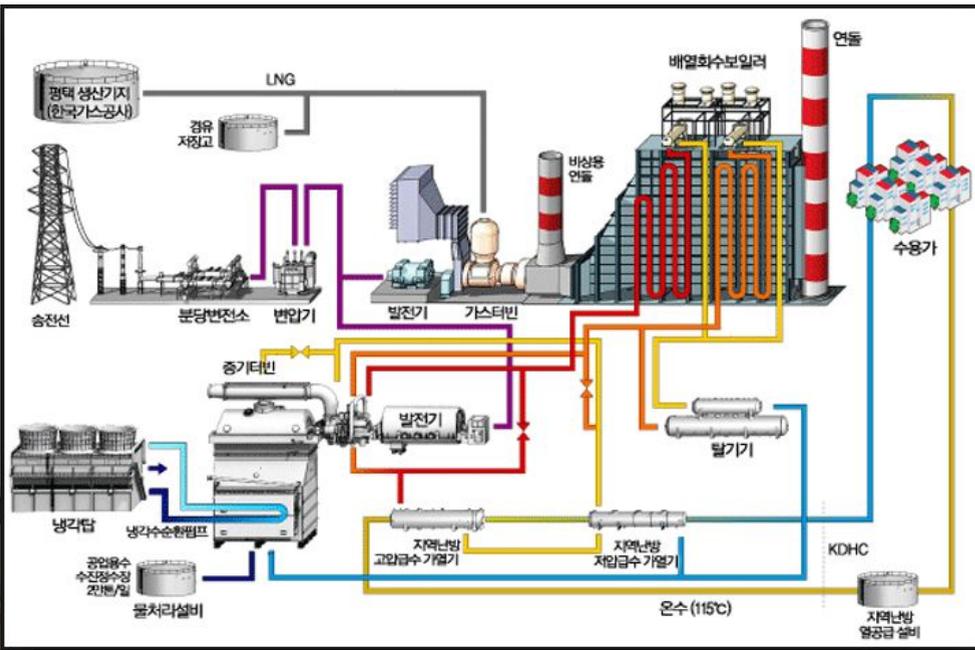
Overseas-Commissioning

Date	Country	Project Name	Client
2013	Peru	Commissioning Services for Peru Kallpa HRSG	DHIC/Sejong Corp
	Peru	Commissioning Services for Peru Chillca Uno	DHIC/Sejong Corp
2016	Algeria	Commissioning Work for Algeria Ain Arnat CCPP	SoonSan ENS
2019	Vietnam	Commissioning Management Services for Thai Binh2 Thermal Power Plant	Daelim Construction



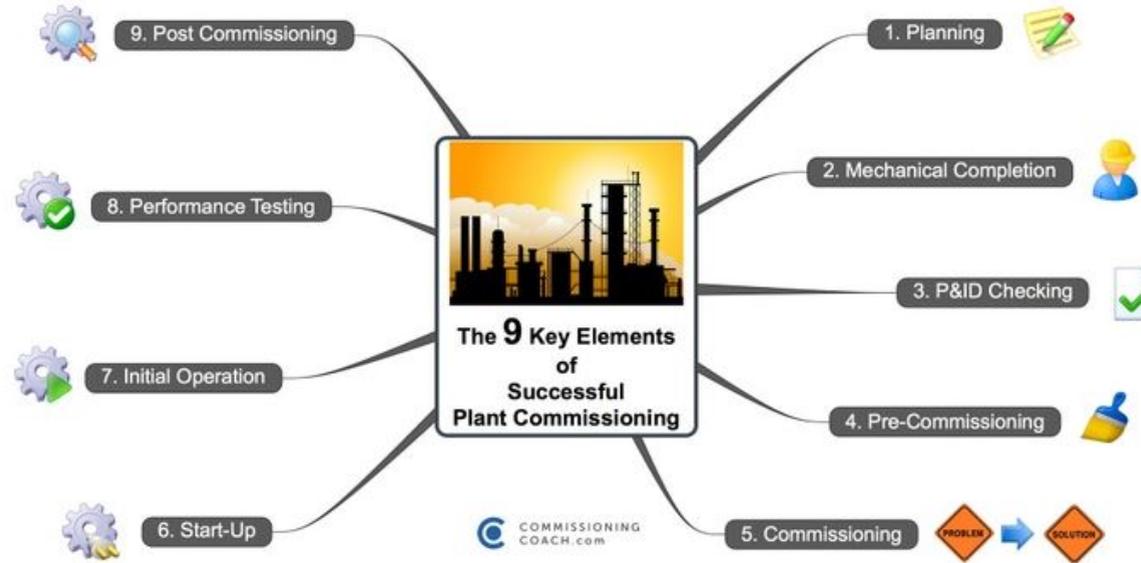
Commissioning Dept

Commissioning & Operation





Commissioning Dept





Commissioning Dept

1. Technical Manpower for Commissioning

Classification	Person
Pre-commissioning	10
Commissioning	30
Maint – Mech	8
Chemical	15
Total	63

2. Manpower Dispatching Experience

- Domestic –

- . Jangmun CCPP
 - . Osan Cogen
 - . Kunjang Ennergy
 - . Pocheon Daewoo CCPP
 - . Seokmon Energy Comlex
 - . Yeosu CFB PP
- TOTAL 120 persons per 3 Yrs.

- Oversea –

- . UAE Mirpa P&D
 - . Saudi Arabia Rabiq-2 & Yanbu-1&2
 - . Algeri Biskra Arnat
 - . Turkey Tubanbelli
 - . Morocco Safi
 - . Kenya Geothermal Power
 - . Malaysia Prai CCPP
 - . Indonesia Sarula
 - . Vietnam Omon 1 & 2 .. And others
- TOTAL 130 persons per 3 Yrs

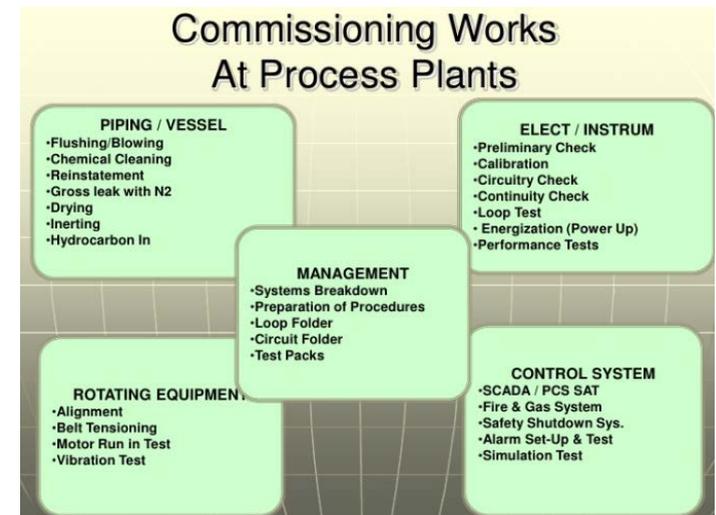


Commissioning Dept

3. Additional M/P 100 Person Recruit Plan

Qualified Experts

- for Pre-commissioning & Commissioning Documents.
- for Power Plant Life Cycle Evaluation & Extension.
- for Performance Test & Reliability Run.
- for Electrical Transfer Line.
- for the Job Training Center Operation.



4. For the Future

- Mechanical & Electrical Work for Power Plant Construction & Maintenance.
- Electrical Work for Building Project.
- Trouble-shooting & Countermeasure for Power Plant
- Rehabilitation & Repowering for Existing Power Plant.
- LED Development , Procurement & Construction.

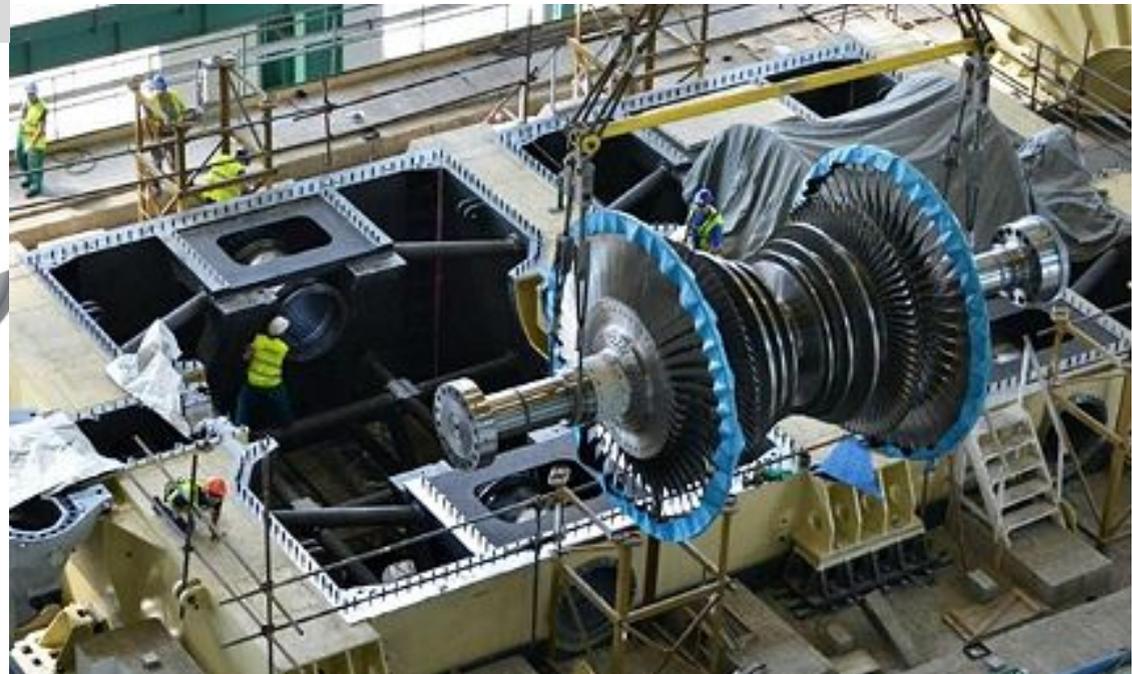
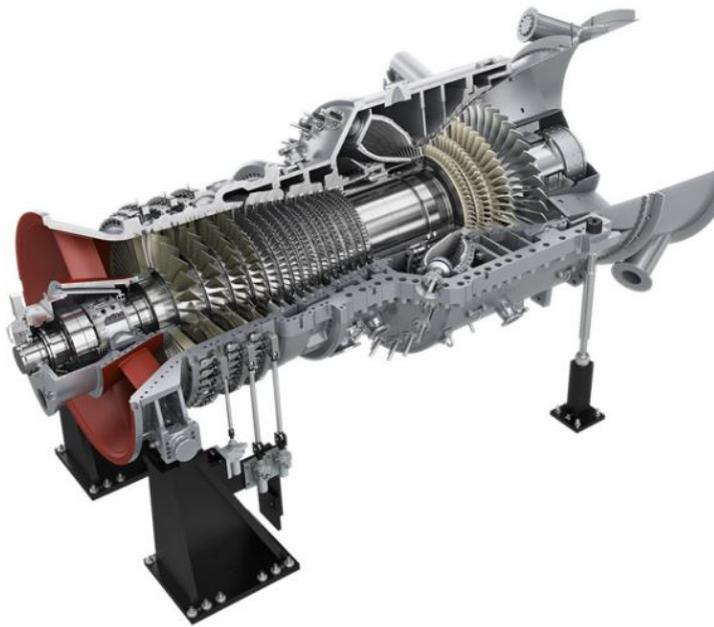


Maintenance Dept

Maintenance & Construction Work

POWER PLANT MAINTENANCE

The facts on cost, strategies and plant optimisation





Maintenance Dept

Detail Activities and Manpower Mobilization

Description	Working Crew	Remark
GT. ST. Generator & Boilers Maintenance	3 crews	With Vendor Sup'r
Transformer, CT/VT and Electrical Equipment Repair	2 crews	Elec & Inst
STL/STR & Pipe lines Modification	3 crews	Mech & PPG
Concrete Foundation & Building Remodeling	2 crews	Civil & Arch
Underground Piping & Facilities Repair	1 crews	Civil & PPG
Temporary Facilities & Scaffolding Work	1 crews	Mech
TOTAL	12 crews	





Maintenance Dept

MAINTENANCE SCOPE

STEAM & GAS TURBINE
SPARE PARTS



GUIDE & THRUST BEARINGS



COOLING SYSTEMS



TRANSMISSION & GEARBOXES



PROCESS & PIPELINE
EQUIPMENT



INDUSTRIAL PUMPS



MECHANICAL EQUIPMENT



MECHANICAL REPAIRS



QA / QC Follow up

- **Design Manual ...**
It contains Drawing lists, Diagrams, Descriptions, Technical Data, etc.
- **Operation Manual ...**
It contains Documents needed for the Operation of the Power Plant.
- **Maintenance Manual ...**
It contains Documents for understanding the function of the Components and Systems and for their Maintenance.
- **Commissioning Manual...**
It contains necessary Documents for Commissioning, e.g. Procedures, Schedules of Inspections and Tests, Job Descriptions.
- **Spare Parts Catalogue...**
It contains Essential and Recommended Spare parts list according to the Contract.
- **Index for Manuals...**
It contains list of Components and Systems directly linked to the particular PDF files (Manuals).





Experience Record

Maintenance

Date	Country	Project Name	Contractor
2008.07	UAE	Al-Taweelah A10 Proj HRSG Piping & Insulation.	Doosan Heavy
2010.12	Korea	Hadong Thermal P P. No.1~4 - Maintenance for I&C system.	KPS Corp
2011.09	Korea	Hadong Thermal P P No.3~8 – Maintenance for Mechanical	KPS Corp
2012.03	Korea	Tae-An Thermal P P No.2 – Maintenance for Low Pressure Motor & Electrical Auxiliary Facilities	KPS Corp
2012.04	Korea	Incheon CCPP. No.3~4 – Maintenance fo LP Evaporator	KPS Corp
2012.04	Korea	Incheon CCPP. – Maintenance for I.D.Fan & F.D.Fan	Pipe-Tech Korea
2012.04	Korea	Yung-Heung P P No.3 – Overhaul Maintenance for Turbine & Valves.	KPS Corp
2012.05	Korea	West-Incheon CCPP – I & C Cable Installation for No.14	KPS Corp
2012.05	Korea	Pyung-Taek. P P. No.2 – Maintenance for Boiler Header, Tube & Valves.	KPS Corp
2012.05	Korea	Pyung-Taek. P P. No.2 – Maintenance for Low Pressure Motor & PNL.	KPS Corp
2012.05	Korea	Pyung-Taek. P P. No.3 – Temporary Piping for Chemical Cleaning	KPS Corp
2012.07	Korea	West-Incheon CCPP – Maintenance for GT Exhaust Duct	KPS Corp
2012.09	Korea	Tae-An Thermal P P No.7 – Overhaul Maintenance.	Kps Corp
2012.10	Korea	2012Yr. Incheon Energy – Maintenance for Electrical & Instruments	Kps Corp



New & Oversea Project Development

STATUS :

- 1. Chemical Cleaning & Pre-commissioning
- 2. Commissioning & Start-Up Operation.
- 3. Operation & Maintenance
- 4. Consulting for Rehabilitation & Re-powering
- 5. Bio-mass Power Plant
- 6. Small Hydraulic Power Plant





Overseas Branch



Vietnam Branch

SPPS VINA Co.,Ltd. (SPPS VINA)

Board Dir : Mr. Paik Young chun.

Address : Thon Nghia Dung, Xa Dai Son Huyen, Tu Ky,Tinhai Hai Duong Province City, Viet Nam



Indonesia Branch

PT.SEJONG POWER INDONESIA

Board Dir : Mr. Paik Young chun.

**Address : Ji.Wijaya I No.381 C-D Lantai 3 RT/RW.011/001
Kelurahan Petogogan, Kecamatan Kebayoran Baru
Kota Administrasi Jakarta Selatan**





Overseas



NIGERIA
AFAM VI CCPG Plant Project



LIBYA
Misurata Combined Cycle Project



PERU
Kallpa Combined Cycle Project



LIBYA
Zawia Combined Cycle Project



Portfolio



U.A.E
Umm Al Nar IWPP Project



U.A.E
Jebel Ali M IWPP Project



U.A.E
Shuweihat S3 IPP Project



QATAR
Ras Laffan C IWPP Project



Portfolio

VIETNAM

Mong Duong-1 TPP Project



GHANA

Takoradi T2 Expansion Project



Cote d'Ivoire

Azito Phase3 Extension Project



BANGLADESH

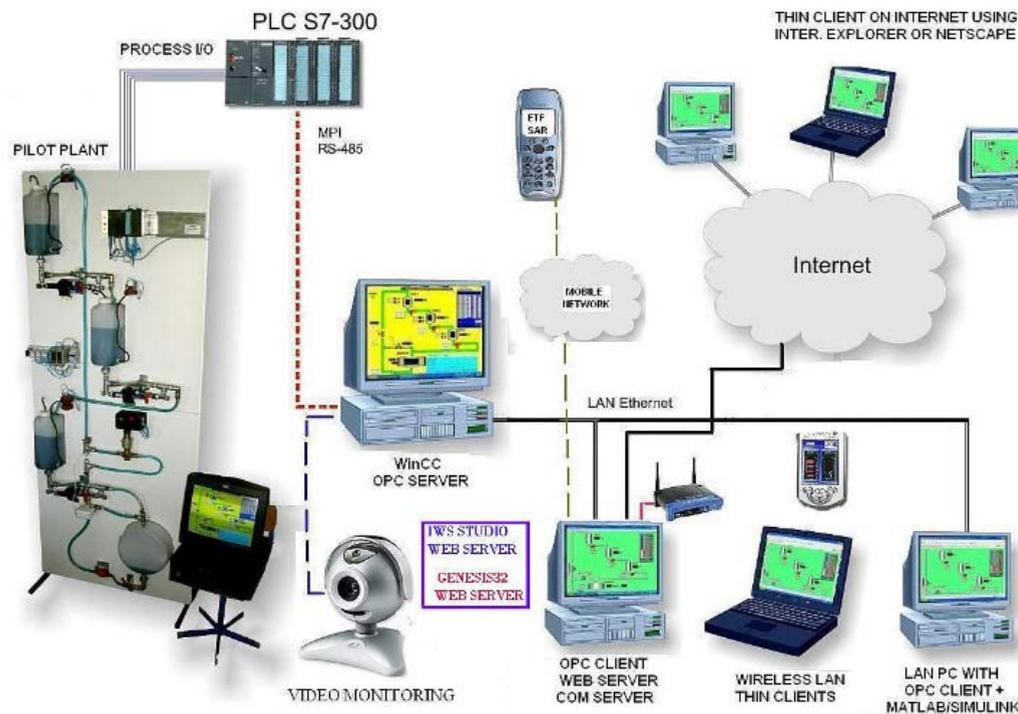
New Haripur Power Plant Project





R & D LAB

R&D Laboratory and Training Center



Status :

- Manual & Documents for Power Plant Pre-commissioning & Commissioning.
- New Technology Development.
- Plasma Thermal Power Plant.
- PLC system & other concerning matters.
- Podosee Digital Photo-shop system.
- Staff & Engineer Training.



Address :

* Research Institute of Energy & Resources. Room.No 135-309 in Seoul National Univ



Power Plant



**POWER
Plant**

Power Plant in Domestic

Incheon Songdo Bio Edison Proj.



Busan Jungkwan Cogen Proj.



Byeolnae CCPP proj.



Hwaseong Cogen Proj





Power Plant in Domestic

Daegu Inno-city Cogen Proj



Oseong CCPP Proj



Yang-Ju CCPP Proj.



Pyongtaek CCPP Proj





Petro-Chemical Plant



Petro-Chemical Plant



Petro-chemical Plant

SK Petrochemistry., V-Project





Petro-Chemical Plant

GS Corp.,

VGO / FCC



VR / HCR





Petro-Chemical Plant

TOTAL ,

AKPO Ship-Building





Working View



**Chemical Cleaning
Working - View**



Chemical-Cleaning View



Before chemical cleaning
Adsorbent chamber bed line



After chemical cleaning
Adsorbent chamber bed line

Chemical Cleaning
SK Petro-chemistry
V Project
(PX Plant)



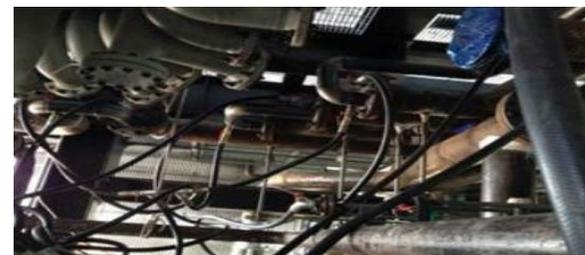
Before chemical cleaning
Adsorbent chamber bed line



After chemical cleaning
Adsorbent chamber bed line



Temporary piping
Pump station



Temporary piping
Rotary Valve



Temporary piping
Adsorbent chamber bed line



Temporary piping
Adsorbent chamber bed line



Chemical Cleaning View



Pump station



Temporary piping
Main circulation line

Chemical Cleaning
Pyongtaek
Power Plant
Phase 2



Before chemical cleaning Steam Drum



After chemical cleaning Steam Drum



Chemical Cleaning View



Pump Station
Circulating Pump



Pump Station
Steam Boiler

Chemical Cleaning Byeol-nae CCPP



Temporary Piping
CPH Supply & Return Line



Temporary Piping
BFP LP&HP Supply Line



Temporary Piping
Waste Water Transfer Line



Steam Drum Inside
Test Piece Install



Chemical Injection



Passivation Water drain to
Waste Water Pond



Chemical Cleaning View



Before chemical cleaning
Steam Drum



After chemical cleaning
Steam Drum

Chemical Cleaning
Cote d'Ivoire
Azito Phase 3 Extension
Project



Liquid detergent(NP-10) injection



Chemical cleaning after inspection



Temporary piping for pump



Waste water transfer piping



CEP Connection pipe



HP BFP Discharge line connection pipe



Pig Cleaning View

Pig Cleaning Execution



Pig Launcher
Ras laffan, Qatar



Pig Launcher
Ras laffan, Qatar



Brush & Sponge pig



Brush & Sponge pig



Pig launcher



Pig receiver



Pig receiver



After pig cleaning



Oil Flushing View

Oil Flushing Execution



POSCO-Vietnam
Cold Rolling Mill Plant



DAEWOO SHIPBUILDING & MARINE ENGINEERING-Geoje
Tungsten Explorer Derrick



Hyundai Steel-Dangjin



Hyundai Steel-Dangjin



Hyundai Heavy Industries-Ulsan
BP PLUTONIO Project



Hyundai Heavy Industries-Ulsan
BP PLUTONIO Project



Particle counter



Particle counter



SPPS Location MAP



SPPS Corp. www.sejongchem.co.kr e-mail: mail@sejongchem.co.kr

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THANK YOU



SPPS Corp the company that's first to put you first.

SPPS



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