



S-Tank Engineering
Company Profile

S-Tank Engineering Co., Ltd.
www.s-tank.com

“ S-Tank Engineering,
We will do our best to provide
innovative technical services and
cost effective solutions to our customers. ”



S-Tank Engineering Co., Ltd.



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□ Introduction

S-Tank Engineering Co., Ltd. (STE),

a spun-off company from Samsung Heavy Industries Co., Ltd., Korea (SHI), was founded in 2002, by a group of specialists in the field of Storage Tank Business who had been in charge of Tank Business division in SHI. In addition, SHI grants to S-Tank Engineering the good will, rights to use patents, records of performance and data of referenced projects and rights of possession and use of other relevant materials of Tank Business.

STE is a major player in the turnkey with design, engineering, procurement, construction and commissioning of atmospheric storage tanks, cryogenic storage tanks, high pressure spheres, refinery tank farms, tank terminals with associated piping, electrical & instrumentation for process plants for the refinery, petrochemical, fertilizer, power and steel industries as well as other infrastructure projects.

We are capable of performing all kinds of tank projects without any difficulty as we have the specialists as well as patented software and technologies, which are granted to us officially from SHI.

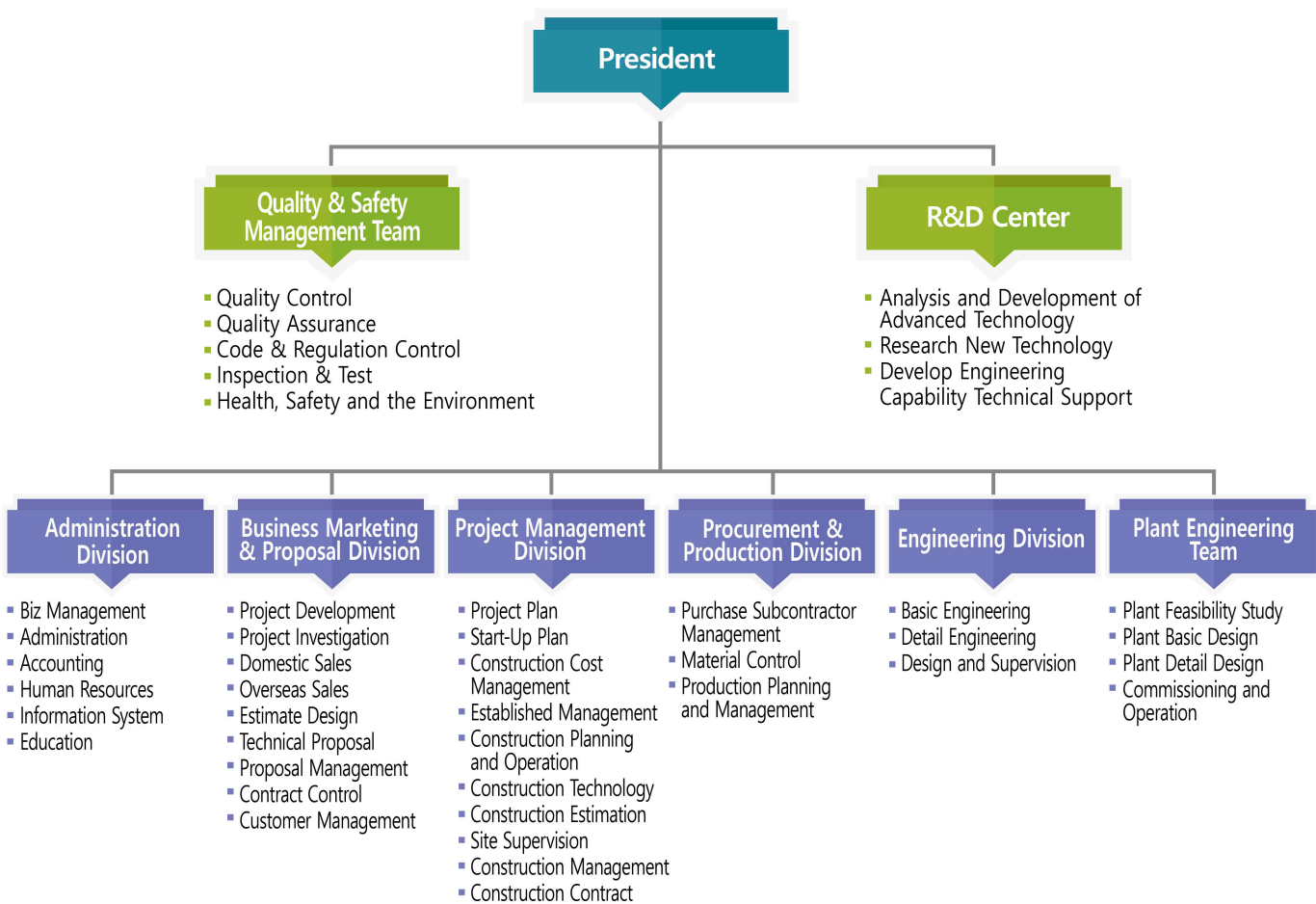
STE, an ISO 9001, ISO 14001, ISO 45001 certified company, focuses on spirit of contributing to the development of Oil and Gas plants globally and commitment to our customer's interests providing advanced technology and high quality services.



□ Company Name and Address

- Company Name : S-Tank Engineering Co., Ltd. [www.s-tank.com]
- Establishment Date : January 01, 2002
- Company Address :
 - Head Office 12th floor, Nex Zone, Changwon SK Technopark, 50, Wanam-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Korea 51573
 Tel : +82-55-239-9300 / Fax : +82-55-239-9400
 - Seoul Office 10th floor, Ilsin Bldg., 38, Mapo-daero, Mapo-gu, Seoul, Korea 04174
 Tel : +82-2-780-1249 / Fax : +82-2-780-1243
 - Haman Factory 318, Beopsu-ro, Beopsu-myeon, Haman-gun, Gyeongsangnam-do, Korea 52056
 Tel : +82-55-584-9340 / Fax : +82-55-583-2400
- CEO & President : Mr. Nak-Jong Kim

□ Organization



Business Field

We design our products in accordance with major international codes like ASME, API 620/625 & 650, 653, EN14620, EN14015, ANSI, JIS, KS, BS, ISO, AWWA, NACE, NFPA, UBC, IBC, AWS, ASCE, etc. and we cover a wide range of materials.

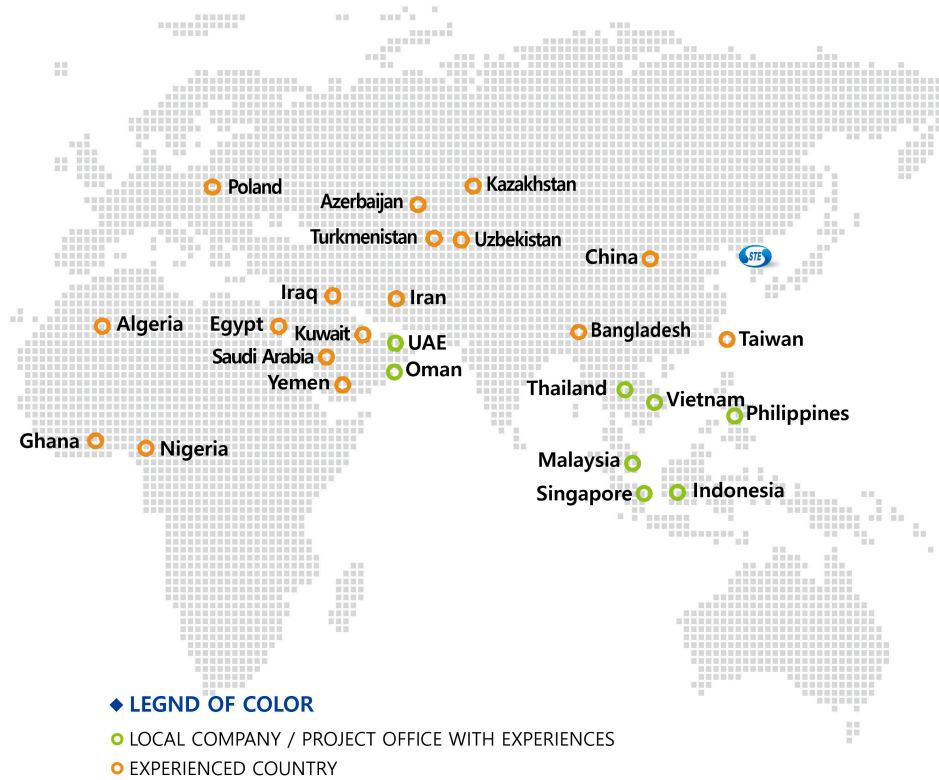
Storage Tank & System	Atmospheric Storage Tank	Pressurized Tank	Cryogenic Storage Facility
<ul style="list-style-type: none"> Refinery Tank Farm Storage Tank Terminal Cryogenic Tank Terminal Gas Plant LNG Terminal 	<ul style="list-style-type: none"> CRT/CFRT DRT/DFRT Floating Roof Tank Aluminum Dome Tank Welded Steel Tank 	<ul style="list-style-type: none"> Spherical Tank Double Spherical Tank LPG Mounded Vessel 	<ul style="list-style-type: none"> Propane & Butane NH3 & Propylene Ethylene, Methanol LO2, LN2, LAr LNG



□ Business Activity

→ Engineering	→ Project Management
<ul style="list-style-type: none">▾ Basic Engineering<ul style="list-style-type: none">- Feasibility Study- Material/Heat Balance- PFD & PID- Process Data Sheet- Equipment Data Sheet- First End Engineering Design- E & I Data Sheet- Control System- Plot Plan & Piping Arrangement▾ Detail Design<ul style="list-style-type: none">- Strength Calculation & Stress Analysis- Civil Design- MTO & BOQ- Fabrication Dwg- Construction Dwg- Purchase Specification- Procedure & Plan- Others	<ul style="list-style-type: none">▾ Project Planning<ul style="list-style-type: none">- Basic Project Plan- Master & Detail Scheduling- Cost Estimation▾ Coordination & Control<ul style="list-style-type: none">- Progress Control- Schedule Control- Cost Control▾ Procurement<ul style="list-style-type: none">- Steel plate and other shape material- Tank Facilities- Process Equipments- Control Facilities & Bulk Materials- Procurement Expediting▾ Others<ul style="list-style-type: none">- Quality Plan Support- Risk Management- Resource Management
→ Fabrication & Construction	→ Supervision & Consulting
<ul style="list-style-type: none">- Tank Proper & Accessories- Piping & Rack- Electrical & Instrumentation- Fabrication Documents- Construction Documents- QA/QC Documents- Test Procedure- Pre-commissioning & Commissioning	<ul style="list-style-type: none">- Fabrication & Construction- Inspection & Test- Quality Control- Pre-commissioning & Commissioning Assistance- Site Management

Global Experiences of S-Tank Engineering



OVERSEAS CUSTOMERS

- ▶ PT. Pertamina (Indonesia)
- ▶ PT. Perta-Samtan Gas (Indonesia)
- ▶ PT. Wilmar (Indonesia)
- ▶ HESS (Indonesia)
- ▶ Cirebon Energi Prasarana (Indonesia)
- ▶ PT. Amman Mineral Industri (Indonesia)
- ▶ PT. Wijaya Karya (Indonesia)
- ▶ PT. Rekayasa Industri (Indonesia)
- ▶ PT. Tripatra Engineering and Construction (Indonesia)
- ▶ PT. JGC Indonesia (Indonesia)
- ▶ Petro Vietnam (Vietnam)
- ▶ Longson Petrochemical (Vietnam)
- ▶ NSRP LLC (Vietnam)
- ▶ Sarawak Petchem (Malaysia)
- ▶ Petronas (Malaysia)
- ▶ PTT (Thailand)
- ▶ PTT Global Chemical (Thailand)
- ▶ Sian Cement Group (Thailand)
- ▶ DOW (Thailand)
- ▶ Jurong Aromatics Corporation (JAC) (Singapore)
- ▶ Essar (Singapore)
- ▶ PEC LTD. (Singapore)
- ▶ Bashundhara LP Gas Limited (Bangladesh)
- ▶ United Group (Bangladesh)
- ▶ Energypac Power Generation (Bangladesh)
- ▶ JGC (Japan)
- ▶ Chiyoda Corporation (Japan)
- ▶ Mitsubishi Heavy Industries (Japan)
- ▶ Toyo Engineering (Japan)
- ▶ Petron Corporation (Philippines)
- ▶ San Buenaventura Power Plant (SBPL) (Philippines)
- ▶ Taganito TPAL Nickel Corporation (Philippines)
- ▶ JGC Pilippines, Inc. (Philippines)
- ▶ Sinopec (China)
- ▶ Qatar Petroleum (QP) (Qatar)
- ▶ SMC (Oman)
- ▶ Duqm Refinery & Petrochemical Industries Company (Oman)
- ▶ Sadara Chemical Company (Saudi Arabia)
- ▶ ADNOC (UAE)
- ▶ GASCO (UAE)
- ▶ Takreer (UAE)
- ▶ SCOP (Iraq)
- ▶ Eni Iraq B.V (Iraq)
- ▶ Kuwait Oil Company (KOC) (Kuwait)
- ▶ National Iranian Oil Company (NIOC) (Iran)
- ▶ Jam Petrochemical Company (JPC) (Iran)
- ▶ Arya Sasol Polymer (Iran)
- ▶ Kermanshah Petrochemical Industries Company (KPIC) (Iran)
- ▶ Namavarani Delvar Engineering and Construction (NDEC) (Iran)
- ▶ Lukoil (Russia)
- ▶ Lukoil Uzbekistan Operating Company (Uzbekistan)
- ▶ Uz-Kor Gas Chemical LLC (Uzbekistan)



- ▶ SOCAR (Azerbaijan)
- ▶ Turkmengaz (Turkmenistan)
- ▶ TechnipFMC plc (France)
- ▶ Air Liquied (France)
- ▶ PDH Polska (Poland)
- ▶ YPFB (Bolivia)
- ▶ Chevron Nigeria Limited (CNL) (Nigeria)
- ▶ Sonatrach (Algeria)
- ▶ Sonelgaz Algerian Power Company (Algeria)
- ▶ Energia Natural Dominicana (Dominican Republic)
- ▶ VTTI (Ghana)
- ▶ Cirrus Oil (Ghana)

KOREAN CUSTOMERS

- ▶ SK Gas
- ▶ SK Ecoplant
- ▶ SK Engineering
- ▶ SK Innovation
- ▶ LG Chemical
- ▶ S-OIL
- ▶ LOTTE Chemical
- ▶ LOTTE Fine Chemical
- ▶ LOTTE E&C
- ▶ Hanhwa
- ▶ Hanhwa Total
- ▶ Hanhwa Corporation E&C Div.



- ▶ E1
- ▶ HYOSUNG
- ▶ GS Energy
- ▶ GS Caltex
- ▶ GS E&C
- ▶ HYUNDAI Oilbank
- ▶ HYUNDAI E&C
- ▶ HYUNDAI Engineering
- ▶ HYUNDAI Heavy Industry
- ▶ SAMSUNG C&T
- ▶ SAMSUNG E&A
- ▶ SAMSUNG Heavy Industry
- ▶ POSCO
- ▶ POSCO E&C
- ▶ DL E&C
- ▶ Daewoo E&C
- ▶ Byucksan Engineering
- ▶ CJ Group
- ▶ ISU E&C
- ▶ Incheon Green Energy (IGE)
- ▶ Jeongil Stolthaven Ulsan
- ▶ Kumho Petrochemical
- ▶ Korea National Oil Company (KNOC)
- ▶ Korea Petrochemical industry
- ▶ KCC
- ▶ Namhae Chemical
- ▶ Yeochun NCC (YNCC)

Factory and Facility

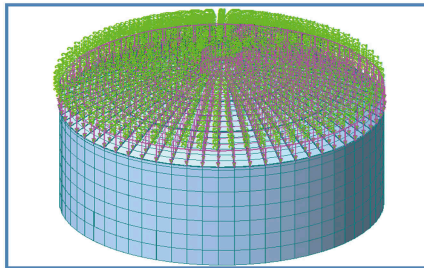
→ 1. Haman Factory



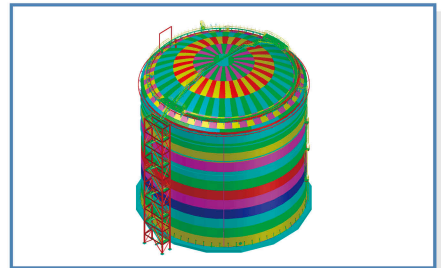
→ 2. Engineering Infrastructure



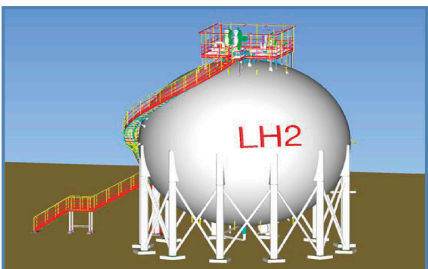
Engineering Software & Tools



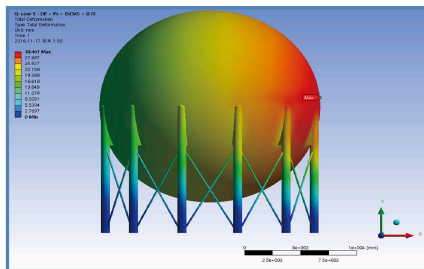
Roof Structure Analysis



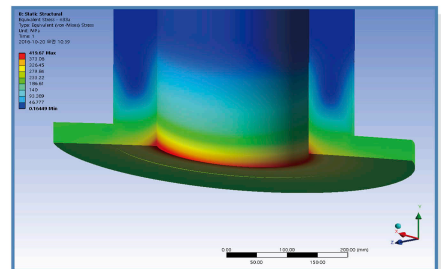
Double Wall Tank 3D Modeling



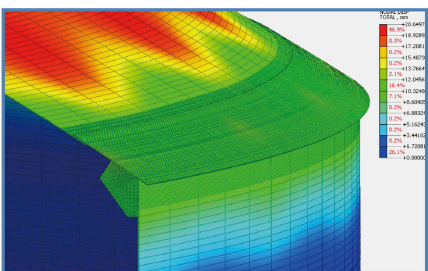
Spherical Tank 3D Modeling



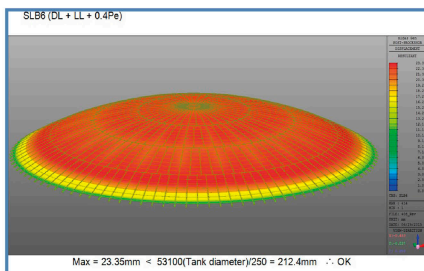
Spherical Tank Seismic Analysis



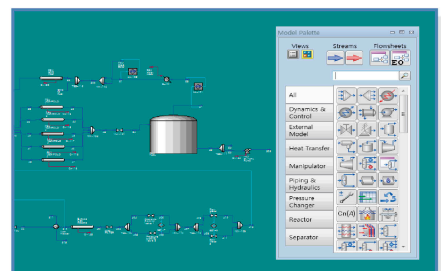
Nozzle Strength Analysis



DRT Compression Ring Analysis



Roof Structure Analysis



Aspen Hysys Modeling

→ 3. Automatic Welding



Horizontal Automatic Welding



Bottom Automatic Welding



Vertical Automatic Welding



Corner Automatic Welding

▣ Developed Technology

→ 1. Patented Technology

N0	Description	Application	Year of Registration	Remarks
1	Liquefied hydrogen storage tanks (vessel saddle)	Tank Design	2023	Patent No. 10-2513985
2	Liquefied hydrogen storage tanks (spherical tank & vessel support)	Tank Design	2021	Patent No. 10-2315489
3	API 650 seismic/external design program of storage tanks	Tank Design	2015	C-2015-013493 C-2015-027530
4	Stacking apparatus for transporting piece of spherical tank	Tank Module Transportation	2015	10-1563571
5	Calculation program for venting atmospheric tanks	Tank Design	2010	Patent No. 2010-01-123-008775
6	Anchor strap calculation program for cryogenic tanks	Cryogenic Tank Design	2010	Patent No. 2010-01-123-008774
7	Optimal design program for cryogenic double wall tanks	Cryogenic Tank Design	2008	Patent No. 2008-01-123-002300
8	Calculation program for allowable external loads on tank shell openings	Tank Design	2007	Patent No. 2007-01-123-001369
9	Strength calculation program for spherical tanks	Spherical Tank Design	2004	Patent No. 2004-01-199-005151
10	Strength calculation program for large diameter floating roof tanks	Floating Roof Tank Design	2004	Patent No. 2004-01-199-005150
11	Boil-off gas calculation program for cryogenic tanks	Cryogenic Tank Design	2003	Patent No. 2003-01-12-3230
12	Program for shell plate development/cutting of spherical tanks	Spherical Tank Design	2003 2015	R2003-01-12-73 C-2015-003540
13	Support device for Ball tank transportation	Tank Module Transportation	2009	Patent Application No. 10-2009-0100129
14	Roof structure erection technologies & devices for floating roof tanks	Tank Erection	1996	Patent No. 0182843
15	Automatic welding technologies & devices for the erection of large diameter tanks	Tank Erection	1996	Patent No. 0293914

→ 2. Other Technology

N0	Description	Application	Remarks
1	Automatic Drawing Program for Cylindrical Tank Proper & Nozzles	CRT/DRT/FRT	
2	Automatic Drawing Program for Spherical Tank Proper & Nozzles	Spherical Tank	
3	Strength Calculation Program for Storage Tanks	All Tanks Type	
4	Cutting Plan Program	Tank Design & Fabrication	for Material Purchasing & Fabrication
5	Tank Roof Air Raising with Sealing Device	Tank Construction	
6	Tank Stability Analysis	Tank Design	
7	Automatic Welding Machine for Tank	Tank Construction	

□ Tank View

Fluid	Content	Tank Type				
Gas	Cokes Oven Gas Blast Furnace Gas LPG LNG Nitrogen Oxygen					
Liquefied Gas	Ammonia Propylene Propane Butadiene Butane Ethylene					
	LNG Oxygen Nitrogen					
	Hydrogen Argon					
Liquid	Gasoline Diesel					
	Crude Oil Heavy Oil					
	Water					
Legend						

□ Attachment

- 1 Company registration certificate issued by the Korean Government
- 2 Factory registration certificate issued by the Korean Government
- 3 Certificate for the construction of industrial equipment issued by the Korean Government
- 4 Construction certificate for gas facilities
- 5 Construction certificate for machinery facilities
- 6 Construction certificate for steel structure
- 7 Construction certificate for industrial & environmental facilities
- 8 Certificate of Korea Engineering & Consulting Association
- 9 Certification of International Contractor
- 10 Certificate of research and development center issued by the Korean Government
- 11 Certificate of ISO 9001
- 12 Certificate of ISO 14001
- 13 Certificate of ISO 45001
- 14 Certificate of ASME (U & U2) issued by American Society of Mechanical Engineering.
- 15 Certificate of Authorization by National Board
- 16 Membership of the American Petroleum Institute

Attachment #5 ~ #8

[별지 제3호 서식] (앞 쪽)

건설업등록증

- 업종 및 주력분야 : 기계설비·가스공사업 (주력분야:기계설비공사,가스시설공사(제2종))
- 등록번호 : 창원2010-10-09
- 상 호 : 에스텍크엔지니어링(주)
- 대 표 자 : 김낙중
- 주된 영업소 소재지 : 창원시 성산구 원암로 50 벵스존 12층(성산동, 에스케이테크노파크)
- 법인등록번호(생년월일) : 194211-0052382
- 국적(소속 국가명) : 대한민국
- 등록일자 : 2010.05.31

위 자는 건설산업기본법 제9조의 규정에 의한 건설업자임을 증명합니다.

2023년 9월 5일

경상남도 창원시장 (인)



[별지 제3호 서식] (앞 쪽)

건설업등록증

- 업종 및 주력분야 : 금속·창호·지붕·건축물조립공사업 (주력분야:금속구조물·창호·온실공사)
- 등록번호 : 창원2003-11-04
- 상 호 : 에스텍크엔지니어링(주)
- 대 표 자 : 김낙중
- 주된 영업소 소재지 : 창원시 성산구 원암로 50 벵스존 12층(성산동, 에스케이테크노파크)
- 법인등록번호(생년월일) : 194211-0052382
- 국적(소속 국가명) : 대한민국
- 등록일자 : 2003.06.11

위 자는 건설산업기본법 제9조의 규정에 의한 건설업자임을 증명합니다.

2023년 9월 5일

경상남도 창원시장 (인)



건설업등록증

- 업 종 : 산업·환경설비공사업 등록번호 : 17-00047
 상 호 : 에스텍크엔지니어링(주) 대 표 자 : 김진태
 법인등록번호 : 194211-0052382 국 적 : 대한민국
 영업소 소재지 : 경남 창원시 성산구 원암로 50, 벵스존 12층(성산동, 에스케이테크노파크)
 등록일자 : 2013. 11. 21.

건설산업기본법 제9조의 규정에 의한 건설업자임을 증명합니다.

2023년 11월 21일

경 상 남 도 지 사



변 경 사 항				
변경년월일	변경구분	변 경 내 용	신고년월일	기록자(인)
2020. 2. 11	대표자	허 능 도	2020. 2. 27	경남도회 이경환
2023. 3. 30	대표자	김 낙 중	2023. 4. 19	경남도회 이경환

발급번호 : 20230418-SG-00000068645

엔지니어링사업자 신고증

명 칭	에스텍크엔지니어링(주)		
대표자성명	김낙중	생년월일	1959.05.13
소 재 지	경상남도 창원시 성산구 원암로 50 테크노파크 벵스존동 12층	전화번호 (FAX, E-Mail)	055-239-9300 055-239-9400
엔지니어링업	신고번호	계 E - 10 - 003407	호
	기술부문	설비 등	1 개 부문
	전문분야	설비 등	1 개 분야
엔지니어링 건설업	신고번호		
	기술부문	등	개 부문
	전문분야	등	개 분야
신고연월일	2012-09-24		

「엔지니어링산업 진흥법」 제21조제1항 및 같은 법 시행규칙 제7조에 따라 위와 같이 신고하였음을 증명합니다.

2023년 04월 18일

한국엔지니어링협회장

본 확인서는 한국엔지니어링협회(http://www.ettis.or.kr)에서 발급된 증명서로 유추상단의 발급번호를 이용하여 문서의 발급여부를 확인 할 수 있으며 진위여부는 엠스마트 MaSmartDetector(MarAny, 마크레니) 검증 어플리케이션으로 확인할 수 있습니다.

Attachment #9 ~ #11

제 81 호
No.81

해외건설업신고확인증 (Certification of International Contractor)

상 호 : 에스탱크엔지니어링(주)
(Name of Company) (S-Tank Engineering Co., Ltd.)

대 표 자 : 김낙중
(Name of Company) (Kim Nak Jong)
Representative)

법 인 등 록 번 호 (생 년 월 일) : [194211-0052382]
[Corporation registration number(Date of Birth)]

업 종 및 주 력 분 야 : 금속구조물·지붕건축물조립공사업(주력분야) 금속구조물·창호·온실공사업
(Metallic Doors & Windows/assembly: Metallic Structures/Doors & Windows/Greenhouse)

영 업 소 소재 지 : 경상남도 창원시 성산구 완암로 50, 테크노파크 넥
(Address of Company) 스텍존 12층 (성산동)
(12F, 50 Wanam-ro, Seongsan-gu,
Changwon-si, Gyeongsangnam-do, Korea)

「해외건설 촉진법」 제6조제1항에 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.
2008년 06월 11일

해외건설협회장
(Chairman of International Contractors Association of Korea)

30306-00211 일
99.1.18개정 승인

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

210mm x 297mm
(보존용지(1종) 20g/㎡)

[공서번호: CiwK-bxlg-bCa0-uVmp] [발급일자: 2018년 05월 15일]

제 20022409 호

기업부설연구소 인정서

1. 연 구 소 명 : 에스탱크엔지니어링(주)기술연구소
[소속기업명: 에스탱크엔지니어링(주)]

2. 소 재 지 : 경상남도 창원시 성산구 완암로 50
넥스존 12층 (성산동, SK테크노파크)

3. 신고 연월일: 2018년 05월 14일
(최초인정일: 2002년 11월 26일)

과학기술정보통신부

「기초연구진흥 및 기술개발지원에 관한 법률」 제14조의 2제1항 및 같은 법 시행령 제27조제1항에 따라 위와 같이 기업부설연구소로 인정합니다.

2018년 5월 15일

한국산업기술진흥협회장

* 한국산업기술진흥협회에서 발급되었으며 "http://www.kind.or.kr"에서 "문서발문"을 입력하면 문본대조 및 유효성을 검증할 수 있습니다.

KOREA GAS SAFETY CORPORATION

IAF

품질경영시스템 인증서

에스탱크엔지니어링(주)

인증번호 : QC-0810-F(0)

KGS는 위 회사의 품질경영시스템이 아래의 규격과 범위에 적합함을 인증합니다.

인 증 규 격 : KS Q ISO 9001:2015 / ISO 9001:2015

인 증 범 위 : 산업용 저장탱크, 화학장치 설비, 가스시설, 기계설비, 압력용기의 설계·개발, 생산 및 설치

최 초 인 증 일 : 2010. 7. 29.

유효 기 간 : 2024. 3. 28. ~ 2027. 3. 27.

발 행 일 자 : 2024. 1. 17.

인 증 사 업 장 : 본사 : 경상남도 창원시 성산구 완암로 50, SK테크노파크 넥스존 12층
공장 : 경상남도 함안군 범수면 범수로 318

심사팀장 : 고 한 영

한국가스안전공사
충청북도 음성군 맹동면 원종로 1390 (우 27738)

한국가스안전공사는 한국인정시험센터(KAB)로부터 품질경영체제 인증기관으로 인정(인정번호:KAB-QC-22) 받았습니니다.

Certificate of Regulation

KOREA GAS SAFETY CORPORATION

IAF

Certificate of Quality Management System

S-Tank Engineering Co., Ltd

Issue No : QC-0810-F(0)

KGS certifies that The Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard and scope of certification detailed below

Standard : KS Q ISO 9001:2015 / ISO 9001:2015

Scope : Design,Development, Manufacture, Installation of Industrial Storage Tanks, Chemical/Gas/Mechanical Equipments and Pressure Vessels

Initial certification date : 2010. 7. 29.

Valid period : 2024. 3. 28. ~ 2027. 3. 27.

Issue date : 2024. 1. 17.

Site of certificate

Head office : 12th Floor, SK Techno Park Next Zone, Wanam-ro 50, Seongan-gu, Changwon-si, Gyeongsangnam-do, Korea
Haman Factory : 318, Beopsu-ro, Beopsu-myeon, Haman-gun, Gyeongsangnam-do, Korea

Lead Assessor : Ko Hanyoung

한국가스안전공사
KGS
KOREA GAS SAFETY CORPORATION
1390 Wanjung-ro, Maengdong-myeon, Eumseong-gun, Chungcheongbuk-do, Korea

한국가스안전공사는 한국인정시험센터(KAB)로부터 품질경영체제 인증기관으로 인정(인정번호:KAB-QC-22) 받았습니니다.

Certificate of Regulation

Introduction
Global Experiences of S-Tank Engineering
Factory & Facility
Developed Technology & Tank View
Attachment

Attachment #12 ~ #13



Introduction

Global Experiences
of S-Tank Engineering

Factory & Facility

Developed Technology
& Tank View

Attachment

환경경영시스템 인증서


에스탱크엔지니어링(주)


인증번호 : EC-0141-E(0)

KGS는 위 회사의 환경경영시스템이 아래의 규격과 범위에 적합함을 인증합니다.

인증 규격 : KS I ISO 14001:2015 / ISO 14001:2015
 인증 범위 : 산업용 저장탱크, 화학장치 설비, 가스시설, 기계설비, 압력용기의 설계 · 개발, 생산 및 설치
 최초 인증일 : 2012. 3. 28.
 유효기간 : 2024. 3. 28. ~ 2027. 3. 27.
 발행일자 : 2024. 1. 17.
 인증사업장 : 본사 : 경상남도 창원시 상산구 완암로 50, SK테크노파크 빅스존 12층
 공장 : 경상남도 함안군 범수면 범수로 318


심사팀장 : 고 한 영





한국가스안전공사
충청북도 음성군 행동면 원종로 1390 (우 27738)

한국가스안전공사는 한국인증지원센터(KAB)로부터 환경경영체계 인증기관으로 인정(인정번호:KAB-EC-15) 받았습니니다.



Certificate of Regulation




Certificate of Environmental Management System

S-Tank Engineering Co., Ltd

Issue No : EC-0141-E(0)

KGS certifies that The Environmental Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard and scope of certification detailed below

Standard : KS I ISO 14001:2015 / ISO 14001:2015
 Scope : Design,Development, Manufacture, Installation of Industrial Storage Tanks, Chemical/Gas/Mechanical Equipments and Pressure Vessels
 Initial certification date : 2012. 3. 28.
 Valid period : 2024. 3. 28. ~ 2027. 3. 27.
 Issue date : 2024. 1. 17.
 Site of certificate
 Head office : 12th Floor, SK Techno Park Next Zone, Wanam-ro 50, Seongan-gu, Changwon-si, Gyeongsangnam-do, Korea
 Haman Factory : 318, Beopsu-ro, Beopsu-myeon, Haman-gun, Gyeongsangnam-do, Korea

Lead Assessor : Ko Hanyoung







KGS
KOREA GAS SAFETY CORPORATION
1390 Wonjung-ro, Maengdong-myeon, Eumseong-gun, Chungcheongbuk-do, Korea

Korea Gas Safety Corporation has been designated by Korea Accreditation Board as a EMS(Environmental Management System) certification body.(License No.:KAB-EC-15)



Certificate of Regulation

안전보건경영시스템 인증서


에스탱크엔지니어링(주)


인증번호 : SC-0087-B(0)

KGS는 위 회사의 안전보건경영시스템이 아래의 규격과 범위에 적합함을 인증합니다.

인증 규격 : KS Q ISO 45001:2018 / ISO 45001:2018
 인증 범위 : 산업용 저장탱크, 화학장치 설비, 가스시설, 기계설비, 압력용기의 설계 · 개발, 생산 및 설치
 최초 인증일 : 2021. 1. 20.
 유효기간 : 2024. 1. 20. ~ 2027. 1. 19.
 발행일자 : 2024. 1. 17.
 인증사업장 : 본사 : 경상남도 창원시 상산구 완암로 50, SK테크노파크 빅스존 12층
 공장 : 경상남도 함안군 범수면 범수로 318


심사팀장 : 고 한 영





한국가스안전공사
충청북도 음성군 행동면 원종로 1390 (우 27738)

한국가스안전공사는 한국인증지원센터(KAB)로부터 안전보건경영체계 인증기관으로 인정(인정번호:KAB-OC-30) 받았습니니다.



Certificate of Regulation




Certificate of Health & Safety Management System

S-Tank Engineering Co., Ltd

Issue No : SC-0087-B(0)

KGS certifies that The Health & Safety Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard and scope of certification detailed below

Standard : KS Q ISO 45001:2018 / ISO 45001:2018
 Scope : Design,Development, Manufacture, Installation of Industrial Storage Tanks, Chemical/Gas/Mechanical Equipments and Pressure Vessels
 Initial certification date : 2021. 1. 20.
 Valid period : 2024. 1. 20. ~ 2027. 1. 19.
 Issue date : 2024. 1. 17.
 Site of certificate
 Head office : 12th Floor, SK Techno Park Next Zone, Wanam-ro 50, Seongan-gu, Changwon-si, Gyeongsangnam-do, Korea
 Haman Factory : 318, Beopsu-ro, Beopsu-myeon, Haman-gun, Gyeongsangnam-do, Korea

Lead Assessor : Ko Hanyoung





KGS
KOREA GAS SAFETY CORPORATION
1390 Wonjung-ro, Maengdong-myeon, Eumseong-gun, Chungcheongbuk-do, Korea

Korea Gas Safety Corporation has been designated by Korea Accreditation Board as a HSM(Health & Safety Management System) certification body.(License No.:KAB-OC-30)



Certificate of Regulation

Attachment #14 ~ #16



The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

U

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

S-Tank Engineering Co., Ltd.
 318, Beopsu-ro, Beopsu-myeon
 Haman-Gun,
 Gyeongsangnam-Do, 52056
 Republic of Korea

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: **May 31, 2024**
 EXPIRES: **May 31, 2027**
 CERTIFICATE NUMBER: **35829**

Rachel B. Caplan
 Board Chair,
 Conformity Assessment

Matthew Vanquay
 Senior Director,
 Engineering Operations



The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

U2

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

S-Tank Engineering Co., Ltd.
 318, Beopsu-ro, Beopsu-myeon
 Haman-Gun,
 Gyeongsangnam-Do, 52056
 Republic of Korea

SCOPE:

Manufacture of Class 1 and Class 2 pressure vessels at the above location and field sites controlled by the above location

AUTHORIZED: **May 31, 2024**
 EXPIRES: **May 31, 2027**
 CERTIFICATE NUMBER: **35830**

Rachel B. Caplan
 Board Chair,
 Conformity Assessment

Matthew Vanquay
 Senior Director,
 Engineering Operations

**THE NATIONAL BOARD
 OF
 BOILER & PRESSURE VESSEL INSPECTORS**

**Certificate of Authorization
 to Register**



This is to certify that

S-Tank Engineering Co., Ltd.
 318, Beopsu-ro, Beopsu-myeon
 Haman-Gun,
 Gyeongsangnam-Do, 52056
 Republic of Korea


is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s): **U, U2**
 Issue Date: **May 21, 2015**
 Revision Date: **March 14, 2018**

This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.

Executive Director *[Signature]*

S-Tank Engineering Co., Ltd.

is a 2008 Member of the American Petroleum Institute

Red Cavaney
 Red Cavaney
 President and Chief Executive Officer

We keep America **going strong**[®]
 America's Oil and Natural Gas Industry

Introduction
 Global Experiences of S-Tank Engineering
 Factory & Facility
 Developed Technology & Tank View
 Attachment

www.s-tank.com

• **본 사 [Head Office]**

경상남도 창원시 성산구 완암로 50, 12층 (성산동 테크노파크넥스존)
12th floor, Nex Zone, Changwon SK Technopark, 50, Wanam-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Korea 51573
Tel. +82-55-239-9300 Fax. +82-55-239-9400

• **서울사무소 [Seoul Office]**

서울특별시 마포구 마포대로 38, 10층 (도화동 일신빌딩)
10th floor, Ilsin Bldg., 38, Mapo-daero, Mapo-gu, Seoul, Korea 04174
Tel. +82-2-780-1249 Fax. +82-2-780-1243

• **함안공장 [Haman Factory]**

경상남도 함안군 범수면 범수로 318
318, Beopsu-ro, Beopsu-myeon, Haman-gun, Gyeongsangnam-do, Korea 52056
Tel. +82-55-584-9340 Fax. +82-55-583-2400