



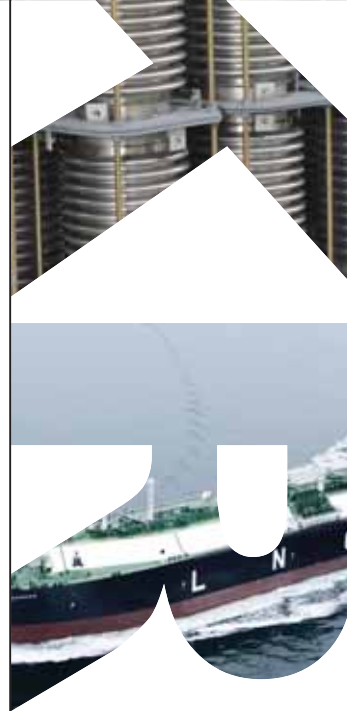
www.hkr.co.kr

#20, Sandan-ro, 16beon-gil, Pyeongtaek-si, Gyeonggi-do, 459-040 Rep. of KOREA

HKR Co., Ltd.



Total Piping Solution Provider





HKR strives to be the Total Solution Provider in the Thermal Expansion space

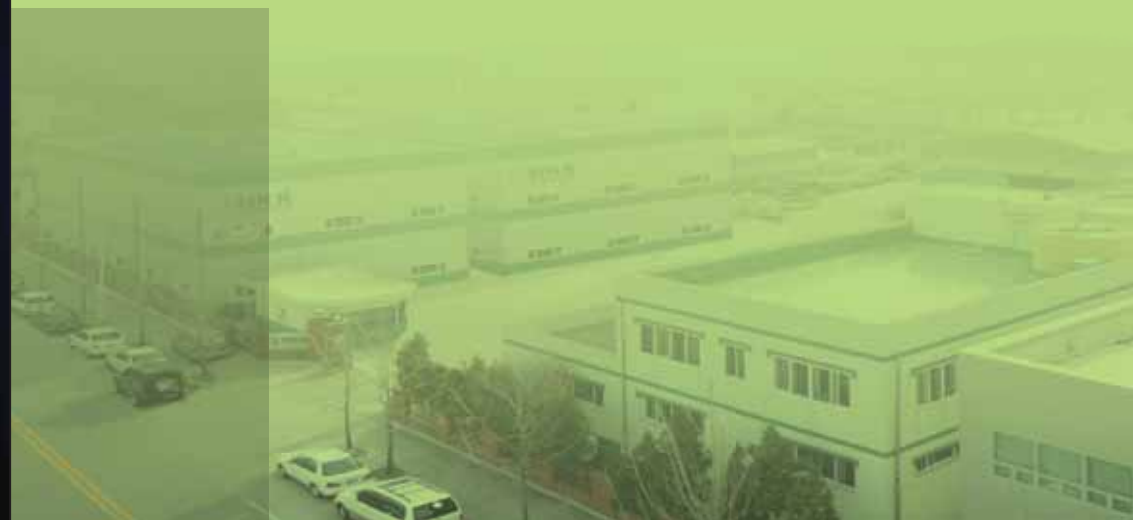


HKR has made its way in the domestic market since 1972. For the past 40 years, we've been a growth partner to the Korean economy as the firmly grounded leader of the Korean Expansion Joint manufacturing industry.

The modifier "Korea's first ever" has always followed our name all along our path: we were the first to manufacture Expansion Joint in Korea (1974), first to be qualified to supply nuclear power plant in Korea, and the first to acquire ASME Stamp in Korea (2002). In May 2013, we reaffirmed our status as the pioneer as well as our top class technology by joining EJMA membership, an exclusive league of Expansion Joint manufacturers where only the world best can be admitted. Meanwhile, we have expanded our facility to meet the growing customer demand. In 2013, we've successfully completed plant expansion in Cheon-an in addition to our Pyeongtaek plant. Likewise, we are successfully ramping up our Vietnam plant to better meet our clients demand in South Asia. At the same time, we endeavor to excel in quality control, cost reduction, and Just-In-Time delivery to fully satisfy various customers, based on our accumulated know-how and technological expertise from the vast track record.

Despite all the growth and achievement of the last 40 years, we aspire to be greater with the great new vision. That is to become a "Global Top-Tier Expansion Joint Maker". We will not become complacent at the current position-Korea's best Expansion Joint manufacturer-but will keep challenging ourselves even further to become a globally leading Expansion Joint manufacturer through continuous innovation and transformation which is embedded in our DNA.

Thank you.



HKR HISTORY

2013

- .05 Joined the MEMBERSHIP of EJMA (Expansion Joint Manufacturers Association)
- .02 Acquired "U2" Stamp from ASME

2011.12 "2011 Excellence Award from GE AERO ENERGY

.07 Superior Supplier Award from HITACHI CORP. Japan

2010.07 Acquired certificate of ISO18001

.06 Acquired "NPT" Stamp for Nuclear Work from ASME (2nd in the world)

"2009yr" Best Supplier award from TOSHIBA CORP. Japan

2009.08 Started "Operation" of Vietnam Factory

2008.01 Changed Company Name from Hankook Raseonkwan to HKR

2007.11 Opened Business Relation Ship with GE AERO Energy directly

.06 Acquired a certificate of ISO14001

2006.05 "2005 yr" - Best Supplier award from TOSHIBA CORP. Japan

.04 Acquired DNV Certificate of Manufacturing

Assessment for Cryogenic Expansion Bellows (Type Approval)

2005.10 Acquired ABS Certificate of Manufacturing & Design

Assessment For Cryogenic Expansion Bellows (Type Approval)

2005.08 Acquired Type Approval Certificate of Lloyd's Register for Cryogenic Expansion Bellows (Type Approval)

.07 Acquired "S" Stamp from ASME

2002.07 Acquired "U" & "PP" Stamps from ASME Acquired CE-PED Certificate

.02 Superior Supplier Award from KHNP (Evaluated 1997yrs ~ 2001yrs)

2000.08 Acquired a certificate of ISO9001 from CCAS

1994.07 Designated as "Competent Manufacturer of Development Facility" by Korea Electric power Corp (Q-class Quality)

1978.05 Chosen by Gori Nuclear power plant as Expansion Joint Supplier

1974.07 Started to produce Expansion Joint for the first time in Korea

1972.10 Established Hankook Raseonkwan Company

HKR's Branch & Plant

Our facilities, as well, have expanded alongside HKR's evolution. With HQ in Pyeongtaek, HKR now has 3 factories, 1st and 2nd plants in Pyeongtaek & Cheonan S. Korea, respectively and the 3rd plant in Vinh Dong Vietnams. Our total production area amounts to 20,884.1 sqm.



Cheonan, S. Korea



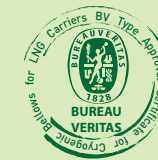
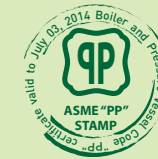
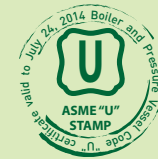
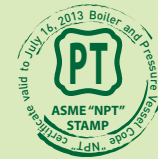
VIETNAM



Quality Control & Assurance

HKR has an excellent quality control system to produce and keep the high quality products based on the quality control system of ASME "U2,U,PP & "S", ISO 9001.

Furthermore, special test requirement from customers such as Destructive Testing, special NDE and etc. are also performed sufficiently to satisfy and increase the reliability of our products.



A.A .TURKI CORP. (ATCO), SAUDI ARABIA

GLOBAL SOURCING SOLUTIONS PTE, INDIA

K-TEK INTERNATIONAL, USA

OKANO TRADING CORP. JAPAN

SHINSHO CORP. JAPAN

AL ZAHEM INTERNATIONAL GROUP, KUWAIT

CLEVER LOGISTICS CO., LTD. TAIWAN

AL OTAIBA GROUP, UAE

FORMOSA M&S CO., LTD. TAIWAN

SILOH INT'L, PHILIPPINES

EVOLUTION ENGINEERING CO., THAILAND

TURCOMP BMB SDN BHD, MALAYSIA

ISS CO., LTD., THAILAND

GPT Corporation, Indonesia

Not just in terms of the # of clients, but also in terms of the volume we are pretty well-diversified across the regions. Our experienced overseas sales team and the 14 agents help us serve our geographically diversified clients base well.

HKR OVERSEAS AGENTS

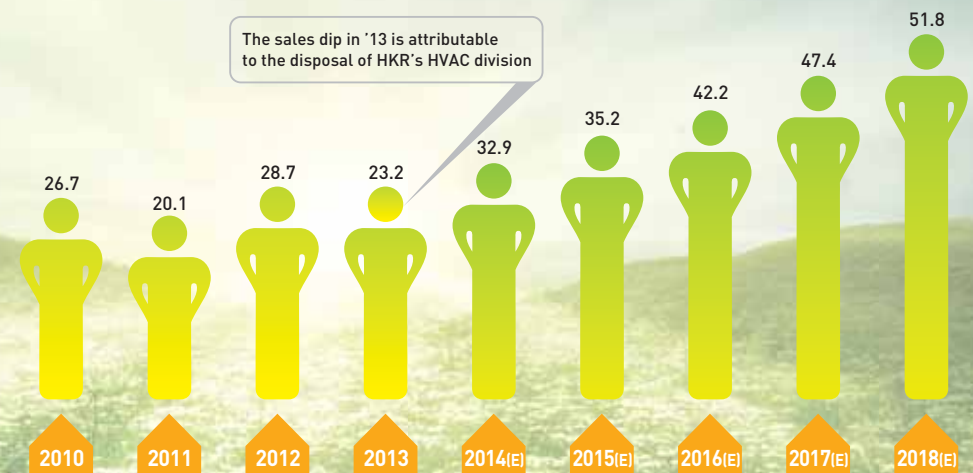
Annual Sales

Our annual sales has usually been around 24-29 mn USD for the past 4 years with 27~29% M/S in Korea.

Going forward, however, HKR is projected to achieve sales of over 50 mn USD.



Annual Sales Projection (Unit: USD mn.)



Firm Market Leader in Korea

HKR has maintained the leading position among the Korean expansion joint manufacturer (M/S: 27~29%)

Active Investment in Human Resource, Facilities, and Machineries Planned in 2014 1H to expand:

1. Product Application
2. Customer Base
3. Production Capacity / Productivity

Execution of Global Growth Strategy

HKR's Products Range

HKR has several types of Expansion Joints. For each and every subtype and for each and every model, our size, temperature, and pressure coverage is very wide. In other word, we can make EJs of pretty much any kind.

Metallic Expansion Joints

Non-Metallic Expansion Joint

Flexible Joints

Rubber Expansion Joint

Piping Spool & Duct

Bellows for Heat Exchanger

Cryogenic Bellows for LNG Carriers

Steam Vent Silencer

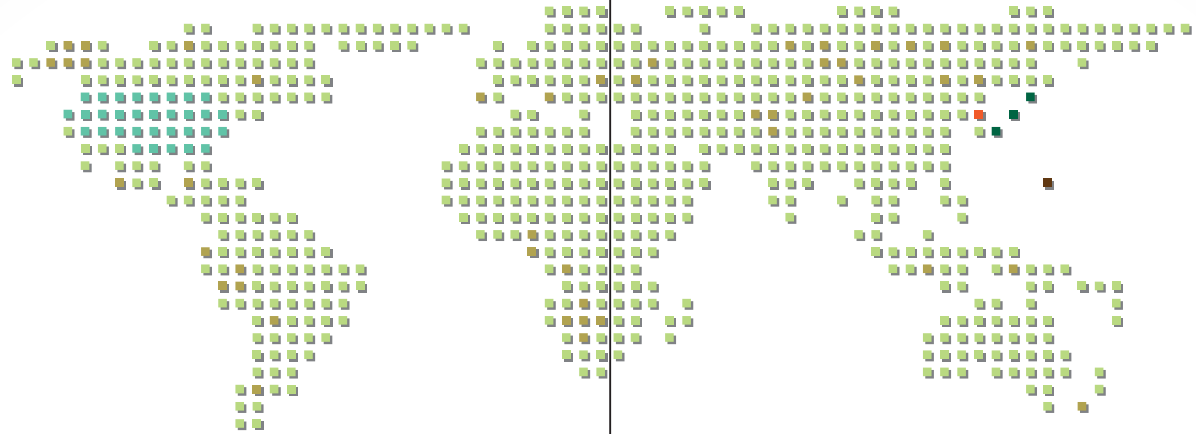
Pressure Range

Temperature Range



TRACK RECORD POWER PLANT

Gas Turbine



S.KOREA PROJECT NAYONUGWOL CCPP
 POCHON LNG CCPP
 SEJONG COGENERATION
 YANGJU COGENERATION
 HANAM COGENERATIONME
 INCHEON THERMAL POWER PLANT
 SHIN-INCHEON THERMAL POWER PLANT

JAPAN TEPCO-FUTTU UNIT 4-1,4-2 & 4-3
 SENPOKU GAS STATION #3 & 4
 JOETSU CCPP UNIT NO.1-1,1-2,2-1,2-2

GUAM DADEDO COMBUSTION T/B NO.2

USA VARIOUS G/T FOR GE 7F/9F/7E/9E MODEL

ALL COUNTRIES OF THE WORLD

Flexible Hose



Metal Expansion Joint

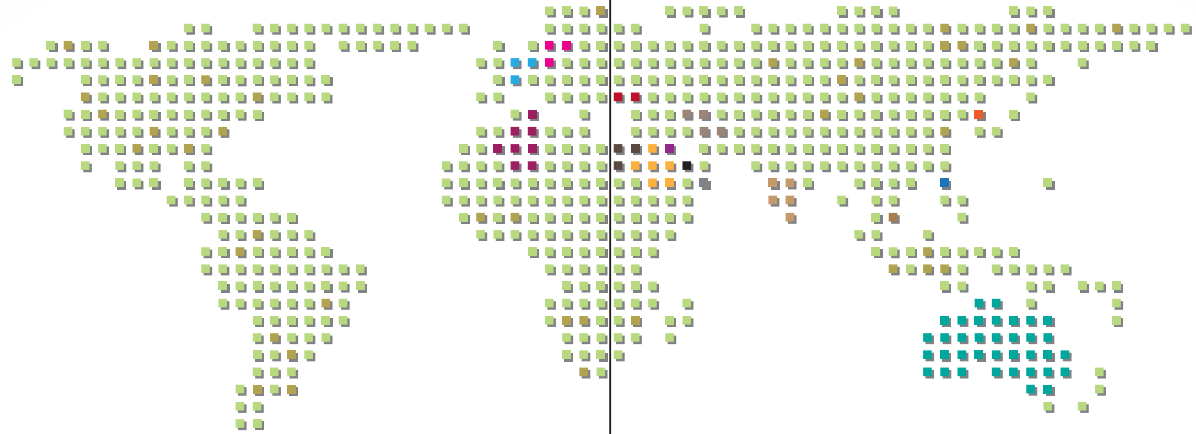


Non-Metal Expansion Joint for Inlet & Outlet Duct



TRACK RECORD POWER PLANT

HRSG



IRAN	MAPNA HRSG
ALGERIA	HADJRET HRSG
TAIWAN	HSINTA #1,2
VIETNAM	NHON TRACH 2 CAMAU HRSG
UAE	TAWEELAH A HRSG
INDIA	UNOSUGEN
SAUDI ARABIA	MARAFIQ #5, 6 RAS AZ ZAWR HRSG
FRANCE	TOUL PJT
S.KOREA	OSEONG CCPP HANAM HRSG
OMAN	BARKA III & SOHAR II HRSG
QATAR	RAS RAFFAN HRSG
EGYPT	AIN-SOKHNA HRSG
TURKEY	ERZIN HRSG
AUSTALIA	GE INPEX HRSG
POLAND	GE WROCLAWEK HRSG
	ALL COUNTRIES OF THE WORLD

METAL EXPANSION BELLOWS FOR CASING



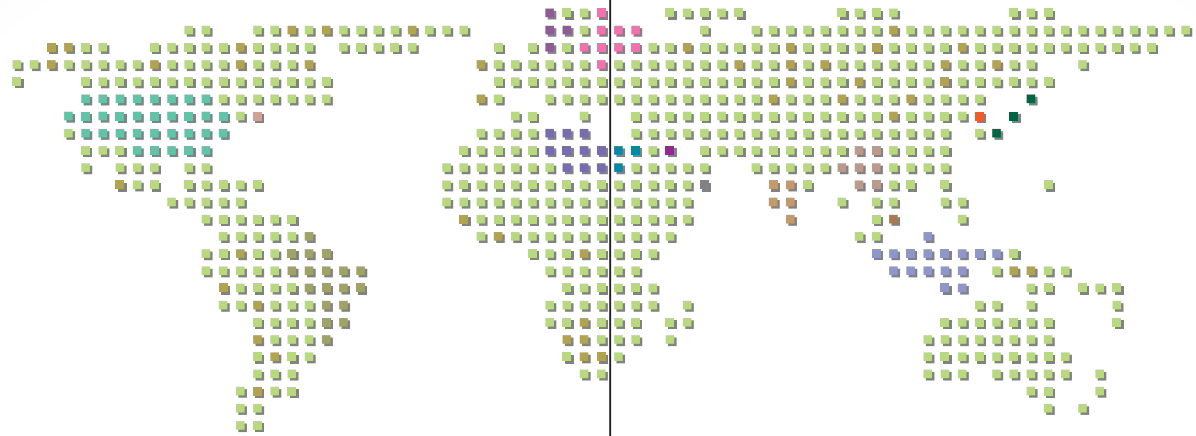
NON-METAL EXPANSION BELLOWS FOR CASING



POWER PLANT

Steam Turbine

Crossover Piping is used for transfer the steam from IP (or HP) Casing to LP Hood where steam turbine system.
 And it shall have suitable flexibility due to the different thermal movement between Turbine and casing,
 Also it shall have stability for the steam pressure when operating.



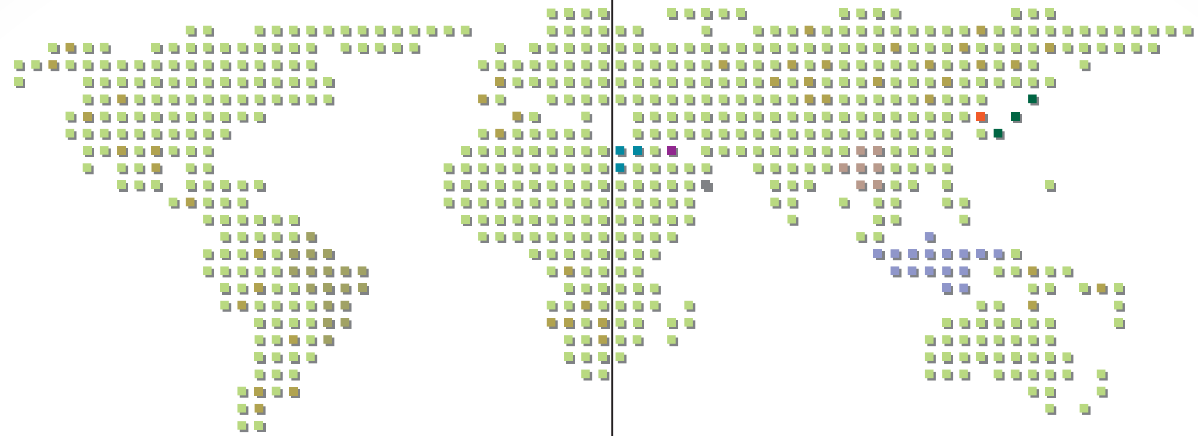
- S.KOREA** YONGHUNGH #3~6
- JAPAN** JOETSU CCGP Unit No.1-1,1-2,2-1,2-2
CHUBU ELECTRIC POWER / HEKINAN#4,5
- MALAYSIA** TANJUNG BIN#1~4
- INDIA** MUNDRA#1~5
RAIPUR POWER PLANT#1,2
- NETHERLAND** NUON MAGNUM #3,4
- SAUDI ARABIA** YANBU2 STG #1~3
RABIGH POWER PLANT #1~4
QURAYYAH#1~5
- UAE** EMAL#1,2
- VIETNAM** MONG DUONG 1,2
- USA** CLECO-RODEMACHER UNIT 3
- LIBYA** AL KHALIJ POWER PLANT PJT CONTRACTOR
- GERMANY** CCEC 750 MW HARD COAL POWER
EBLD-CFPP DEVELOPMENT POWER PLANT WILHELMSHAVEN
- EGYPT** EL AIN EL SOKHNA SUPERCRITICAL TPP#1,2
- UK** WEST BURTON#1~3
- ALL COUNTRIES OF THE WORLD**



Seal Bellows

TRACK RECORD POWER PLANT

BOP PART



UAE Fujairah Desalination Plant

S.KOREA Hadong #3~8TPP
Dangjin #4~8 TPP
Shinboryong TPP
Taeon #7 ~10 TPP
Boryong #7,8 TPP
YongHung #3~6
Bukpyung #1,2 TPP
Seo Incheon TPP

THAILAND Gheco TPP

INDONESIA Cirebon TPP

JAPAN Hitachinaka TPP
Maizuru Unit 2 TPP

OMAN Barka Power & Desalination Plant

BRAZIL Termonorte Energia

EGYPT EL-Kureimat TPP

ALL COUNTRIES OF THE WORLD

BFP-T EXHAUST DUCT & EXPANSION JOINT ASSEMBLY



DOG-BONE TYPE EXPANSION JOINT FOR CONDENSER NECK



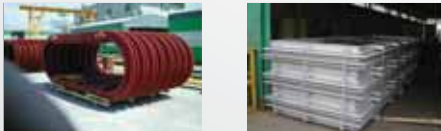
S-BALANCED TYPE EXPANSION JOINT FOR FLASH TANK



RUBBER EXPANSION JOINT FOR CONDENSER



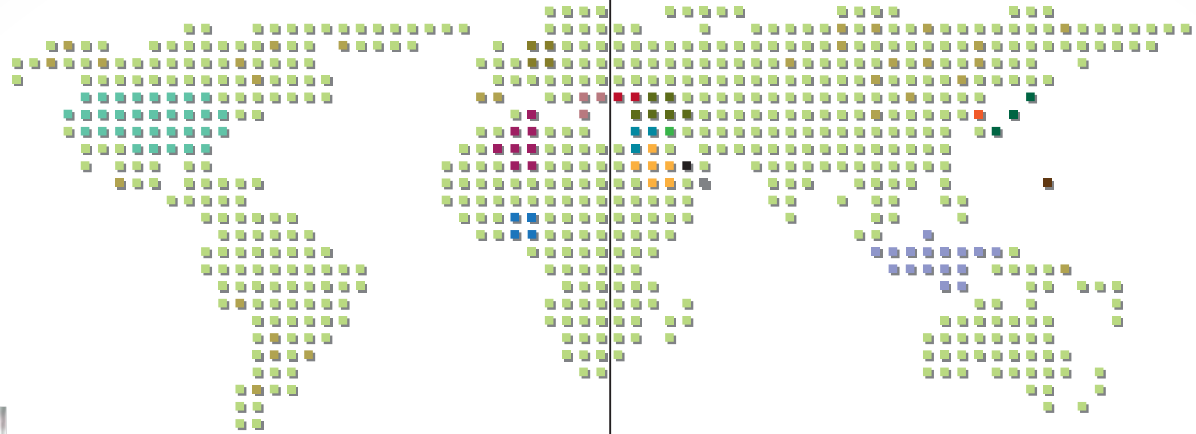
METAL EXPANSION JOINT FOR BOILER DUCT



NON-METAL EXPANSION JOINT FOR BOILER DUCT



Chemicals & Petro Chemicals Industry



Metal Bellows for Heat Exchanger



Jacket Type Expansion Joint



Gimbal Type Expansion Joint



T-Balanced Type Expansion Joint



Expansion Joint Assembly For FCC



Refractory Lined Expansion Joint



S.KOREA SK E&C NEW PX PROJECT
SMP W-1 PROJECT

JAPAN TOKUYAMA PJT
TOKUYAMA PROJECT
LEO+/SILVER PJT

SAUDI ARABIA JUBAIL EXPORT REFINERY
R-0173 YANBU #3 PJT
SADARA MIXED FEED PJT
SCP EXPANSION PROJECT
RABIGH PETROCHEMICAL PROJECT
SAUDI KAYAN OLEFIN PROJECT
RABIGH PHASE II PROJECT

KUWAIT LPG TRAIN #4 MAA PJT

GREECE BOURGE 3 PJT

INDONESIA BTR PJT
CILACAP RFCC PROJECT

ALGERIA ALGIERS REFINERY PJT

QATAR R-0174 RAS TANURA PJT

TURKEY IZMIT REFINERY PJT

OMAN SALALAH PROJECT
SOHAR AROMATICS PROJECT

NIGERIA ESCRAVOS GAS PROJECT - #3

USA USGC ETHYLENE PROJECT

THAILAND IRPC-UHV PLANT PROJECT
SPRC-CLEAN FUELS PROJECT

TURKMENISTAN TRUKUMENBASHI PROJECT

ASME & BV HP VAPORIZER PROJECT

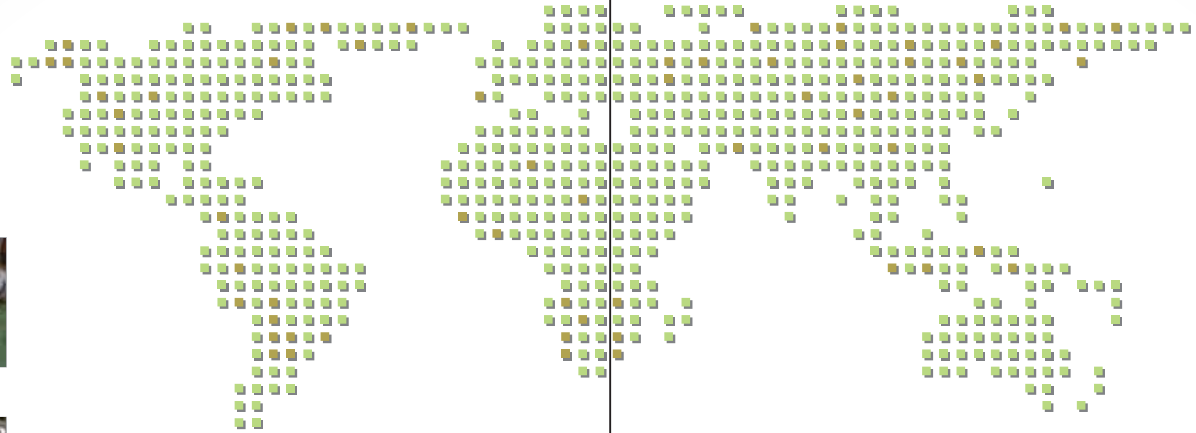
ALL COUNTRIES OF THE WORLD

TRACK RECORD

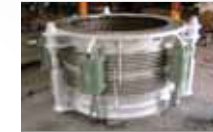
Marine Industry (on-shore / off-shore)

HKR designs and manufactures a wide variety of bellows type expansion joints for LNG Carriers rating from 3/8" to unlimited size of nominal diameter in accordance with the EJMA, ASME, IGC, GTT and special code required from customers. HKR Expansion Bellows for LNG Carriers are inspected and certified by classifications from LR, ABS, DNV, BV, KR, NK, ABS and GTT.

ALL COUNTRIES OF THE WORLD



RH-OB EXPANSION JOINT



EXPANSION JOINT FOR BFG & COG GAS DUCT



EXPANSION JOINT FOR CDQ BLR



BF FAN S-BALANCE TYPE EXPANSION JOINT



HULL NO	SHIPBUILDER	SHIPOWNER	CLASS	COUNTRY	PROJECT
H 2254	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	EXMAR	BV	BEIGIUM	150.900CBM LNG Carrier
H 2268, 2278	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	TMT Co.,Ltd	BV	Taiwan	TMT173.,400CBM LNG Carrier
H 2273, 2277	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	SHELL	BV	Brunei	173.,400CBM LNG Carrier
H 2235	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	KRISTEN	ABS	GREECE	145,000CBM LNG Carrier
H 2288,2291,2292,2295,2296	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	MARAN	DNV	GREECE	159.800CBM LNG Carrier
H 2402	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	EXCELERATE RV	BV	USA	173,400CBM LNG-RV FRSU
H 2297, 2298,	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	CARDIFF	DNV	GREECE	159.800CBM LNG Carrier
H 2400, 2401	"DAEWOO SHIPBUILDING & MARINE ENGINEERING Co.,Ltd"	CARDIFF	ABS	GREECE	159.800CBM LNG Carrier
S 1910	STX Offshore & Shipbuilding	SOVCOMFLOT	LR	RUSSIA	170,000 CBM LNG Carrier
H2295	MITSUBISHI HEAVY INDUSTRIES, LTD	OGS	NK	JAPAN	155,000 CBM LNG Carrier
H2297, 2298	MITSUBISHI HEAVY INDUSTRIES, LTD	BAHAMA	LR	JAPAN	155,000 CBM LNG Carrier

IRON / STEEL MILLS

Major Customer

HKR has served demanding/top-tier clients, which we believe is a testament to the quality of our product and the trust with our partners.

Power Plant (Equipment) Owner / Manufacturer



TOSHIBA

HITACHI
Inspire the Next

MITSUBISHI
HEAVY INDUSTRIES, LTD.
Our Technologies, Your Tomorrow



KEPCO



DOOSAN Doosan Heavy Industries & Construction

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

IHI

Shipbuilder

MITSUBISHI
HEAVY INDUSTRIES, LTD.
Our Technologies, Your Tomorrow

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

stx Offshore & Shipbuilding

SAMSUNG SAMSUNG HEAVY INDUSTRIES

DSME

Oil & Gas / Petrochem Plant Owner



SK chemicals

GS Caltex

S-OIL



سابك
sabik

UOP
A Honeywell Company

ExxonMobil

EPC Customer

SK E&C

GS E&C

SAMSUNG
SAMSUNG ENGINEERING

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

ALSTOM

CHIYODA

ABB

DAELIM

SIEMENS