



DUKCHEON
TECHNOLOGY CO.,LTD.

주식회사 덕천
株式會社 德天

Contents

Company Status

01

- 1 Company Overview
- 2 Vision
- 3 History
- 4 Organization Chart

Core Competencies

02^s

- 1 Product Introduction
- 2 Supply Track Record
- 3 Key Clients
- 4 Certification Status
- 5 Contact Point

01

Company Status

- 1 Company Overview
- 2 Vision
- 3 History
- 4 Organization Chart



Company Status

| About US

Name Dukcheon Technology Co., Ltd

Establishment 2001년 08월 25일

President Chung, Soowon,
Chung, Heebeom

Corporate Vision Technological
Development Through
Creativity

Core Products

Fabrication of ferrous, Non-ferrous Metal Pipe Spools
(Marine Engine, Marine & Offshore Plants, Nuclear
Power Plant)

E-mail dukpoo@korea.com

Homepage www.dukcheon.com



↑ Plant 1
(Ungchon, Ulsan)



↑ Plant 2
(Oedong, Gyeongju)

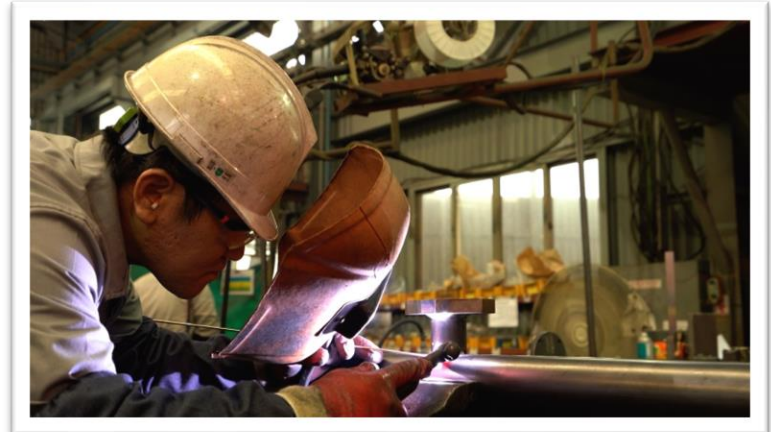
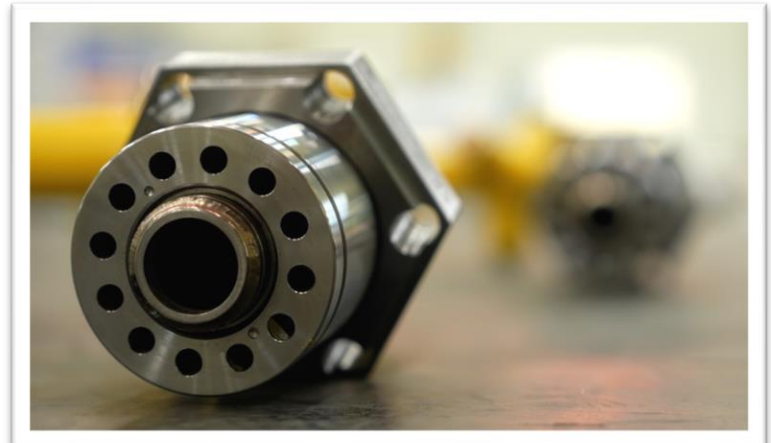
Company Overview

| About US

Dukcheon Technology Co., Ltd. is a specialized manufacturer of onshore and offshore piping spools.

For the last 24 years, we have contributed to the shipbuilding and offshore industry as a company specialized in the production of pipe spools for marine engines, onshore and offshore projects.

In response to global environmental issues and the changing shipbuilding and marine environments, we manufacture gas double-walled piping systems for gas-fueled ships, as well as vacuum-insulated cryogenic double-wall piping. We aim to continue advancing as an engineering company that addresses the evolving shipbuilding and marine industry with cutting-edge technology.



비전

| Vision

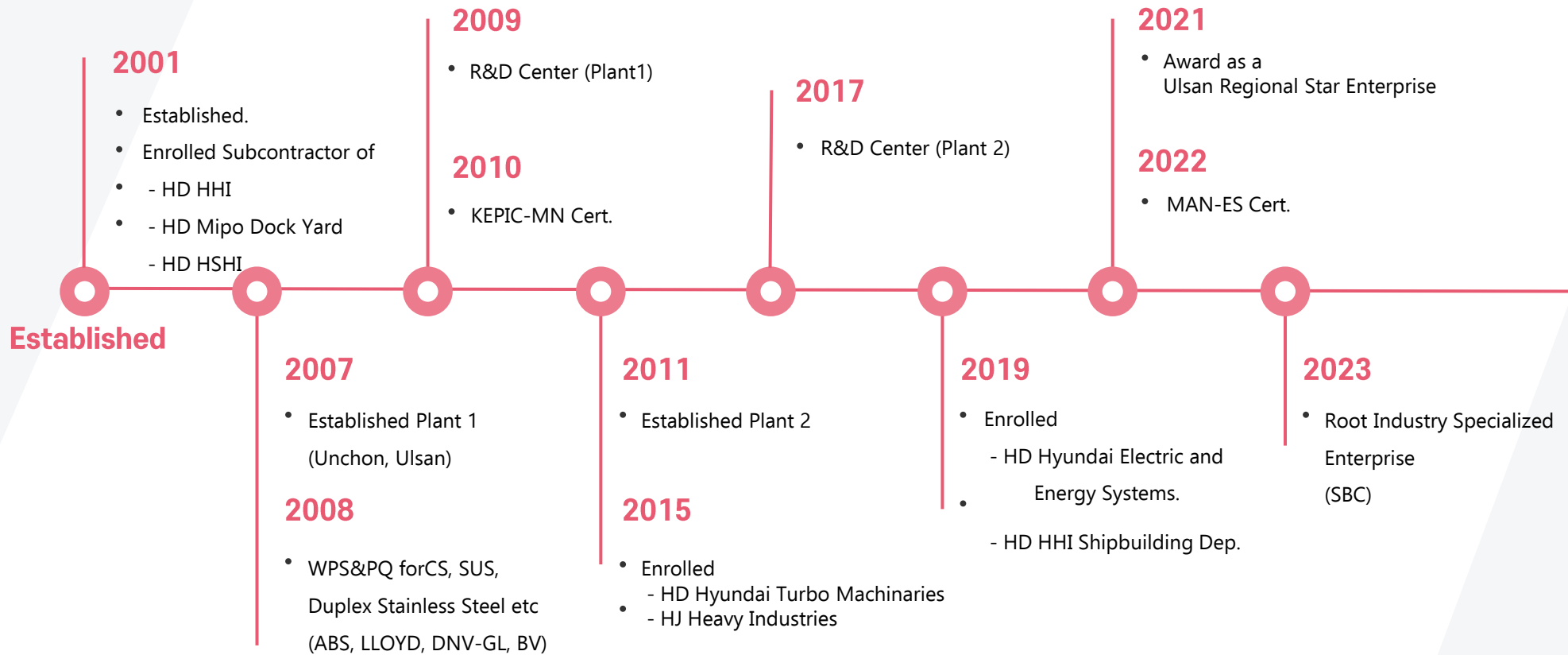


Technological
Development
Through **Creativity**

Dukcheon Technology Co., Ltd. has a extensive experience and technology in the manufacturing of piping spools for shipbuilding, offshore, onshore, and special materials. With the equipments and specialised jigs for piping spool fabrication, we are capable of producing customized ones tailored to our clients' needs. Dukcheon Technology Co., Ltd always places customer satisfaction as its top priority and strives to provide the highest quality products and services.

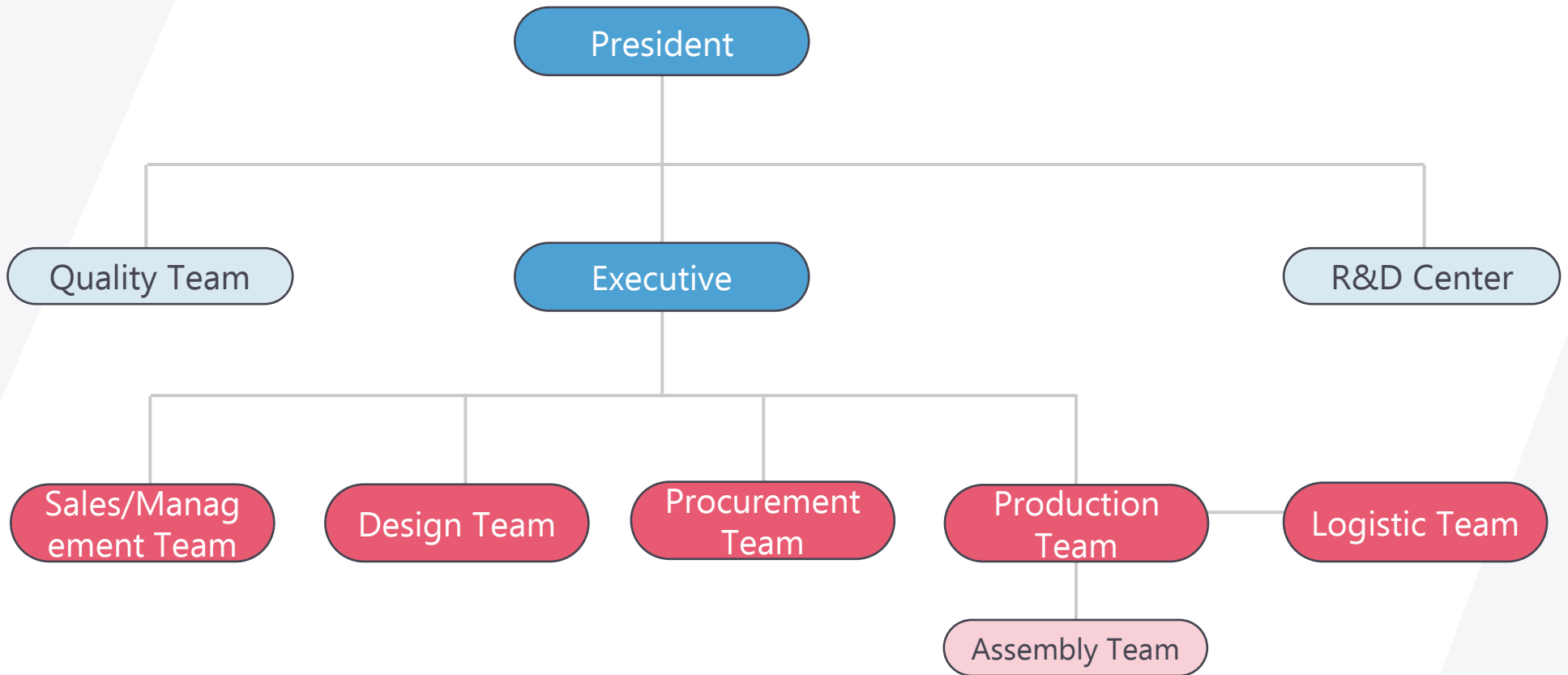
History

| Company History



Organization

| Organization Chart



02

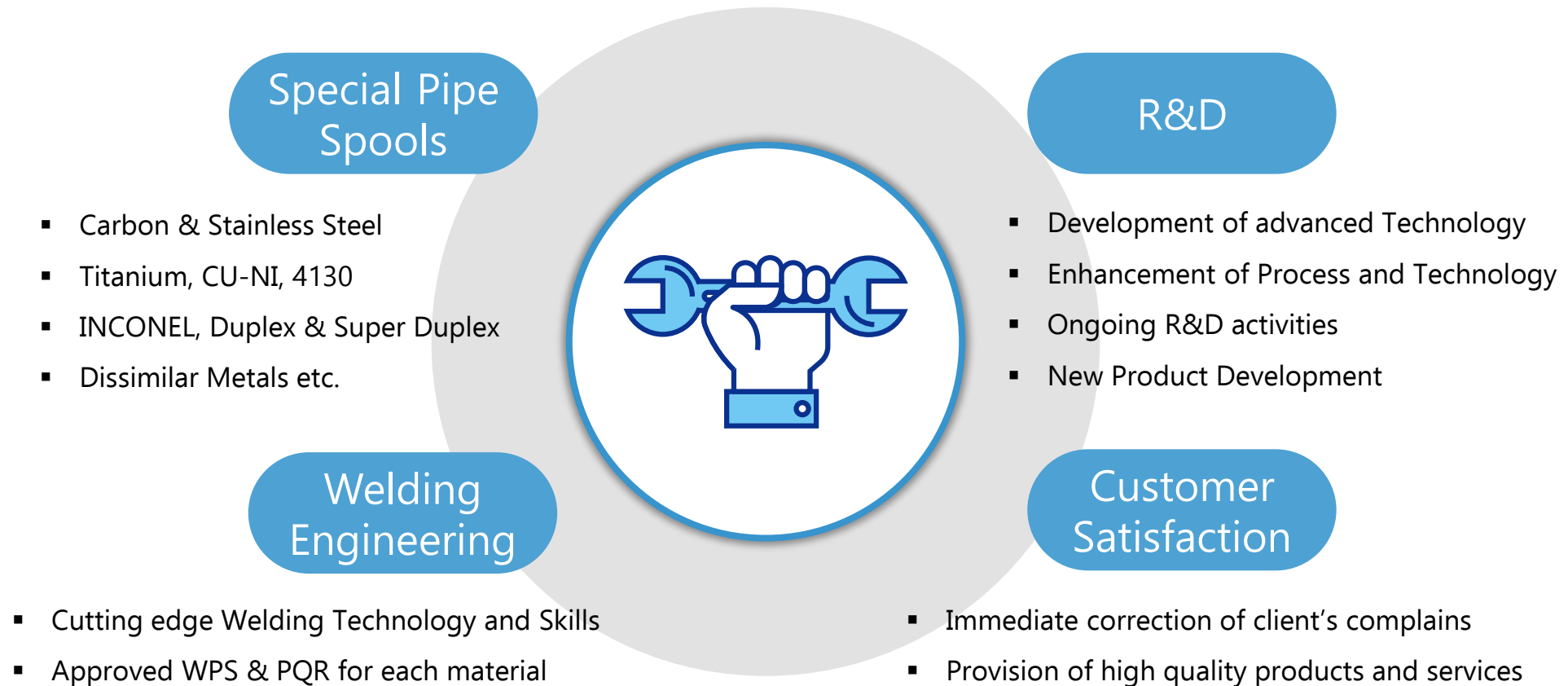
Core Competencies

- 1 Product Introduction
- 2 Supply Track Record
- 3 Key Clients
- 4 Certification Status
- 5 Contact Point



Core Competencies

| Capability



Product Introduction

| Product Description

(1) Marine Engine

- Pipe Spools for Marine Engines



(2) Shipbuilding

- Deck House, etc.



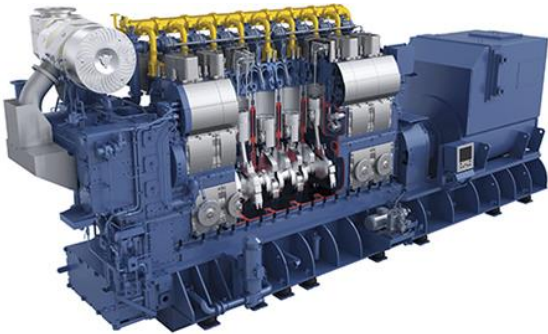
(3) Offshore Plant

- Non-ferrous Pipe Spool



(4) Nuclear Power Plant

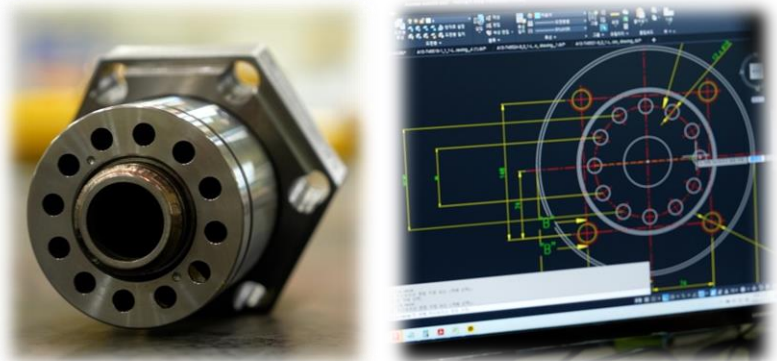
- Pipe Spools for EDG(Emergency Diesel Generator)



Product Introduction

| Product Description

(5) Double Wall Pipe Spool Fabrication



Double Wall Pipe
spool

- Double Wall Pipe Spools for Gas Fuel Vessels



Vacuum Insulated
Pipe Spool

- Vacuum Insulated Double Wall Pipe
Spools for LNG

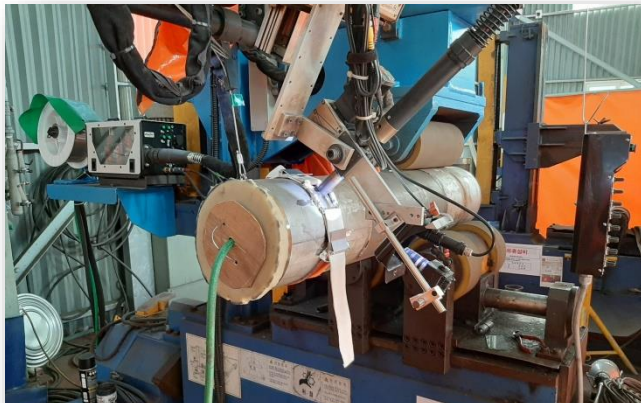
Product Introduction

| Product Description

Automatic Welding Machineries
- Manufactured by Our company

01

02



Remote Control Automatic GMAW Welding M/C



**Flange Automatic Welding
GTAW M/C**

Product Introduction

| Product Description

Automatic Welding Machineries
- Manufactured by Our company

03

04

05



**GMAW
Vertical Automatic Welding M/C**



**Automatic SAW
Pipe Welding M/C**



**Robot Automatic
Welding M/C**

Facilities

I Major Facilities

Plant 1 (Unchon, Ulsan)

: Pipe spools for Marin Engines and EDG of Nuclear Power Plants

CUTTING M/C

PIPE BEVEL CUTTER
2

BAND SAW
4

PIPE COASTER
600A / 1

PLASMA CUTTING
2

BENDING M/C

CNC PIPE BENDER
38TSR / 2

CNC PIPE BENDER
85TSR / 1

CNC PIPE BENDER
120TSR / 1

WELDING M/C

TIG
50

Co2
60

OTHERS

TRUCK
4

FORK LIFT
2

Facilities

I Major Facilities

Plant 1 (Unchon, Ulsan)

: Pipe spools for Marin Engines and EDG of Nuclear Power Plants

WELDING POSITIONER

POSITIONER
125A~600A / 2

ROTATOR
600A / 5
1000A / 4

MACHINING EQULP

LATHER
Ø580 / 1

Milling M/C
1

Radial Drilling M/C
2

LIFTING EQUIP

OVER HEAD CRANE
2ton~20ton / 9

GANTRY CRANE
2

Facilities

I Major Facilities

Plant 2 (Oedong, Gyeongju)

: Non-ferrous Metal & Special Pipe Spools

CUTTING M/C

PIPE BEVEL CUTTER
150A, 500A / 2

BAND SAW
700A / 2

PLASMA CUTTING
150A * 20T / 2

Pipe Coaster
600A / 1

WELDING M/C

MIG WELDING
500A / 2

TIG WELDING
500A / 30 / Pulse

SEMI-AUTO AL. WELDING
600A / 18 / Al. welding

CO2 WELDING
500A / 30

GOUGING
1000A / 1

Orbital Tig Welding M/C
4" / 1

WELDING POSITIONER

ROTATOR
600A / 6

ROTATOR
1000A / 8

Facilities

I Major Facilities

Plant 2 (Oedong, Gyeongju)

: Non-ferrous Metal & Special Pipe Spools

MACHINING EQUIP

LATHER
1200 X 4500 / 1

LATHER
940 X 2000 / 1

LATHER
580 X 2000 / 2

MILLING M/C
2

DRILLING M/C
3

LIFTING EQUIP

OVER HEAD CRANE
2ton~20ton / 11

GANTRY CRANE
10ton~70ton / 2

FORK LIFT
3ton, 7ton / 2

OTHERS

TRUCK
3

HYDRAURIC PRESSURE TEST EQUIPMENT
210bar / 1

Vacumm Rotary Pump /1

Vacumm Turbo Pump /1

Helium Vacuum Detector /1

Pipe Expander /1

N₂Leak tester /1

Supply Track Record

| Supply performance

Pipe spool

No	Customer Client	Project Name Item	Size	Mat'l
1	HHI (HD Hyundai Heavy Industries)	Ship engine pipe	1/2" ~ 24"	Carbon Steel
2	SUNG JIN GEOTEC SIDEM	Fujairah II Desalination plant	1/2" ~ 72"	Duplex Steel (S31803)
3	NOV-KOREA NOV-Norway	High pressure pipe MUD stand pipe	5.5" ~ 7" (31t~38t)	Alloy Steel
4	NOV-KOREA NOV-Shanghai	Riser pipe Booster line	5.5" ~ 7" (31t~38t)	Alloy Steel
5	NOV-KOREA PACIFIC Drilling	Riser pipe Hydraulic Line	2.5"	Duplex (S31803)

Supply Track Record

| Supply performance

Pipe spool

No	Customer Client	Project Name Item	Size	Mat'l
6	HHI TOTAL	USAN Hydro test cap	4"	SS (316L)
7	HHI WOODSIDE	NR2 Field welding piping	8" , 30"	Titanium
8	OCEAN US SAKHALIN ENERGY	Sakhalin phase II Drain water line	2" ~ 4"	Duplex Steel (S31803)
9	OCEAN US SAKHALIN ENERGY	Sakhalin phase II Injection Water Line	1½" ~ 14"	Super Duplex Steel (S32760)
10	OCEAN US SAKHALIN ENERGY	Sakhalin phase II Sea Water Line	1½" ~ 12"	6Mo, Super Stainless Steel (S31254)

Supply Track Record

| Supply performance

Pipe spool

No	Customer Client	Project Name Item	Size	Mat'l
11	HHI CHEVRON	Gorgon LNG plant welding piping	1" ~ 72"	SS (304, 316L)
12	HHI BP	Clair Ridge Drilling Production	1" ~ 24"	SS, DSS, Cr-Mo
13	HHI EXXONMOBIL	Hebron Fixed platform process & utility	1"~24"	Duplex steel, Cr-Mo
14	HHI SEC	JSTPP (Jeddah) Combined heat & power plant	3" ~ 28"	Stainless steel (304, 316L) DSS
15	HSHI TOTAL	Moho Nord FPU Hull & Topside	1/2" ~ 16"	Stainless steel (316L, 904)

Supply Track Record

| Supply performance

Pipe spool

No	Customer Client	Project Name Item	Size	Mat'l
16	HHI STATOIL	Aasta Hansteen SPA FPSO Topside	1/2" ~ 30"	Titanium, 6 Mo
17	HHI SEC	SSPP (Shuqaiq) Combined heat & power plant	3" ~ 28"	Stainless steel (304L, 316L)
18	HHI EXXONMOBIL	Odoptu Stage II Process Piping for Onshore Modules	1" ~ 16"	SS (316L)
19	HHI ENI	Jangkrik FPU Hull & Topside	1/2" ~ 12"	Cu-Ni (C70600)
20	HHI TOTAL	Badamyar Fixed platform process & utility	1/2" ~ 16"	Cu-Ni (C70600)

Supply Track Record

| Supply performance

Pipe spool

No	Customer Client	Project Name Item	Size	Mat'l
21	HHI HESS	Bergading Central Processing Platform	1/2" ~ 30"	SS (316L)
22	HHI PETRONAL CARIGALI	Baronia Upstream Facilities	1/2" ~ 24"	SS (316/316L)
23	POSCO	Pohang No. 3 Blast Furnace, 3rd Revamp Pulverized Coal Injection Equipment	1" ~ 18"	Carbon Steel Stainless Steel (sts304)
24	GS NEOTEK DAEWOO E&C	S-OIL RUC PJT (Pkg3 Of Area2) Shop Fabricated Pipe spool	1" ~ 36"	Carbon Steel Stainless Steel (304L)
25	ADMA-OPCO HHI	NASR Package2 Fixed platform process & utility	1" ~ 24" 2" ~ 16"	SS(316L) Super Duplex Steel(S32750)

Supply Track Record

| Supply performance

Pipe spool

No	Customer Client	Project Name Item	Size	Mat'l
26	HHI MAN-ES	GAS ENGINE for SHIP CHAIN PIPES (TYPE: LGIP, LGIM & GI)	IP: 1" - 1 1/4" OP: 1-1/2" - 2 1/2"	SUS 316L, Duplex, Super - Duplex (Pipe) SUS 316L (Flange)

Supply Track Record

| Supply performance

Scrubber Damper

No	Customer Client	Project Name Item	Size / Quantity	Material
1	Panasia	JOANNA 3 EA Scrubber Damper	500A ~ 2800A / 32EA	SUS316 / SUS304
2	GreenWorks	RCS RCS Outlet Damper	150A	Inconel 625

Key Clients

| Client



Certificate Status

| Certification

MAN Energy Solutions Certificate of Approval



LGIP



LGIM



ME-GIE

Certificate Status

| Certification

MAN Energy Solutions Certificate of Approval



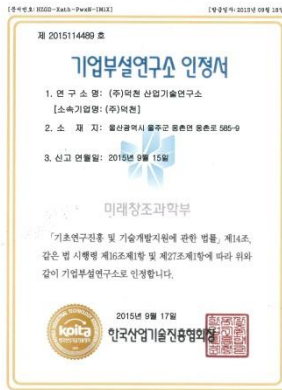
GI-MK1



GI-MK2

Certificate Status

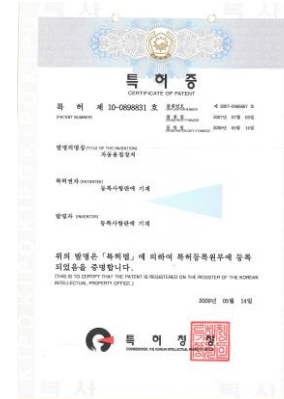
| Certification



R&D Center



Patent
Arc Welding MC



Patent
Welding
Automation MC



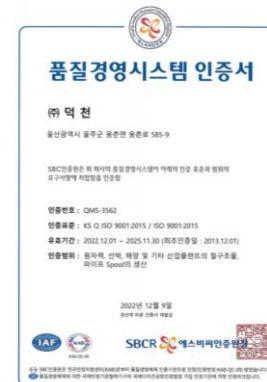
Patent
Leak prevention
device for welding
purge gas



Patent
Control Method of
Welding MC



Patent
Pipe Welding MC



ISO9001

Certification Status

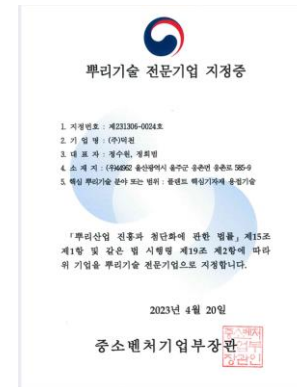
| Certification



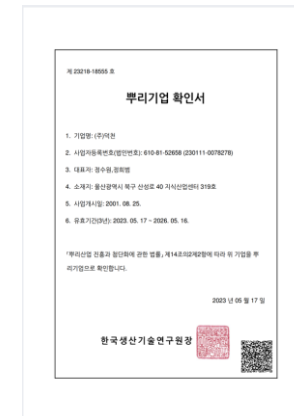
KEPIC-MN Approval



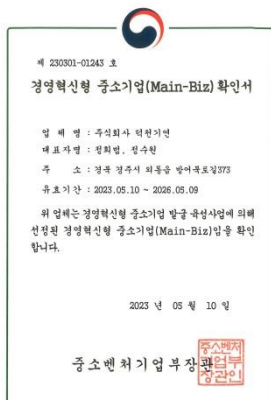
DNV Shop Approval



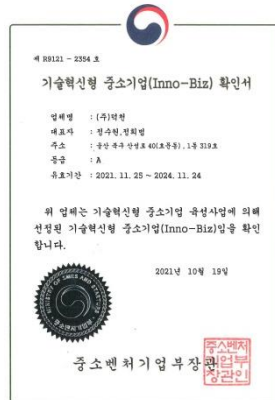
Root Industry Specialized Company



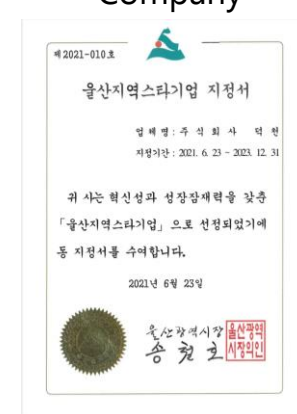
Root Enterprise Certificate



Main-Biz

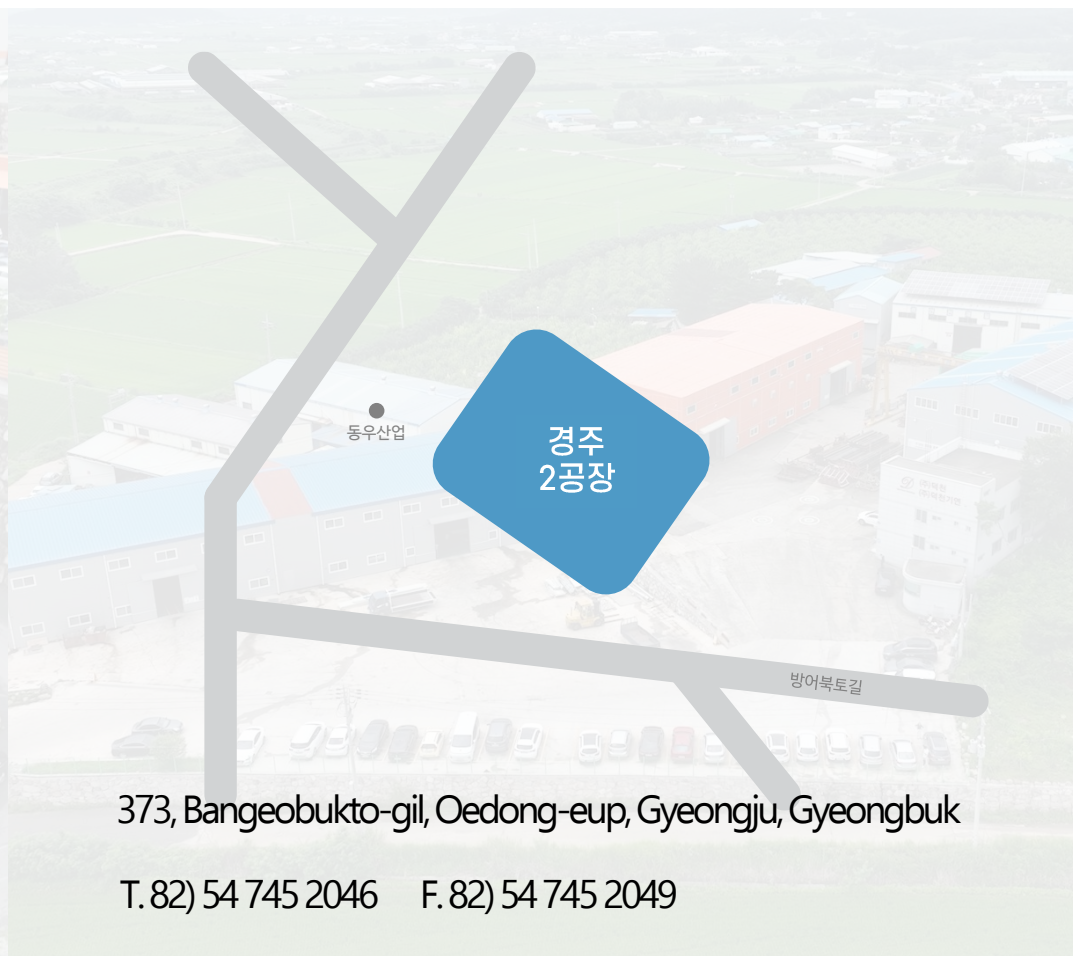


Inno-Biz



Regional Star Company

Contact Point





THANK YOU

for your attention