



# **Regency Steel Japan Limited**

## **株式会社 リージェンシー・スチール・ジャパン**

**Company Profile**

# Corporate Profile

Name	Regency Steel Japan Limited	
Date of Establishment	December, 2004	
Date of Beginning Operation	January, 2005	
Common Stock	JPY 100,000,000	
Shareholders and the Investment Ratio	FELS Offshore Pte. Ltd.	51%
	Mitsui & Co., Ltd.	44%
	Nippon Steel Corporation	5%
Number of Employees	64 (as of 1 <sup>st</sup> April 2023)	
Representative	Hiroki, Ishihara - President and Chief Executive Officer	
Nonexecutive Directors	Ng, Seng Chong Foo, Kok Seng Quah, Chin Kau Suzue, Tomohisa	
Auditor	Lee, Soon Wee	
Major Business Areas		

## Offshore



### Rack and Chord for Jack-Up Rig

Rack & Chord made by our company is used on Jack-Up Rigs that operate in the major sea areas in the world.

## Steel Pipes and Tubes for Structure



Steel pipes for structures are fabricated with our large bending roll and pressing machines. RSJ is one of few domestic companies able to fabricate bending over 100mm thickness steel plate. This valued skill is used for Tokyo Sky Tree and Tokyo International Airport (Haneda) D-runway jacket.

## Steel Plant



Our fabrication skill is inherited from our former company of Nippon Steel Corporation, and it has been highly esteemed from many customers.

There are many fabrication and supply records of extra-large welded structures such as blast furnaces and converters to major domestic steel makers.

## Heat Treatment



Our heat treatment facilities - furnace and cooling bath - are capable of variety of heat treatment such as extra-thick material and large welded structures.

# Quality Policy “Commitment to Quality”

The quality mission of Regency Steel Japan Limited is to achieve customer satisfaction by promoting continuous quality improvement in our product and application of technology and expertise to enable effective and efficient operation.

- ❑ Striving even harder for better quality products
- ❑ Concentration of technology and expertise
- ❑ Operational effectiveness and efficiency
- ❑ Committing to the continual improvement



## JIS Certificate

Certification No. QA818001

Registered Certification Body JIC Quality Assurance Ltd. (JICQA)

Date of Certification 8<sup>th</sup> January, 2019

Scope of Certification JIS number, and designation of Products/Processing technologies

JIS number	Type or grade
JIS A 5525 Steel pipe piles	SKK400 SKK490 -
JIS G 3444 Carbon steel tubes for general structure	STK290 STK400 STK490 STK500 STK540

Other Matters

1) Production method Arc welded steel pipe (Bending rolled pipe)

2) Outer diameter  $\Phi$ 1,400mm~2,700mm

3) Plate thickness 16mm~50mm

• For JIS A 5525, as an attachment, lifting metal hook can be installed as per instructions from the buyer.

• JIS certified scope is as stated above, however, general steel pipe' manufacturable range is different. Please refer to "Bending Roll Pipe Bending Capacity".

# RSJ Core Values

RSJ will be a global leader in the manufacturing and solution provider of treating high end steel products, known internationally.

## Core Values

<b>“Passion”</b>	Can Do
<b>“Safety”</b>	Uphold high Safety Standards
<b>“Integrity”</b>	Ethics, Honesty, and Responsibility
<b>“Customers Focus”</b>	Value added Solutions (On time and Within Budget)
<b>“People Centredness”</b>	Value and Nurture People
<b>“Agility and Innovativeness”</b>	Adapt to Change and Innovate for Growth
<b>“Accountability”</b>	Responsible to all Stakeholders
<b>“Collective Strength”</b>	Global Mindset and Teamwork
<b>“Commitment to quality”</b>	Maintain high quality standard

Regency Steel Japan Limited (RSJ) is a joint venture company between FELS Offshore Pte. Ltd. of Singapore and Mitsui Bussan Steel Trade Co., Ltd. established in December, 2004. (In 2010, Mitsui & Co., Ltd. acquired shares from Mitsui Bussan Steel Trade Co. Ltd.) In June 2009, RSJ welcomed our third party shareholder, Nippon Steel Corporation.

As a leading company of Rack & Chord for Jack-Up rigs which is used for drilling in offshore oil fields and gas fields in the world. RSJ is well positioned in the field of offshore structure and steel making facility such as large welded structure and extra-thick special pipe. In addition to that, RSJ has been expanding heat treatment business in recent years.

In addition to our previous manufacturing system, it has been able to establish a strong strengthening productions by Nippon Steel's capital participation. RSJ will promise to work on product manufacture for our customers' satisfaction as never before.



# Track Records

## Rack and Chord (Major Jack-Up Rig Design)



Rack



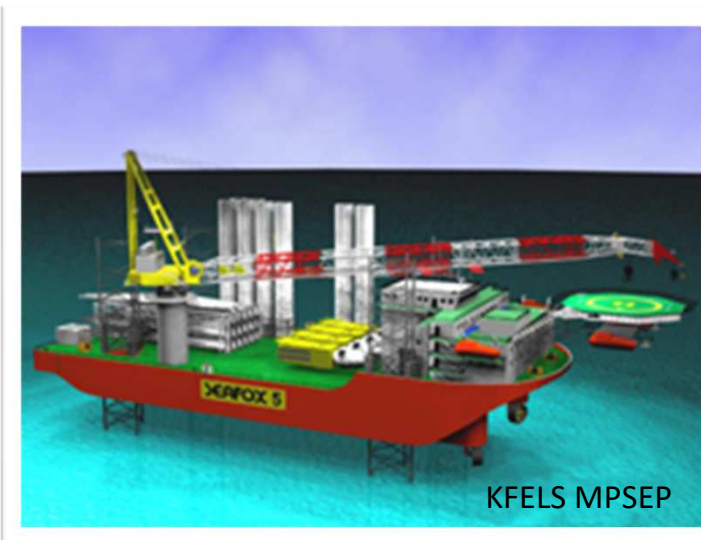
Chord



Rack & Chord



KFELS B Class



KFELS MPSEP

### KFELS B Class

Leg Length	517 ft
Rack Thickness	177.8 mm
Chord Thickness	57.15 mm
Max Water Depth	400 ft
Max Drilling Depth	30,000 ft
Material Name	EQ70

### KFELS N Class

Leg Length	568 ft
Rack Thickness	177.8 mm
Chord Thickness	82.55 mm, 110 mm, 115 mm
Max Water Depth	400 ~ 500 ft
Max Drilling Depth	35,000 ft
Material Name	WEL-TEN780Mod-040

### KFELS Multi-Purpose Self-Elevating Platform (MPSEP)

Leg Length	348 ft
Rack Thickness	177.8 mm
Chord Thickness	57.15 mm, 82.55 mm
Max Water Depth	213 ft
Material Name	WEL-TEN780Mod-040

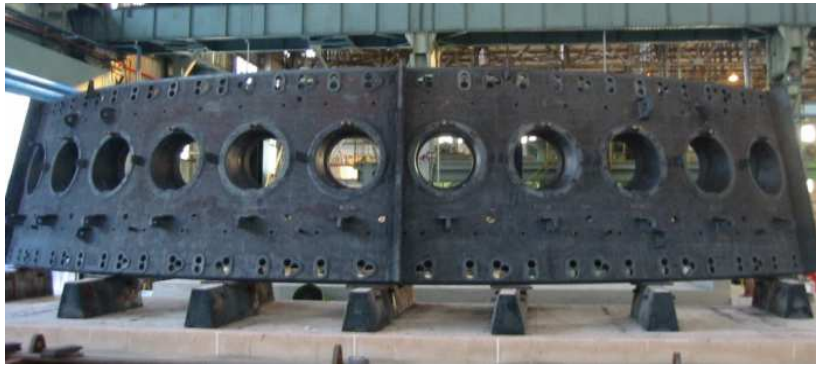
### MSC CJ70-X150-MD

Leg Length	678 ft
Rack Thickness	210.0 mm
Chord Thickness	62.5 mm, 82.5 mm, 95.0 mm, 120.0 mm
Max Water Depth	492 ft
Max Drilling Depth	40,000 ft
Material Name	WEL-TEN780Mod-060



# Track Records -Large Welded Structure for Steel Making Facility-

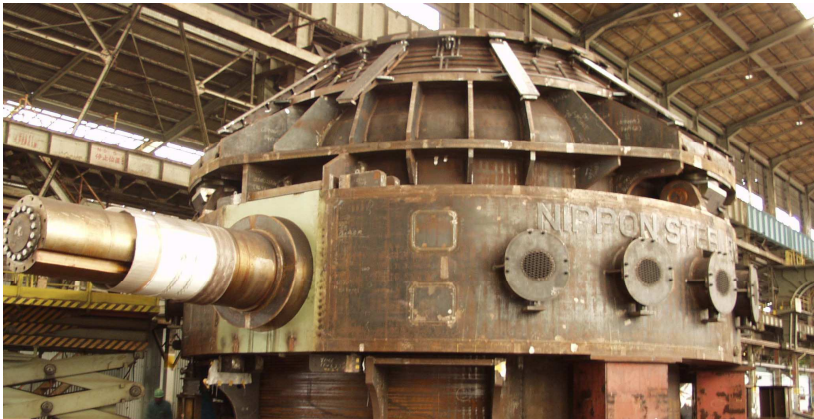
## Blast Furnace Tuyere Mantel



## Blast Furnace Mantel



## Steel Converter



## Hot Stove Furnace



## Hearth Roll for Continuous Annealing Equipment (CAPL)





## Track Records - Extra Thick Large Diameter Pipe -

### Steel Pipe for Tokyo Int'l Airport (Haneda)



#### Specification SM570-Z25S

TS	570 ~ 720 N/mm <sup>2</sup>
YP	≥ 420 N/mm <sup>2</sup>
T :	18 ~ 70 mm
OD :	1,000 mm
L :	21,000 mm (max)

### Steel Pipe for Tokyo Skytree



#### Size

T	36 ~ 100 mm
OD	1,100 ~ 2,300 mm
L	10,000 mm (max)

#### Specification

#### BT-HT500C

#### BT-HT630B

TS	590 ~ 740 N/mm <sup>2</sup>	780 ~ 930 N/mm <sup>2</sup>
YP	500 ~ 650 N/mm <sup>2</sup>	630 ~ 750 N/mm <sup>2</sup>

## Center Pole for skwid (Floating Wind & Current Hybrid Power Generation)



#### Specification SBHS700W

TS	780 ~ 930 N/mm <sup>2</sup>
YP	≥ 700 N/mm <sup>2</sup>
T :	11 ~ 75 mm
OD :	1,800 mm
L :	30,500 mm (max)

## Track Records - Others -

### Spherical Shell Tank for LNG Vessel (Aluminum)



### Rotary Kiln





## Major Facilities – Cutting Machine –



NC Gas / Plasma Cutting Machine



Band Saw

Facility	Q'ty	Capacity etc.
NC gas / plasma cutting machine	2	Maximum Thickness 250 x 10,000 x 54,000 (mm) ① Gas torch 8, Plasma torch 2 ② Gas torch 6, Plasma torch 2
Band saw	2	Cutting size (mm) W 800 x H 410
Eye-tracer	1	Number of torches : 6 Plate T 6~400 x W 2,500 x L 7,850 mm Maximum size 2,000 x 2,000 mm

## Major Facilities – Heat Treatment –



Heat Treatment Furnace



Cooling Operation



Heat treated Chord plate

Heat Treatment Furnace	No.1 Furnace	No.2 Furnace
Starting Operation	July, 2007	April, 2008
Quantity	1	1
Effective working zone of heating equipment	L 15,000 mm W 4,000 mm H 3,500 mm	L 11,000 mm W 4,000 mm H 900 mm
Maximum heating temperature	1,100 °C	1,100 °C

### Cooling Bath

Starting Operation	July, 2007
Quantity	1
Effective working zone of cooling equipment	L 11,000 mm W 3,000 mm D 4,000 mm
With 2 cooling towers	



# Major Facilities – Pressing Machine –

10,000 ton Pressing Machine



3,000ton Pressing Machine



1,500ton Pressing Machine

Pressing Machine	10,000 ton	3,000 ton	1,500 ton
Starting operation	October, 2007	June, 2011	March, 2012
Quantity	1	1	1
Type	Straight-side	Four Column	Four Column
Nominal force	100,000kN	30,000 kN	15,000 kN
Maximum stroke	1,500 mm	1,200 mm	1,200 mm
Daylight	2,500 mm	3,000 mm	3,000 mm
Bed dimensions	10,200 x 1,700 mm	5,000 x 2,500 mm	5,000 x 3,500 mm
Slide dimensions	10,000 x 1,800 mm	5,000 x 2,000 mm	5,000 x 2,000 mm

And 600 ton & 200 ton



# Major Facilities – Bending Roll –



Small Bending Roll



Large Bending Roll



Bending Operation by Large Bending Roll

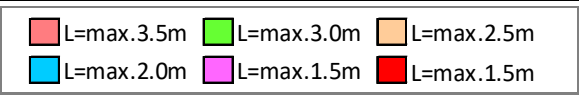
Bending Roll	Small	Large
Starting operation	July, 2011	April, 1976
Quantity	1	1
Nominal force	12,000 kN	22,000 kN
Maximum Thickness	Cylinder bending : 85 mm (at OD 2,000, at w=2,000 mm) Edge bending : 60 mm (at OD 2,200, at w=3,500 mm)	Cylinder bending : 130 mm (at OD 3,000, at w=3,000 mm)
Minimum Bending	ID 900 mm	ID 1,400 mm
Maximum Width	3,500 mm	5,000 mm
Others	With edge bending & conic bending function	-

※ The bendable plate thickness varies depending on the material, diameter, length, etc. of the steel pipe, so please contact us for details.

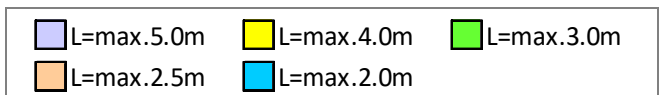


SS400 at YS 32kg/mm2

### Small Bending Roll Bending Capacity

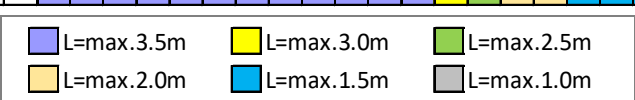
[illegible]

## Large Bending Roll Bending Capacity

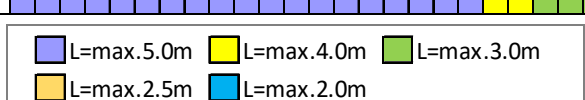
[illegible]

SM490 at YS 40kg/mm2

### Small Bending Roll Bending Capacity

[illegible]

Large Bending Roll Bending Capacity

[illegible]

※About sizes near boundary, please contact us for detailed examination.

# Major Facilities – Machining –



Vertical Boring and Turning Mill

## Vertical Boring and Turning Mill (NC Machine)

Starting operation	March, 1972
Quantity	1
Table Diameter	Φ 6,300 mm
Maximum Milling Diameter	Φ 11,200 mm
Minimum Milling Diameter	Φ 800 mm
Maximum Milling Height	3,600 mm
Load Weight ( $\leq 5\text{rpm}$ )	120 Ton
Load Weight ( $\leq 20\text{rpm}$ )	50 Ton
Table Drive Motor	AC 120 kw
Manufacturer	SKODA



Small Boring Machine



Large Boring Machine

## Boring Machine (NC Machine)

### Small

### Large

Starting Operation	October, 1989	April, 1985
Quantity	1	1
Milling Spindle Diameter	Φ 340 mm	Φ 320 mm
Ram Size	—	600 x 700 mm
Spindle Diameter	Φ 130 mm	Φ 210 mm
Quill Stroke	450mm~1,000mm	1,500 mm
Column Stroke (X)	7,500 mm	14,000 mm
Spindle Head Vertical Stroke (Y)	3,500 mm	5,000 mm
Spindle Head Drive Motor	VAC 22kw (Continuous) VAC 30kw (30 minutes)	AC 75 kw
Manufacturer	TOSHIBA MACHINE	TOSHIBA MACHINE



# Major Facilities – Others -



Straightening Machine



Rack & Chord Automatic Welding Machine



Grid Blast Equipment



16tonForklift

Facility	Q'ty	Capacity etc.
Straightening machine	1	Nominal Force: 2,000~10,000 kN, Stroke 1,000 mm Area of ram head: 1,200 x 1,200 mm Daylight: 1,500 mm
Overhead crane	14	B-Line: 3 (20 ton), C-Line: 3 (20 ton) D-Line: 3 (20 ton), E-Line: 1 (30 ton), G-Line: 2 (55 ton) M-Line: 2 (110 ton , 150 ton)
Grid blast equipment	1	Size of blasting room (mm) L 12,000 x W 8,560 x H 6,000
CO <sub>2</sub> Semi-automatic Welding Machine	107	600 A / 500A / 350 A
Submerged Arc Welding Machine	7	With manipulator: 5 / Carriage type: 2
Rack & Chord Automatic Welding Machine	6	Boom travelling distance: 2,500 mm Carriage travelling distance: 25 m
Forklift	3	24 ton / 16 ton / 6 ton
Wall Crane	9	C-Line: 2 (2.8 ton), D-Line: 2 (2.8 ton), G-Line: 2 (2.8 ton) & 3 (5 ton)



# Location

Address : 46-59 Nakabaru, Tobata-ku, Kitakyushu, Fukuoka 804-8505 Japan

Phone : +81-93-861-3103

FAX : +81-93-861-3114

E mail : [regencysteeljapan@r-sj.com](mailto:regencysteeljapan@r-sj.com)

URL : <http://rsj2004.com>

