

Company Profile

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1. Introduction

CHUNJO Construction Company had established 6th Sep, 2000.

We have been worked Mechanical Erection including Heavy Equipment Erection(Heavy Lifting Works), Construction Equipment Rental, Piling work and Civil work based on to keep saftey & environmental requirements and best quality.

Our performed all projects should be completed on-time schedule and high quality according to Clients requirements.

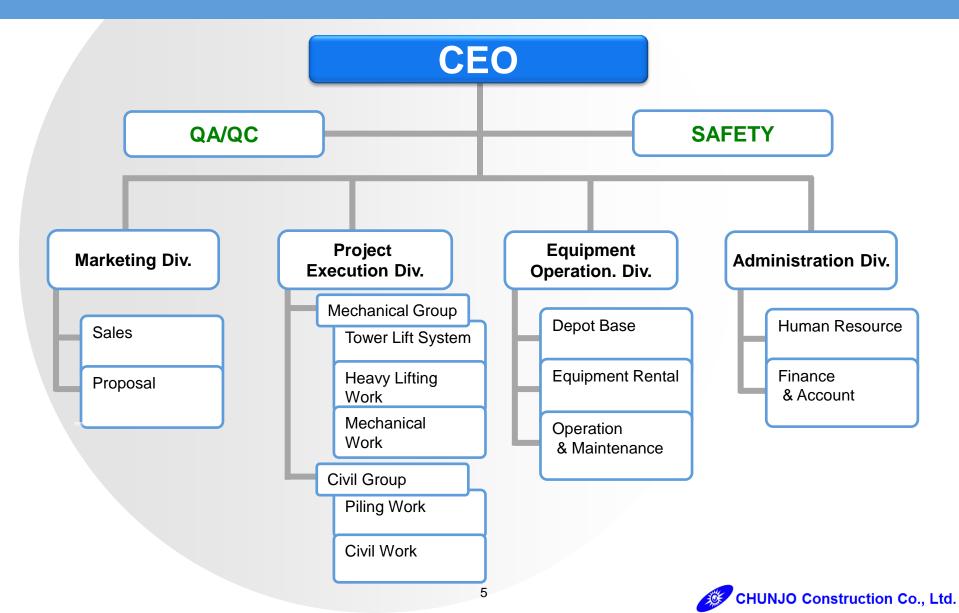
We, CHUNJO Construction, will be sustainable growing together Clients with trust and techical knowledge. Hopefully, we will meet and work with Clients in future.

2. PROFILE

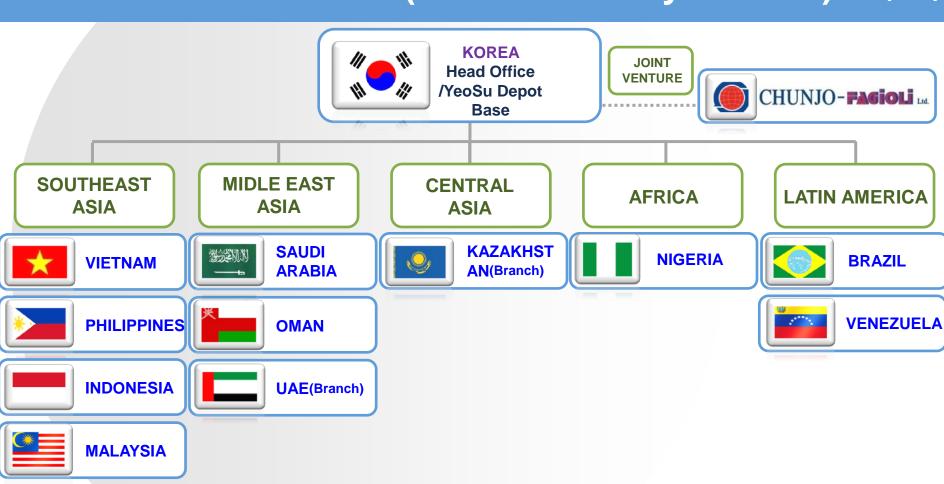


- ♦ 6th September, 2000
- 110(Permanent Only)
 - Korea Depot Base(Yeosu)
- KSA Depot Base(Jubail)
- Mechanical Work
- Heavy Lifting Work
- Tower Lifting Work(TLS)
- Equipment Rental
- Piling Work
- Civil Work
- Worldwide trade of new/ Used equipment

3. ORGANIZATION



4. GLOBAL NETWORK(J.V./Subsidiary/Branch) (1/2)



* Note: Details are referred to Attachment#1

THAILAND

SINGAPORE



5. OWNED CONSTRUCTION EQUIPMENT

Crawler Crane

2300 Ton	1 Unit
1350 Ton	1 Unit
1250 Ton	1 Unit
750 Ton	9 Units
550 Ton	1 Unit
400 Ton	3 Units
320 Ton	5 Units
250 Ton	12 Units
200 Ton	1 Unit
180 Ton	3 Units
135 Ton	2 Units
120 Ton	3 Units
100 Ton	2 Units
50 Ton	12 Units

Hydraulic Crane

220 Ton	1 Unit
100 Ton	9 Units
75 Ton	14 Units
70 Ton	3 Units
60 Ton	5 Units
55 Ton	9 Units
50 Ton	47 Units
30 Ton	15 Units
25 Ton	15 Units

Tower Lifting System

Tower Lifting	
System	1 Unit
2400T	

Piling Equipment

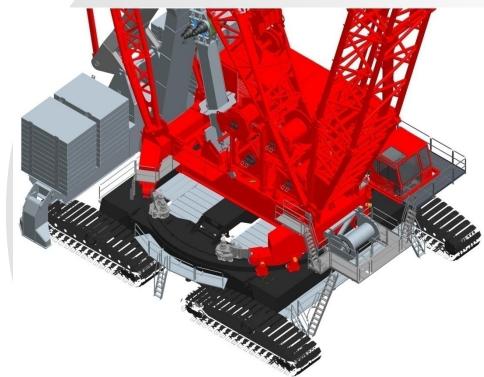
Pile Driver	18 Units
Air Compressor	20 Units
Generator	20 Units
W/Excavator 5 Uni	
Pay Loader	2 Unit

Others

Man Lift	38 Units
Fork Lift	20 Units
Cargo Crane	20 Units
ETC. (Truck 2.5t, Pick-up,Fuel Truck, SUV)	34 Units

5-1. 2300Ton Crane (MANITOWOC 31000)

(1/4)



Maximum Capacity: 2,300 m ton at 15 meters

Maximum Load Moment: 33,600 m. ton meter at 24 meters



Variable Position Counterweight

- Infinitely variable counterweight positioning, directly related to the load moment (patent pending)
 - Greatly reduces the ground preparation required
 - Pick and carry for all rated loads allows for maximum performance
- Automatically positioned via EPIC[®] control
 - VPC position is based on boom angle
 & applied load, allowing the operator to
 focus on the lift being made
- Counterweight configurable
 - 917.9 mton (2,023,000 lb) of maximum counterweight can be reduced for specific situations





5-1. 2300Ton Crane (MANITOWOC 31000)

IC 50 LARGEST SINGLE CRANE OPERATING COMPANIES

CHUNJO CONSTRUCTION WAS RANKED ON 6th

Chunjo Construction Korea: Manitowoc 31000 2,300



Now in its 18th year, the original ranking of the world's largest crane-owning companies shows a strong increase for 2013 and another 18 new entries give a further boost. IC reports



NOTES ON THE IC50

Companies are ranked by their IC Index, calculated as the total maximum load moment rating, in tonne-metres, of all cranes in a fleet. All companies in the list, plus other prospective ones, have the opportunity to supply fleet information and other data for inclusion in the ranking. Where companies supply the full data the figure used is calculated by them. In some cases, where no data is submitted, or is incomplete, we may base a company's equipment fleet figure on IC estimates. In cases of insolvency, acquisition or lack of information, companies are withdrawn from the table.

While we make great effort to ensure the occuracy of information provided, it cannot aranteed and IC accepts no liability for

es or omissions. dex will next be updated in 14. If you think your nlease contac

as they will appear separately in the special IC Tower Index in the September issue of IC.

ll the talk of improving economic conditions and recovery is borne out in the strength of growth in this year's IC50 ranking of the world's largest crane-owning companies. Compared with last year's 5% increase, in 2013 that increase has tripled to a 15% rise in the IC Index for the top 100 companies. Interestingly, while last year there was a good rise, it was achieved with fewer depots, employees and cranes than in 2011. This year there are just 3.5% more depots but the number of employees is up 15%, as is the number of cranes, which, other than the number of employees, match the overall rise in the index.

Picking up on the theme of increases, the same applies in the IC50 Top 10 Index, a sample comprising the top ten companies of the 2009 IC50 table. The 2010 numbers were higher than in 2009 and same was true in 2011 with the number of crawler

cranes a notable exception. In the 2012 Top 10 Index the total was up by about 10%, as it was in 2011 on the previous year. The number of depots in 2012 was up nearly 10% on 2011 and the number of employees was up nearly 15%. Wheeled mobile cranes were up by 125 units, or nearly 2%, in 2012 while the number of crawler cranes returned to an increase, of 4%. Total tonnage of the largest crane was up marginally in 2012, by 400 tonnes or just over 2%

Broadly matching the top 100 this year, there are 3% more company depots than in 2012 and 10% more employees. A difference is that there are slightly fewer cranes but still a rise in the Index, of 3.5%. It shows a lower percentage growth at the top of the IC50 but that the trend for larger cranes continues. With the bulk of the new super heavy lifters impacting the IC50 in 2011, this year's growth can be attributed

COMPANY	COUNTRY	MODEL	CAPACITY (t)
ALE	UK	AL.SK350	5,000
Mammoet	Netherlands	PTC 200 DS	3,200
Sarens	Belgium	SGC-120	3,200
Al Jaber Heavy Lift	United Arab Emirates	Terex CC 8800-1 Twin	3,200
Lampson International	USA	Lampson LTL-3000	3,000
Chunjo Construction	Korea	Manitowoc 31000	2,300
Deep South Crane & Rigging	USA	VersaCrane TC-36000	2,268
Integrated Logistics	Kuwait	Terex CC 8800-1	1,600
MIC	Japan	Terex CC 8800-1	1,600
Tiong Woon Crane and Transport	Singapore	Terex CC 8800-1	1,600
Sarilar Heavy Lift & Transport	Turkey	Terex CC 8800-1	1,600
Tat Hong	Singapore	Terex CC 8800-1	1.600

5-1. 2300Ton Crane (MANITOWOC 31000)

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VPC System-KPIC EOG Project



> KPIC EOG Project



NCC Expansion Project



Gwangyang Ironworks Posco Site



S-Oil Super PKG1 Project



5-2. Tower Lifting System



twenty years, but in 2006, a new contact was made for the first time with the Korean crane company Chunjo Company Limited which has changed the format of the Fagioli business in Korea. The first project performed with Chunio in 2006, and the first towarlift project performed by Fagioli in Korea, was part of the Chunjo turnkey contract HOU2 (see photo above), which involved the lifting of some two hundred and sixteen vessels by crane and three by Towerlift. In this case the Towerlift equipment was supplied on a rental basis from Fagioli Ltd. This project included a VDU Column which was 65 metres tall x 16 metres diameter and weighing 1,350 tonnes. This vessel was recorded in the Guinness Book of World Records as the largest VDU column to be lifted.

The successful completion of this project was closely followed in 2007, by the award by Chunjo of the Oman Sohar Contract (see photo below) for the lifting of two vessels by

Towerlift, again on a rental bass from Fagioli Ltd. It was ofear that the synergy between Fagioli and Chunjo was something that was beneficial to both companies and as such the shareholders began talks about the formation of a company



In 2009 the company Chunjo Fagloi Ltd was formed with both Fagloil and Chunjo taking a fifty per cent stake. The shareholders decided that to be competitive in Korea it was necessary for the company to own its own equipment and an investment was made for 32 No tower sections, 40 metre crosshead beams and L600 strand jack and control equipment. The equipment arrived in Korea in August of 2009 to be used for the first time by Chunjo Fagloil on the HOU3 project.

This was an extension to the previous development in 2006 as meritioned above. This was an extremely challenging project as it involved the placoment of six vessels between October and December taking account of the harsh Korean winter and the extremely challenging programme. The vessels to be lifted included four meaclos, which were the biggest to be lifted by the group at this time, weighing in at 1,300 knness and were 66 metres tall and 3.670 metres in dis.

The win tower arrangement was 83 metres tall and used crosshead beams of 40 metre span which allowed the seaches to be delivered adjacent to their final position and then traversed into place using the skidding troley system on the crosshead beams. The 1600 strand jacks were connected to a 1,900 tonce savivel to allow rotation of the meaclos into their final position. Due to the height and weight ratio of the reactors the towers were guyed using four L100 guy jack systems.

The reactors were delivered to site using Self Propelled Modular Trailers and this gave the Chunio Fadioli to employ a

special talling-in frame mounted on to the trailers. This specially made talling frame of two pinned columns connected to a strong back base frame to the 3 No of fourteen line trailers and utilising two L600 jacks for lifting of the reactor tall was conceived in Fagiol Ltd and used for the first time on this project.



As George Wilson the Fagioli Project Manager on the project stated "The control that this system gave was very good and of course diminated the mobilisation and cost of a huge crane, allowing the vessels other than the reactors, to be talled in using the tower erection cranes. The SPMT's could be moved in complete control as the reactors were lifted to the vertical.

The project was completed in to the exact schedule determined by the client and this was due to the cooperation of all concerned parties but in particular to the rigging and control of the Churio election team.

Mr. Kor Yoon, the President of Churjo Fagiolis stad "The cooperation and expertise of the site supervision from the UK, Italy and the Churjo people was tremendous and his led to the successful completion of a very important project leaving us with a very happy client. The project engineering carried out in London and the engineering in Italy of course contributed to this success, as this enabled the site work to be efficient."



"The success of this project has given Chunjo Fagioli an excellent name in Korea with the Korean Contractors, and the fact that the towers could be used unguyed up to a height of 100 metres was the reason we were able to secure the HDO 2 contract which we have just completed in May 2010. This project was again a part of a turnkey package awarded to Chunjo and taken under extreme competition" Mr Yoon added.

The HDO 2 contract was a very short lead in time from order to contract and the site schedule again very fight. The litting of the three vessels the heaviest being the regenerator at 950 tonnes and the tallest being the splitter at 88 metres was completed on schedule.

The towers remained assembled in twelve metre sections when they were stored after the completion of the HOU2 project and the shipment of these towers to the HDO2 site by barge saved a significant amount of time on the schedule.



Les Brown who is at present the Fagioii impresentative based in Fagioii impresentative based in Fagioii more and for said. Having been visiting and involved in the Korean business over the past twenty years for the Fagioii Group, it is an acciling challenge to now be involved in the building of a new company whilst living in Korea and learning to live in a different country with new cultures.

Chunjo Fagioli has now established itself as one of the leading towerlift companies in Korea and with the Korean contractors. It is also now bidding for strand jack projects and has started to promote many of the other Fagioli and Chunjo products.





Project	Vessel name.no	Vessel dimensions	Vessel weight	Tower height	Guyed	Beam span	Traverse	Rotation	Talling	Year
Hou2	VDU Column	66m x 15.2m	1,351 tonnes	94.4m	Yes	40m	Yes	No	Crane	2006
Hou2	Reactor	29m x 5.2m	915 tonnes	47.2m	No	40m	No	Yes	Crane	2007
Hou2	Reactor	33m x 5.2m	1,170 tonnes	47.2m	No	40m	No	Yes	Crane	2007
Sohar, Oman	Xylene col.	100m x 10.7m	1,572 tonnes	112.1m	Yes	19.8m	No	Yes	Crane	2008
Sohar, Oman	Raffinate col.	80m x 8.7m	652 tonnes	82.6m	No	19.8m	No	Yes	Crane	2008
Hou3	A Tower	76m x 4.2m	381 tonnes	88.5m	No	40m	Yes	No	Crane	2009
Hou3	V Tower	62m x 10.5	800 tonnes	88.5m	Yes	40m	Yes	No	Crane	2009
Hou3	Reactor	66m x 4.1m	1,811 tonnes	82.6m	Yes	23m	Yes	Yes	SPMT	2009
Hou3	Reactor	66m x 4.1m	1,746 tonnes	82.6m	Yes	23m	Yes	Yes	SPMT	2009
Hou3	Reactor	66mx 4.1m	1,811 tonnes	82.6m	Yes	23m	Yes	Yes	SPMT	2009
Hou3	Reactor	66m x 4.1m	1,746 tonnes	82.6m	Yes	23m	Yes	Yes	SPMT	2009
HDO Hou2	Regenerator	40m x 13.5m	886 tonnes	53.1m	No	40m	Yes	No	Crane	2010
HDO Hou2	Reactor	33m x 7.0m	424 tonnes	94.4m	No	28.5m	Yes	Yes	Crane	2010
HDO Hou2	Splitter col.	87m x 95m	658 tonnes	94.4m	No	28.5m	No	Yes	Crane	2010



5-2. Tower Lifting System

(2/2)

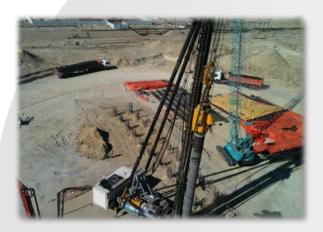


No.2 HOU Project, Korea



Sohar Aromatics Project, Oman

5-3. Piling Work







Kuwait North LPG Tank Farm Project, Kuwait

Yanbu Power & Desalination Plant Phase 3, Saudi



CSP Steel Plant Project, Brazil



> IRPC UHV Project, Thailand

6. EXPERIENCE OF WORK

6.1. Korea

VGOFCC PROJECT

Work Scope:

- 1. Heavy Lifting over 40tons
- 2. Super Heavy Lifting



SNG POSCO SITE

Work Scope: Heavy Lifting

Equipment Weight: 650tons Equipment Length: 51.3m



KPIC EOG PROJECT

Work Scope : Heavy Lifting

Equipment Weight: 670tons
Equipment Length: 92m



6.2. Overseas

Attachment#2 : Company Experience

PEARL GTL C4 PROJECT / QATAR

Client: SHELL

Contractor: Hyundai Heavy Industries Work Scope: Mechanical Erection 1,193items/33,380tons





YANBU POWER & DESALINATION PLANT PHASE 3 / SAUDI

Client: SWCC

Contractor: Samsung Engineering

Work Scope: Piling Work

D800/29~35m/5,787Piles D600/19~25m/4,654Pile





RMP-2 Project / PHILIPPINES

Client: RMP

Contractor: DAELIM

Work Scope: Heavy Lifting Work

1,193items/33,380tons



7. QHSE CERTIFICATES

Quality Management System (ISO 9001:2008)

Initial Registration Date: 31st Oct., 2006

Revision Date: 09th Jun., 2015 Expiration Date: 30th Oct., 2018





7. QHSE CERTIFICATES

Environment Management System (ISO 14001:2004)

Initial Registration Date: 31st Oct., 2006

Revision Date: 05th Jun., 2015 Expiration Date: 30th Oct., 2018





7. QHSE CERTIFICATES

Occupational Health and Safety Management System (ISO 18001:2007)

Initial Registration Date: 08th Jun., 2012

Revision Date: 18th Jun., 2015 Expiration Date: 17th Jun., 2018





