

**LGH**

■ **CRANES** ■

*Lifting Solutions*



# “LIFTING SOLUTIONS”

**LGH Cranes Co., Ltd.**

2018  
LGH CRANES COMPANY  
BROCHURE

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## WHO WE ARE

We are a solutions provider **“Crane Manufacturing Company”**  
More than 60 years **“Knowhow and Experience”**  
Combination of **“Highest Quality Crane Manufacturing”**  
with **“Highest Quality Lifting Machines.”**  
Design / Production / Installation / Inspection / Maintenance.  
Ready to **“Serve”** you appropriated products and services.  
We are **“Lifting Solutions”**

## OUR PHILOSOPHY

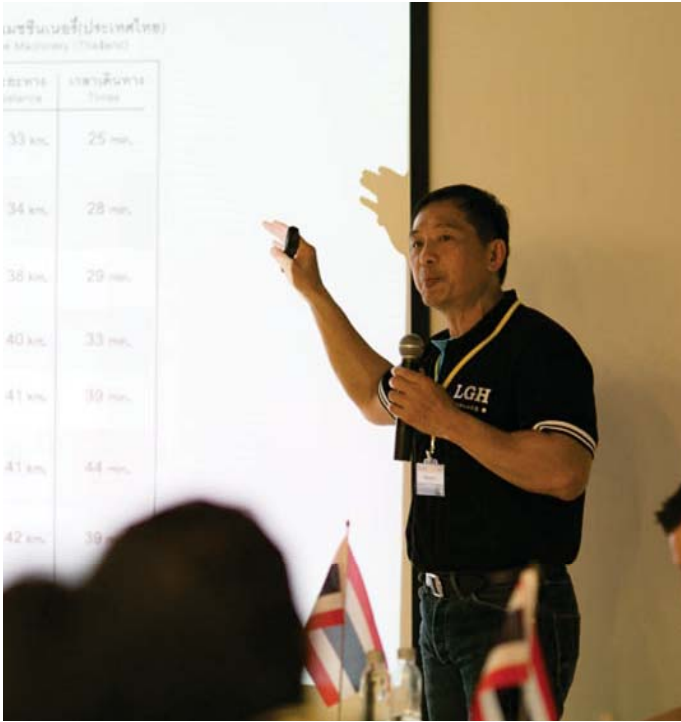
**T**imeliness ability to deliver on time.

**G**etting it right from the beginning  
Do it right at the first time.

**H**ighest satisfaction of our customers.

**Q**uality and After-Sales service.





**Mr. Peera Laohakarniyom**  
 President of Lee Machinery (Thailand) Co., Ltd.  
 formed a Joint Venture with  
 Industrias Electromecánicas GH, S.A.  
**"LGH Cranes Co., Ltd."**  
 To be the quality cranes maker in Thailand  
 for domestic and overseas markets.

# · GH ·

## CRANES & COMPONENTS

**60 YEARS EXPERIENCE  
 IN CRANE MANUFACTURING**

**Industrias Electromecánicas GH, S.A.**  
 A Global Leader in crane manufacturing with over  
**60 years experience** and presence in over 70 countries.

## COMBINATION OF TECHNOLOGIES



**Combination** of highest technologies in crane manufacturing (EU) & highest technologies lifting machines.

**Stong relationship** with machine manufacturer, so we gain supports in all area for knowledge of products.

**Understand** customer requirements  
 We speacalise in standard as well as custom made solutions.  
 We available for special design for various application or unique operations.

**WE ARE THE "SOLUTION" OF LIFTING BUSINESS.**



# PRODUCTS



Bridge crane & EOT crane



Gantry crane



Crane kits



Automotive marine gantries



Jib crane



Cantilever crane



End carriage and wheel head



Hoist



Transfer cart

Overhead (EOT) Cranes • Gantry Cranes • Jib Cranes • Monorails • Hoists forms our reliable manufacturers.

## SELECTED HOISTS MANUFACTURERS

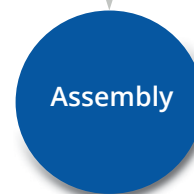


CRANES & COMPONENTS

### GH Cranes & Components

- 100% Hoist mechanism manufacture in Europe.
- In-house motor's manufacture facility.
- Original from Industrias Electromecanicas GH,S.A. Spain

## PRECISED LONG TRAVELLING UNIT



100% Imported Genuine Parts

- Tubular shaped machined structure.
- Easy, Fast & Minimal maintenance.
- Optimal load distribution.
- Precision machining on CNC machines.
- Enclosed gear drive system for good protection.
- Maximum performance.

# OUR SERVICES

## Design

Our design based on F.E.M standard/European norm  
Adjust the equipment suitable for customer's activities  
Others standard according to request.

## Manufacturing

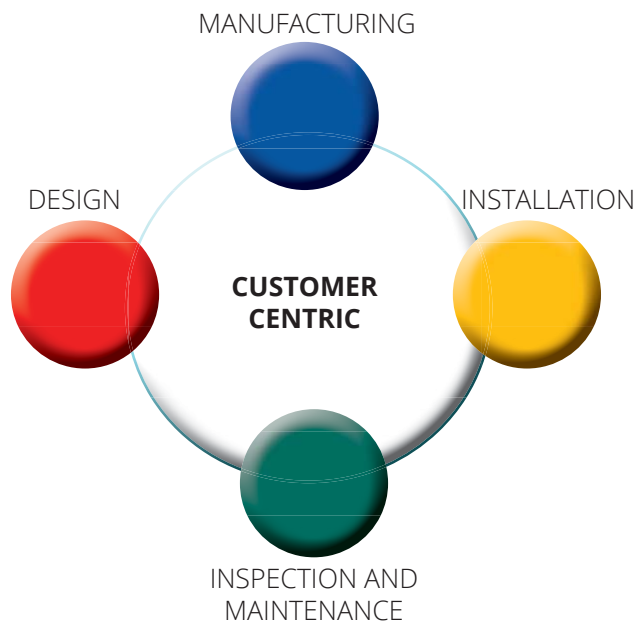
Manufacturing with certified persons  
Advantage machines, appropriate sequences  
Correct materials with quality control.

## Installation

Skills and experienced persons with Safety.

## Services & Spare parts

We provide complete maintenance for all types of cranes. Provide solutions that improve reliability & productivity of any business.



# QUALITY OF GENUINE PRODUCTS

Hoists  
End Carriages  
Electrical  
device

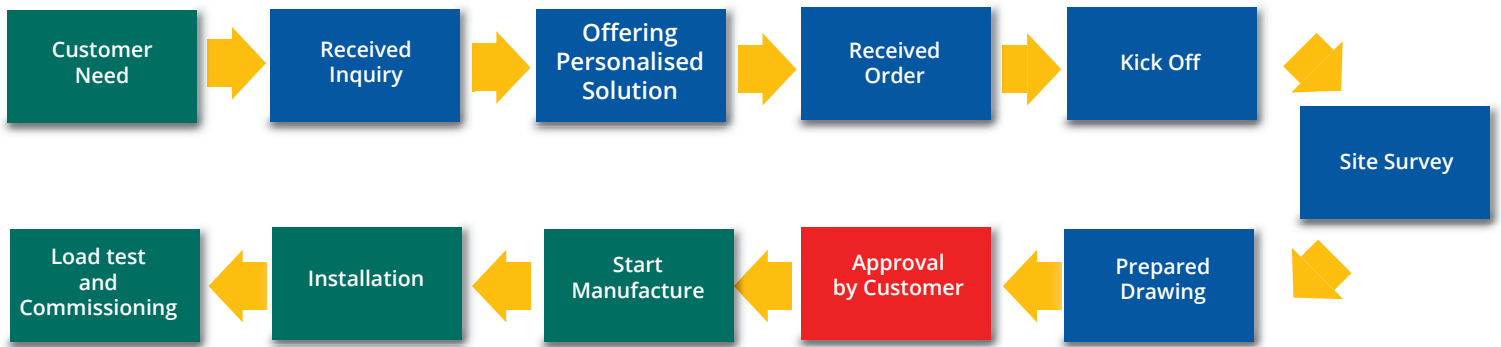
Import genuine parts direct from selected manufacturer.

Structure

Local manufacture by european manufacturing technologies.

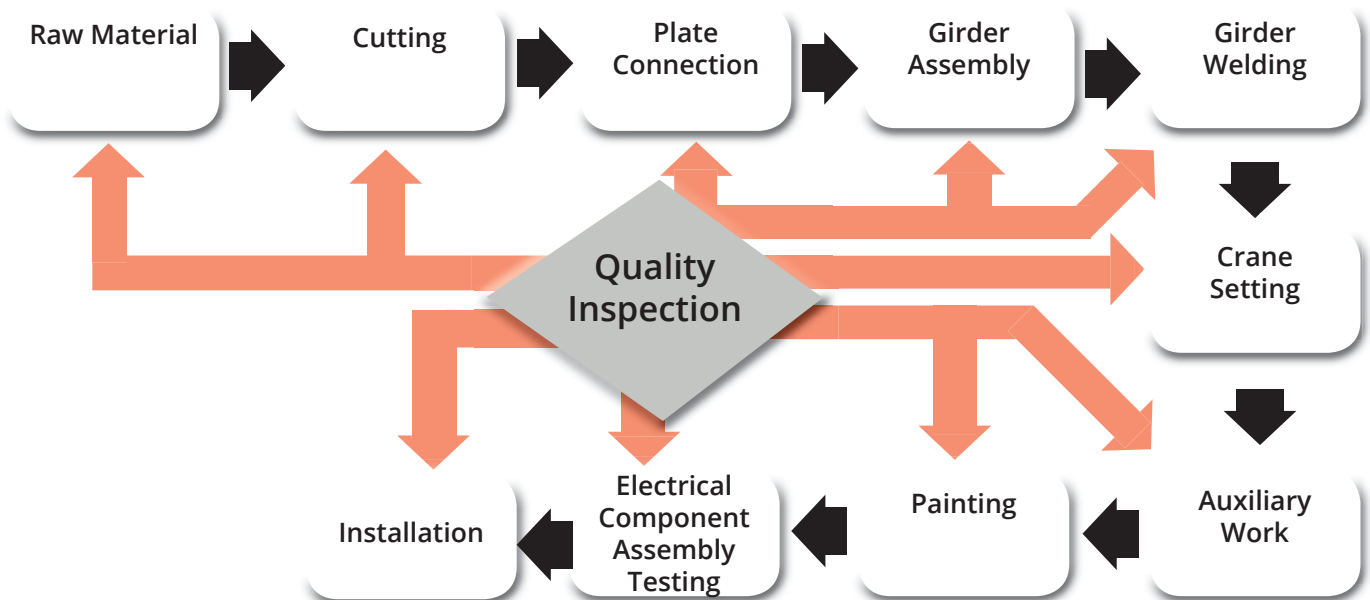


# WORKING PROCEDURE



Working step by step to make sure all requirements and products we served to customer are Correct and Satisfied customer needs.

# QUALITY IN MIND



Process sequences designed and working methodology were structured with Quality inspection and Assurance.



# CRANE MANUFACTURING

## MANUFACTURING SEQUENCE

PROCESS SEQUENCES DESIGNED AND WORKING METHODOLOGY APPROVED BY "GH CRANES & COMPONENTS"  
 A GLOBAL LEADER IN CRANE MANUFACTURING WITH OVER 60 YEARS EXPERIENCE AND PRESENCE IN OVER 70 COUNTRIES

## QUALITY ASSURANCE BY TOOLS

JIG FIXTURE FOR BOX GIRDER ASSEMBLY LENGTH 40 M.  
 CRANE SETTING SUPPORT FOR PERFECT 3D RECTANGULAR PLANE LENGTH 40M

## QUALIFIED WELDERS

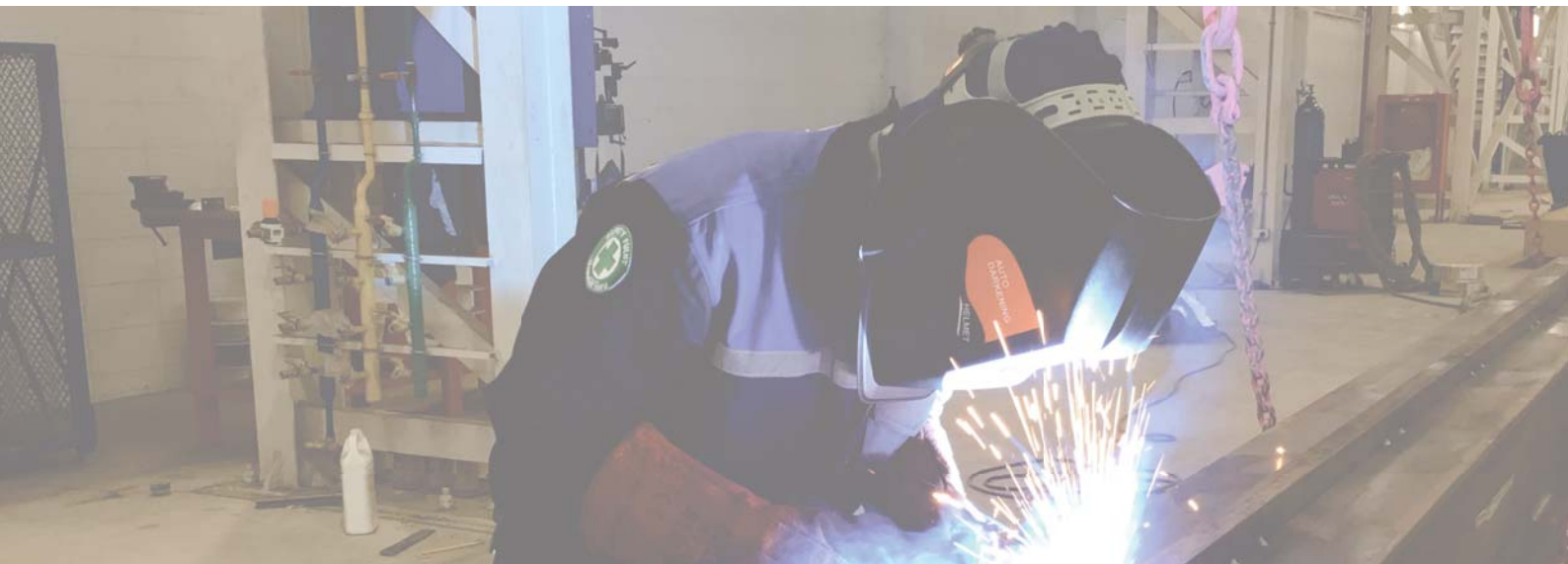
WELDING PROCESSES COMPLY TO EUROPEAN STANDARDS

The image displays three technical documents related to crane manufacturing quality assurance:

- Welding Specification:** A document from GH (Ganghoo Heavy Industry) titled 'ESPECIFICACION DE PROCEDIMIENTO DE WELDING' for WPS GH-SANG. It includes technical drawings of a box girder and detailed welding parameters.
- Welder Qualification Certificate:** Issued by PAE (Public Authority for Applied Education and Training) to welder LEE GS. It certifies his skills in various welding processes (MIG, TIG, MMA) and positions (1G, 2G, 3G, 4G).
- Manufacturing Analysis Report:** A report from LGH Metallurgical Research Center (LGH-MRC) detailing the material and process analysis for a specific crane component, including a photograph of the part.

## QUALITY INSPECTION

INCOMING INSPECTION FOR RAW MATERIAL  
 IN-PROCESS INSPECTION AS SPECIFIC CRITICAL DIMENSIONS ONLY FOR SPECIFIC TYPE OF CRANES  
 NON DESTRUCTIVE TEST AND 3RD PARTY AS PER REQUEST  
 FINAL TEST BEFORE DELIVER TO SITE TO ENSURE CRANES OPERATE SUCESSFULLY



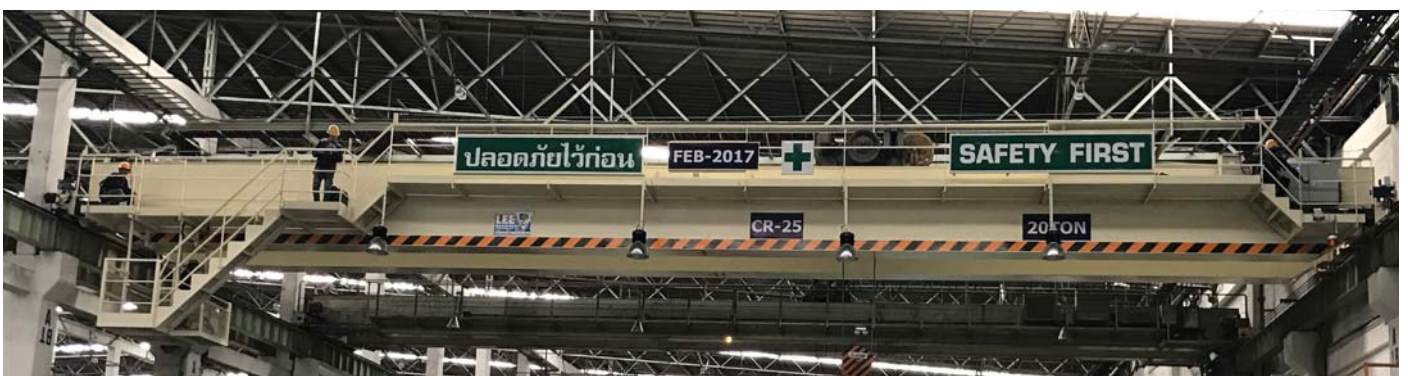


# REFURBISHMENT

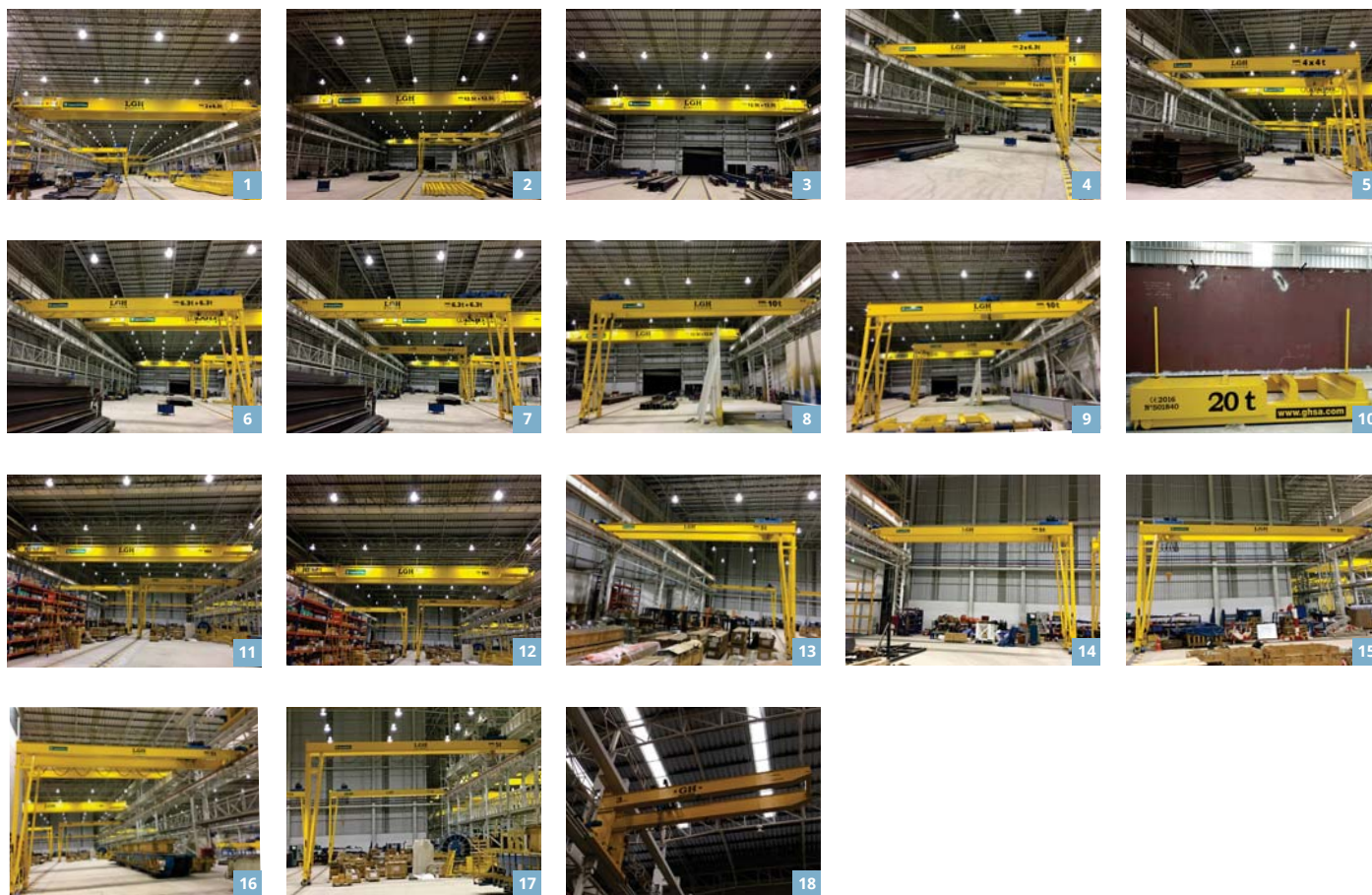


This service helps to add a new face to your crane. It adapting to new needs or improving safety.

Increase production and operating efficiency while lowering operating costs.



# INTERNAL LOGISTICS



## CRANE MANUFACTURING

1. DGEOT Crane 2x6.3t with Telescopic Magnet
2. DGEOT Crane 12.5t+12.5t (Synchronization)
3. DGEOT Crane 12.5t+12.5t (Synchronization)
4. Semi Gantry Crane 2x6.3t
5. Semi Gantry Crane 4x4t
6. Semi Gantry Crane 6.3t+6.3t (Synchronization)
7. Semi Gantry Crane 6.3t+6.3t (Synchronization)
8. Semi Gantry Crane 10t (Synchronization)
9. Semi Gantry Crane 10t (Synchronization)
10. Transfer Cart 20 t

## SERVICE, MAINTENANCE AND WAREHOUSE

11. DGEOT Crane 10t
12. DGEOT Crane 10t
13. Semi Gantry Crane 5t
14. Semi Gantry Crane 5t
15. Semi Gantry Crane 5t
16. Semi Gantry Crane 5t
17. Semi Gantry Crane 5t
18. Wall Travelling Jib Crane 3.2t

**“Each crane was individually designed to support Crane manufacturing process.”**

- Flipping
- Multiple Hooks control
- Synchronization

Appropriate material handling to each operation.

# EXPORTING TO AEC

Crossed over the limitation of transportation by designs  
"Splice Girder"  
"Know How of Girder manufacturing generate perfect alignments"



"Bolt Joint system and safety pin assembly" Fast and secure connection.



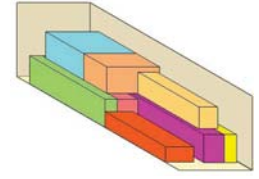
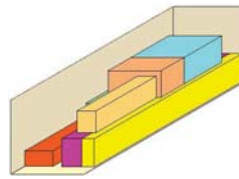
01598

"Lifting Lug equipped to each units to facilitate Load and Unload operation as default" Easy and Safe!



**Load Plan Details** Wed, Feb 08, 2017

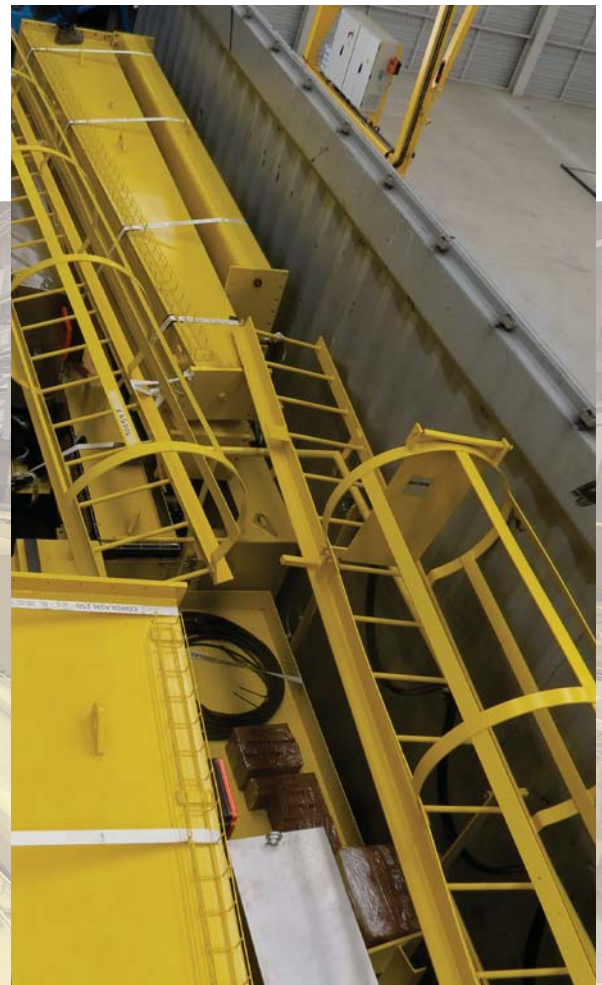
Container: # 1 Description: 40' (12.2 meters) Std. Dry Container  
 Shipment Database File: MetricUnitsDemo\_Update.mdb



Container Size, cm: Length: 1204 Width: 235 Height: 238  
 Cargo Counts: Total Cargo: 8 Loaded: 8 Not Loaded: 0  
 Length Used By Cargo: cm Used: 1107 Meters Used: 11.07 Meters Left: 0.97  
 Volume Info, Cu. M: Container Vol.: 67.34 Vol. Used: 26.1 Vol. Empty: 41.24  
 No kg limit set Total Weight: 7884 Container Vol. used: 38.8% Loaded: 7884 Not Loaded: 0  
 Packing Efficiencies: Container Vol. used: 38.8% Could contain in: 1106.7 L x 226.3 W x 175 H  
 Center Of Gravity Of Load: From Front: 515 cm

*This program determines an efficient spatial fit without consideration of safety or legal issues. The user must determine, and take responsibility for, the suitability of the layout.*

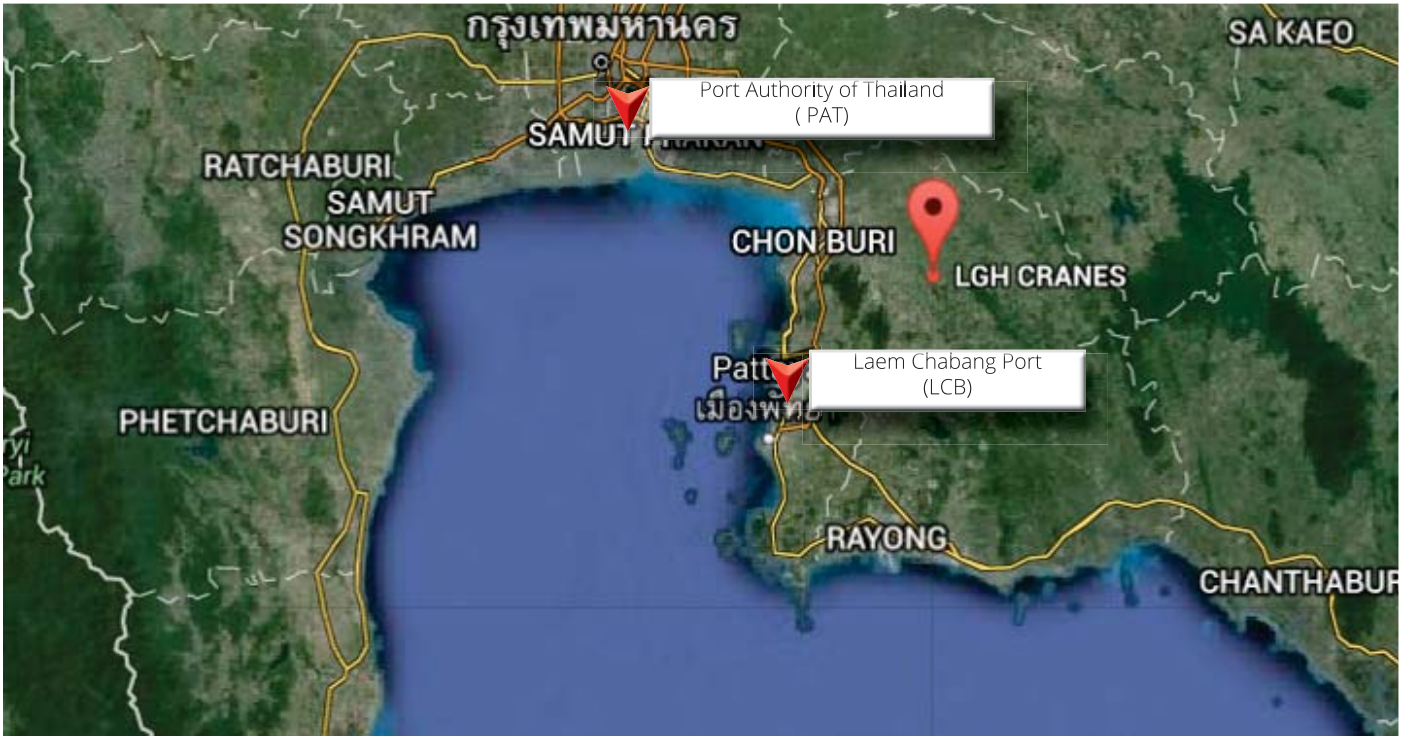
Part #	Qty	Priority	Description	L	W	H	Weight
GIRDER-A2	1	2	GIRDER-A-2	560	65	90	945
GIRDER-B-1	1	1	GIRDER-B-1	1100	40	90	1784
GIRDER-B2	1	2	GIRDER-B2	560	40	90	945
HOIST-BOX	1	3	DOUBLE GIRDER HOIST KITS GHD13 BIRAIL, 10T	280	170	85	1065
KIT COMPO	1	3	KITS COMPONENT	170	170	85	180
GIRDER-A1	1	1	GIRDER-A-1	1100	65	90	1825
END-CARRIAGE	1	3	END-CARRIAGE	450	90	50	890
BUSBAR	1	3	VAHLE BUSBAR	450	60	70	250



**“Acknowledge the sequence of Loading & Unloading”**

Minimize customer's work is our works. Systematic load plan help to reduce time and minimize damages from unloading operation.

# LOCATION



**GPS:** N13° 17' 02.9" E101° 15' 01.6"

Our factory is located in Banbueng District , Chonburi Province, Thailand.

55 km to Laem Chabang Port (LCB)

100 km to Port Authority of Thailand (PAT)



Our facilities are especially designed and prepared for crane manufacturing process.

Factory Area	10,150	m <sup>2</sup>
Office Area	1,630	m <sup>2</sup>
Total Land	90,560	m <sup>2</sup>

Hall A for Crane manufacturing  
Hall B for Ware house, Service and support.



# FACTORY PHOTO REFERENCES



# INSTALLATION PHOTO REFERENCES



# MACHINES

CNC PLASMA CUTTING MACHINE	TECOI (EU)
PLASMA CUTTING MACHINE	LINCOLN (US)
MIG PULSE WELDING MACHINE	LINCOLN (US)
TELESCOPIC ELECTRO MAGNET	TECNO MAGNETE (EU)
AIRLESS PAINTING MACHINE	KREMLIN REXSON (EU)
GRIT BLASTING MACHINE	CLEMCO (US)
TORQUE CONTROL NUT RUNNER	PLARAD (EU)
HYDRAULIC SWING BEAM SHEAR	JORDI (EU)
HYDRAULIC PRESS BRAKE	JORDI (EU)
CHAINS VIP SERIES	RUD CHAINS (EU)
JIG FIXTURE FOR BOX GIRDER ASSEMBLY LENGTH 40 M.	GH (EU)
CRANE SETTING SUPPORT 3D PLANE LENGTH 40M	GH (EU)
UNIVERSAL SHEAR PUNCHING MACHINE	GEKA (EU)
WELDING CART	AIR LIQUIDE
PEDESTRIAN STACKER	mitsubishi
BEVELING MACHINE	AGP
BANDSAW CUTTING MACHINE	EVERISING



## “RELIABLE • PRECISE • ROBUST MACHINES”

Our machines were meticulously selected to ensure the highest manufacturing quality and fast delivery.



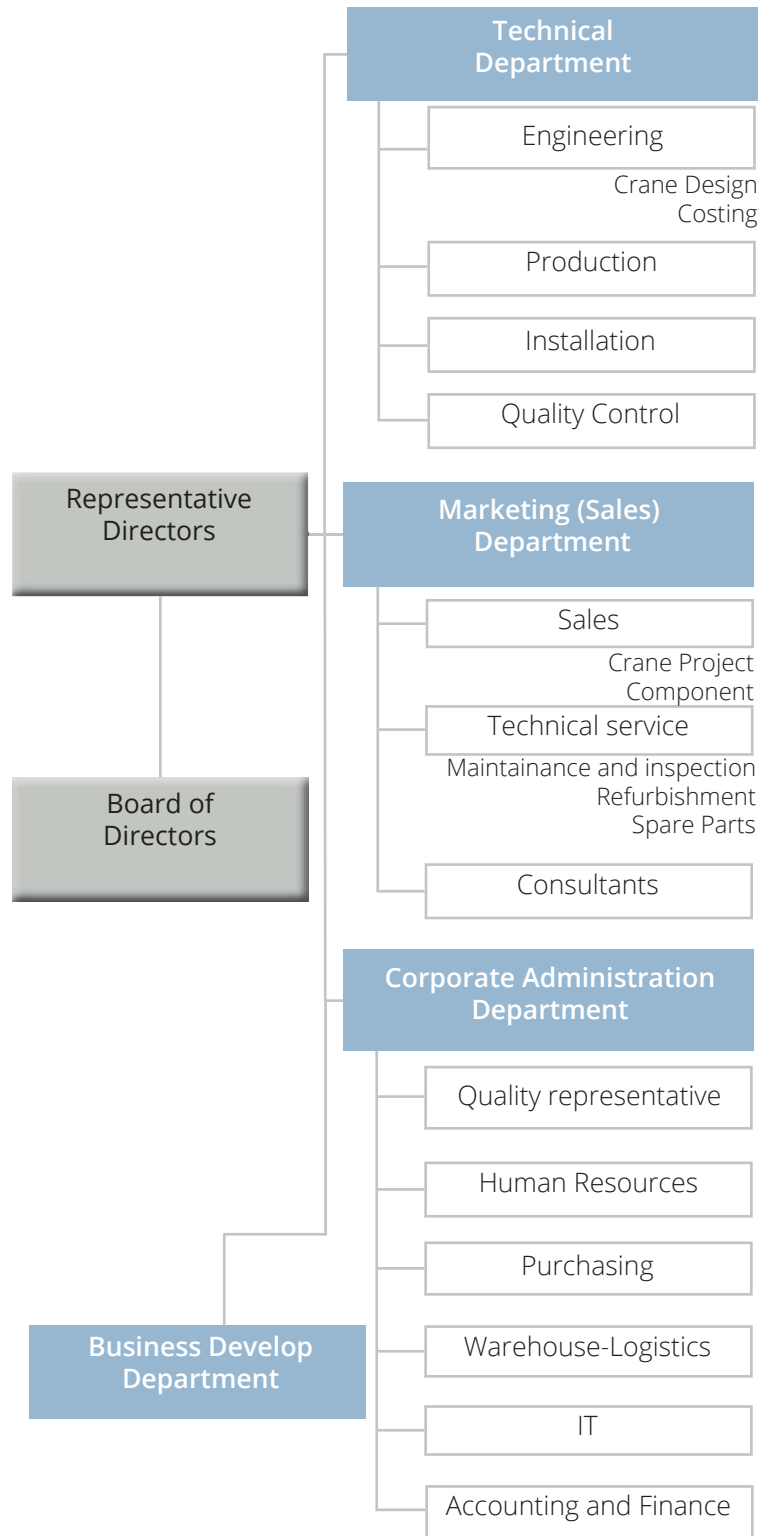


# PROFILE

Name	LGH Cranes Co., Ltd.
Area	Factory 10,150 m <sup>2</sup> Office 1,630 m <sup>2</sup> Total Land 90,560 m <sup>2</sup>
Employee	50 persons
Capacity	300 Cranes per years
Opening	29 April 2016
Address	137/4 Moo 8, Nongsak-Noenmok Rd., Nongrun, Banbueng Chonburi, Thailand 20220
Tel	+66 (0)-2327-9399
Fax	+66 (0)-2327-9312
GPS	N13°17'01.1 E101°15'00.0 (Degree° Minute´) N13.283645 E101.250002 (Decimal Number)
Email	info@lghcranes.com
Website	www.lghcranes.com



# ORGANIZATION



***Lifting Solutions***

**LGH**  
■ CRANES ■

**LGH CRANES CO., LTD.**

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