

# IMPERIAL HAPPENINGS

Authorized  
Dealer For:



Spring 2014

## How would you rate a general... who rushed into battle without a plan? A general who squandered blood, sweat and tears without a blueprint?



*The first step to address lift projects like this BP Refinery using Imperial's 600 ton Liebherr LTM-1500-8.1 starts before a crane ever arrives onsite. 3D Lift Plan technology gives our sales team and clients an accurate visualization of lifts; including ground clearances, capabilities, and safety margins.*

And yet, you fight a tough battle every day. You fight a battle against inflation and recession that erodes at your bottom line.

And through it all, you have to do your job. You are in charge of the project and attempting to keep the bottom line on the positive side you tend to compromise on the little things. Or at least, they seem little at first thought. Then as the project progresses it becomes one thing after the other and there went the bottom line and your reputation.

If you're feeling stress, pressure, tension, is it any wonder?

Are you "winging it"? Improvising? Hoping that hard work and luck will do the trick? No general, even using both fists, would fight without a plan. So why fight without a good plan for your project?

If you think the battle is tough today, tomorrow's battles will be rougher still. That is... without a plan.

You can have such a plan for your next project. Not some computer-generated, one-size-fits all scheme. But a personal plan designed for your project. Teaming up with Imperial Crane Services, Inc. on your next project is your answer. We are more than crane rentals and sales – we have many other services we offer that others do not. Take a look and see why choosing Imperial will be your best choice.

## Imperial Surpasses 6 Years without a lost time accident with an EMR of 0.56

**TALK  
SAFETY  
LIVE  
SAFETY**

Imperial Crane is nationally recognized as one of the safest crane companies in the world, specializing in industrial and petrochemical projects. Our latest EMR Rating is 0.56. We currently have 6 years and over 3.5 million man hours without a lost time accident. Imperial Crane carries an insurance coverage of 50 million dollars which is over 10 times the industry average.

*Celebrating 45 years*

More Than Four Decades of Safety, Service, Quality

### AutoCAD

- Used in critical lift planning and overall job planning
- Important in a large scale job, such as turnarounds, by showing our proper coverage and ability to support all the trades
- Able to provide contractors with printouts, confirming we are able to make the necessary lifts
- Instantly and accurately add in cranes to existing AutoCAD layouts, saving immense amount of time

### 3D Lift Plan

- Provides highly accurate 3D graphics allowing Imperial staff to prepare visual presentations for customers
- Ability to view lift plans from any angle

**CRANE**  
Liebherr LTM1400  
104' Main Boom (Guyed) at 64.9°  
Base: 100% Outriggers  
Counterweight: 275,500 lbs  
43.5' L/R Radius (360°)  
Crane Capacity at 43.5' = 238,000 lbs

**LOAD**  
Load Line = 1,800 lbs  
Block = 6,160 lbs  
Rigging = 6,000 lbs  
Load = 195,623 lbs  
TOTAL LOAD = 209,583 lbs  
88% of capacity

**CRANE**  
Grove GMK7550 w/ Mega Wing Lift  
115.9' Main Boom at 62.4°  
Base: 100% Outriggers  
Counterweight: 352,000 lbs  
50' L/R Radius (360°)  
Crane Capacity at 50' = 200,000 lbs

**LOAD**  
Load Line = 1,200 lbs  
Block = 5,000 lbs  
Rigging = 6,000 lbs  
Load = 142,141 lbs  
TOTAL LOAD = 154,391 lbs  
77% of capacity

Not issued for construction. For pre-planning only.

Title: Lift Plan
Project: Citgo Barge V-7
Customer:
Description:
Drawn By: Jeanette Ryglewski

Created with 3D LIR Plan      www.3Dlir.com

Above: Lift Plan created for Citgo barge project.

Right: Liebherr LTM 1400 500 ton rated capacity and Grove GMK7550 offers a 550 ton capacity.

Below: Lift Plan for Cook Nuclear project.

Below right: 55 ton Tadano GR-550XL at Cook Nuclear project.



- Display images of objects on jobsite
- Shows impact of work on jobsite area
- Performs simulation of lift while monitoring the crane's capacity

### Compu-Crane

- Automatically lists appropriate cranes and configurations
- Generates crane specs, load charts and site views
- Collision detection for boom, jib and tail swing
- Allows rotation of carrier to any relative load position
- Easy-to-use dimensioning to identify objects and obstructions
- Displays rear obstacles

### Additional Services

- City of Chicago Street Permits
- Street Permits for Suburbs
- Street Surveys
- Ground Penetrating Radar
- Traffic Control Services
- FAA Permits
- Google Earth Site Overviews
- Local Equipment Storage
- Trucking of your equipment to site
- GPS Fleet Management
- Four strategic locations for regional support and efficient response time
- Two full service, in-house, state-of-the-art parts and maintenance facilities
- Highly trained field technicians to provide minimized downtime
- Qualified estimators to provide optimal equipment with reduced cost
- Most advanced and up-to-date fleet in the industry providing the safest, most efficient equipment

RIGGING DETAIL	
1	HOOK BLOCK WEIGHT: 1,180 LBS CAPACITY: 50 TON
2	ROUNDSLING WEIGHT: 18 LB EACH LENGTH: 12 FEET QUANTITY: 2 CAPACITY: 21,000LB (VERTICAL) MAX. SLING ANGLE: 45 DEGREES
3	SHACKLE WEIGHT: 9.5 LBS EACH QUANTITY: 2 CAPACITY: 12 TON EACH
4	HAND CHAIN HOIST WEIGHT: 117 LB LENGTH: 30 FEET QUANTITY: 1 CAPACITY: 5 TON MAX. ANGLE: 45 DEGREE DYNAMIC TENSION: 2,500 LBS
5	MASTER LINK WEIGHT: 5 LBS EACH QUANTITY: 2 CAPACITY: 3,000 LBS EACH
6	SHACKLE WEIGHT: 2.5 LBS EACH QUANTITY: 2 CAPACITY: 4.75 LBS EACH
7	2" 1/2" LIFTING CHAIN, 9700 KPSW
TOTAL WEIGHT: 27.5 LBS CAPACITY: 6,600 LBS	
8	ROUNDSLING WEIGHT: 48 LB EACH LENGTH: 30 FEET QUANTITY: 2 CAPACITY: 10,560LB (SHOWN) MAX. SLING ANGLE: 45 DEGREE DYNAMIC TENSION: 2,500 LBS
9	SHACKLE WEIGHT: 5 LBS EACH QUANTITY: 2 CAPACITY: 8.5 TON EACH
TOTAL RIGGING WEIGHT: 1,800 LBS	
HOOK BALL: 190.00 LBS	
(2) ROUNDSLINGS: 96.00 LBS	
(2) 2" SHACKLES: 28.00 LBS	
(1) HAND CHAIN HOIST: 117.00 LBS	
(2) MASTER LINKS: 10.00 LBS	
(2) 4.75 T SHACKLES: 5.00 LBS	
(2) LIFTING COLLARS: 12.00 LBS	
(2) ROUNDSLINGS: 80.00 LBS	
(2) 6" T SHACKLES: 15.00 LBS	
(1) BUSHING: 7,700.00 LBS	
<b>TOTAL: 9,541 LBS</b>	

**CRANE DETAIL**  
MAKE/MODEL: TADANO GR-550XL  
RATED CAPACITY: 55 TON  
TELESCOPIC BOOM LENGTH: 113.9 FEET  
JIB EXTENSION LENGTH: 28.9 OR 50 FEET  
SINGLE LINE PULL: 15,400 LBS

**AS CONFIGURED FOR LIFT:**  
MAXIMUM RADII: 50 FEET  
RATED CAPACITY @ RADII: 14,500 LBS  
BOOM LENGTH: 113.9 FEET  
PARTS OF LINE: 1  
TOTAL LINE PULL: 62,400,200 LBS  
OUTRIGGER POSITION: 22' 11.5" @ 90° SPREAD TRAIL EST.

1 \* THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH THE INSTALLATION INSTRUCTIONS DETAILED IN SECTION 2 OF THE PRODUCT GUIDE.  
2 \* THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH ABE DRAWING NO. 2701560-037 DETAILED THE LOAD DIMENSIONS AND WEIGHT.

**LIFTING AND RIGGING DETAIL**

CUSTOMER: RICHARD J. BOHNE, JR.	LIFT ILLUSTRATIONS: TK BUSHING	LIFT PLAN TITLE: RICHARD J. BOHNE, JR.	DRAWING NUMBER: MCRS-001	DATE ISSUED: 5/29/2012	DATE REVISED:	NUMBER OF REVISIONS:
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RJB0HNE@IMPERIALCRANE.COM



## Crane Operator Skills Championship



Bruce Gay



Chris Marlow

Congratulations to Bruce Gay and Chris Marlow who competed in the MCM & CIC Crane Operator Skills Championship, held March 6-7, 2014 at ConExpo in Las Vegas, Nev.

Bruce Gay, was named First Runner Up and Chris Marlow, took the fourth position in this year's event.

## Imperial Crane Services has been awarded NWIBRT's Excellence Award - which is their highest award.



Northwest Indiana Business Roundtable (NWIBRT) provides a collaborative forum to Northwest Indiana business and industry to advance safety, quality, and value of construction and maintenance projects.



## New 75 Ton Tadano GR 750XL-2



For information call Jeff Bohne, President of Imperial Crane Sales at 708-267-9006 or email [jeffbohne@imperialcrane.com](mailto:jeffbohne@imperialcrane.com)



We are enriched in every way to be generous in every way. Become a part!



## Peoria Park District - Rock Island Greenway

Imperial assisted with an install for Clausen Structures in Peoria, IL late last week. Using a 300 ton LTM1250 and our 500 ton LTM1400, we lifted two bridge spans, one being 210' long at 140,000 lbs. and the second was 109' long at 130,000 lbs. over and then set right in between power lines.



Peoria Park District-Rock Island Greenway new bridge in Peoria, IL

Celebrating 45 years



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# Imperial Offers OSHA Qualified Signal Person Training

## ASME and OSHA Requirements

In 2004 ASME added signal person requirements to their B30.5 volume, requiring signal persons to; understand and utilize the standard hand signals provided by ASME, understand the required elements of voice signals, and have a basic understanding of crane operations and the limitations associated with signals. In July of 2010 OSHA released the proposed revisions to the 1926.1400 Crane and Derricks reflecting the same standards set by ASME.

## Why the Signal Person Training Course?

In order to maintain a high level of safety and productivity in lifting operations, it is necessary to keep employees up-to-date with the most current regulatory and consensus safety standards in the industry. The Imperial Crane Signal Person Training Course benefits employers by verifying their signal person's training and knowledge meets ASME and OSHA requirements.

The Signal Person Training Course prepares employees to successfully signal crane operators lifting operations. The ASME and OSHA standard hand signals are taught through state of the art animations and clear and concise demonstrations. We ensure our students receive the necessary information to become safe and productive signal persons.

## Class Details

- **Subjects** – Standard hand signals, review of requirements, crane functions and limitations, electrocution and power line safety, wind restrictions, personal suspended platforms.
- **Length** – 2.5 hours. Presentation followed by a multiple choice test.
- **Cost** – \$75/student. \$50/student after 10 students. 11th student starts \$50 fee.
- **Upon Completion** – Student receives wallet card and laminate hand-out as proof of completion through proper training.
- **Location** – Imperial Crane Safety Training Center, 9735 Industrial Dr., Bridgeview, IL 60455 or at your facility.

## Scheduling and Additional Information

Please contact Fred Hunssinger at 708-417-1703 or [fhunssinger@imperialcrane.com](mailto:fhunssinger@imperialcrane.com)

