LEEC MOORE
A Woolslayer Company

PRODUCTS & SERVICES

Onshore | Offshore | Masts | Derricks | Custom Drilling Equipment | Service

105 Years of Global Innovation and Commitment to Quality

Equipment manufactured by Lee C. Moore is on the job for virtually every major drilling company and is used throughout the world in every conceivable drilling condition, both onshore and offshore.

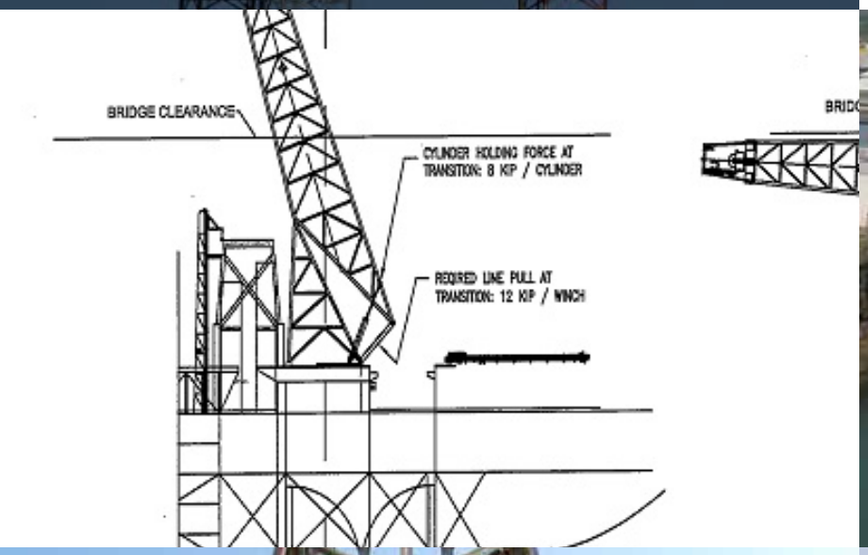
Lee C. Moore designs and manufactures products in accordance with quality requirements outlined in API Specifications 4F and 8C and has regularly met certification requirements of Lloyd's Register of Shipping, Det Norske Veritas, American Bureau of Shipping and other third parties as requested by customers. Lee C. Moore's API-approved Quality Assurance and Quality Control programs can be extended to include appointed subcontractors through on-site inspections and through implementation of testing and documentation under the API 4F certification program.

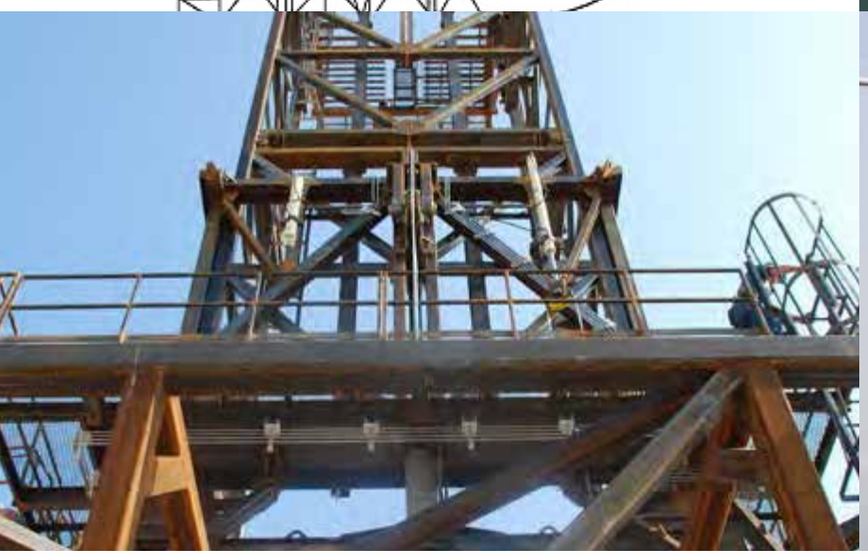
Lee C. Moore adheres to API quality control specifications and follows specifications as outlined by AISC, AWS, ANSI, and ASTM. The current API Certificates of Authority issued were based on successful QA performance documented by the API audit of WCI policies, procedures and specifications.

CATALOG CONTENTS

OFFSHORE DRILLING STRUCTURES

VISIT US ONLINE: LCM-WCI.COM





Bottleneck Derrick

Bottleneck derricks from Lee C. Moore feature a lightweight and efficient design for offshore drilling structures that can accommodate numerous accessories and offer more usable deck space than other derricks. They can be installed on a jack-up in a single lift to save time and money while delivering a static hook load capacity of 2.5 million pounds with 16 lines to the traveling block.

Features and benefits

- 170-foot x 40-foot square base x 18-foot square top
- Accommodates a wide variety of drilling equipment platforms
- Ample room inside derrick for top drive, traveling equipment and accessories
- Beam leg construction
- Dual Rail Skewed-type crown block
- Guide tracks for top drive/power swivel system
- Fourble safety and racking platforms
- Caged ladders
- Designed and manufactured in accordance with API 4F standards

Learn more

Quotes are available on request. Contact us and provide your requirements for maximum static hook load, height, width and accessory items.

Dual Offset Derrick™

Lee C. Moore's dual offset derrick™ is specifically designed for mobile jack-up platforms. Drilling depth, maximum hook load, setback and racking capacities can be customized to meet your needs.

Standard specifications include:

- Hook load capacity of 2.5 million pounds on 16 lines
- Setback load capacity of 1.5 million pounds
- Racking capacity of 646 stands of casing and drill pipe, customer to specify arrangement

An offset well center and setback arrangement positions the center of gravity for maximum drilling and setback loads near the center of the drill floor. This layout also provides equal load distribution to the cantilever support beams to maximize loading capacity.

Features and benefits

- Drawworks can be located on either port or starboard side
- Pipe Racking System Ready
- Enhanced safety with unobstructed driller's view of racking platform, jaws of iron roughneck, v-door ramp, floor winches and well center
- Secondary hoist system at racking platform avoids downtime by enabling manual racking if automatic system malfunctions
- Designed and manufactured in accordance with API 4F standards

Learn more

Quotes are available on request. Contact us and provide your requirements for overall height and width, maximum capacity, setback capacity and drill floor arrangement.

Dynamic Derrick

For offshore drilling, count on a well-designed and built-to-last dynamic derrick from Lee C. Moore. Our derricks resist the hull motion of semisubmersibles, drill ships and jack-ups under tow as well as other induced loads on offshore platforms.

Features and benefits

- Steel meets global certifying agencies' requirements for low-temperature service conditions
- Withstands roll loads with setback standing
- Accommodates all types of motion compensators, power swivels and pipe-racking systems
- Design efficiency enables use of additional equipment such as top drives and pipe-handling systems
- Maximum static hook load can be designed and manufactured to meet your needs
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and provide the type of hull, static hook load, preferred dimensions and additional equipment to be used on the derrick.

Hingeable Derrick

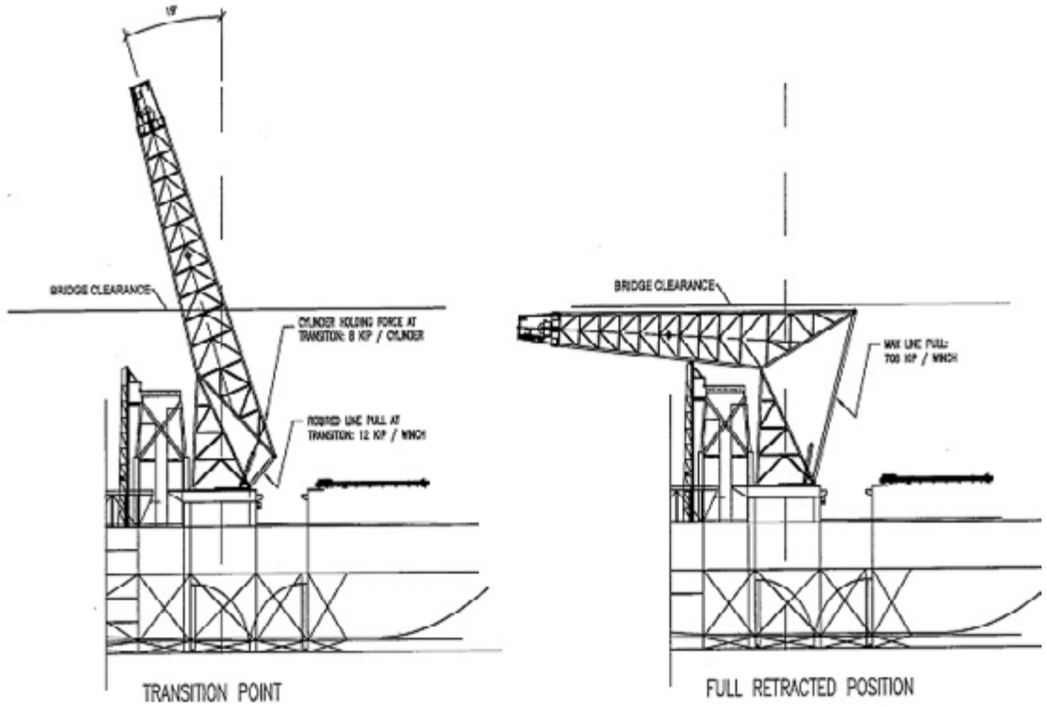
A hingeable derrick from Lee C. Moore is four sided and provides an extremely functional way to lower the derrick for passing under bridges reducing clearance height. This saves time and money compared with disassembling a derrick.

Features and benefits

- Hydraulic cylinders or winches to fold the derrick
- Accommodates a wide variety of drilling equipment
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and provide your requirements for hook load, additional drilling equipment to be installed and footprint.



Flatback Derrick

Lee C. Moore's flatback derricks for offshore drilling are designed to allow greater reach on jack-up cantilever beams, with three sides of the derrick vertical to about 105 feet and tapered to the water table beams. Our typical flatback derricks offer 1.5 million pounds of static hook load capacity with 14 lines to the traveling block, but they can be modified to meet your needs.

Features and benefits

- 160 feet tall, 32 x 35-foot base x 14-foot top
- Full-height caged ladder with landing platforms every six meters
- Open deck space for additional drilling equipment
- Dual rail guide tracks
- Beam leg construction
- Designed and manufactured in accordance with API 4F standards

Learn more

Quotes are available on request. Contact us and let us know the type of offshore platform and your preferences for static hook load, derrick dimensions and additional drilling equipment.

Dynamic Mast

Dynamic masts from Lee C. Moore are designed to withstand the harsh environmental conditions often encountered on floating semisubmersible drilling rigs. The masts can be lowered in the event of extreme weather conditions or when passing under bridges in transit.

Our beam leg dynamic mast stands 185 feet tall with a 40 x 50-foot base, a 7 x 14-foot top and can accommodate multiple drilling equipment packages. It offers a static hook load capacity of 1.3 million pounds with 14 lines strung to the traveling block per API 4F specifications, although the maximum static hook load can be modified to meet your needs.

Features and benefits

- Accommodates top drive system, drill string motion compensator, bridge crane-type off line stand building system, mast-mounted deadline anchor and skewed-type crown block
- 25-foot high windwalls at racking platform
- Lifting eyes at crown frame enable raising mast from horizontal to vertical in a single lift
- Designed and manufactured in accordance with API 4F standards
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and provide your preferred drilling equipment packages and hook load capacity.

Telescoping xS Mast®

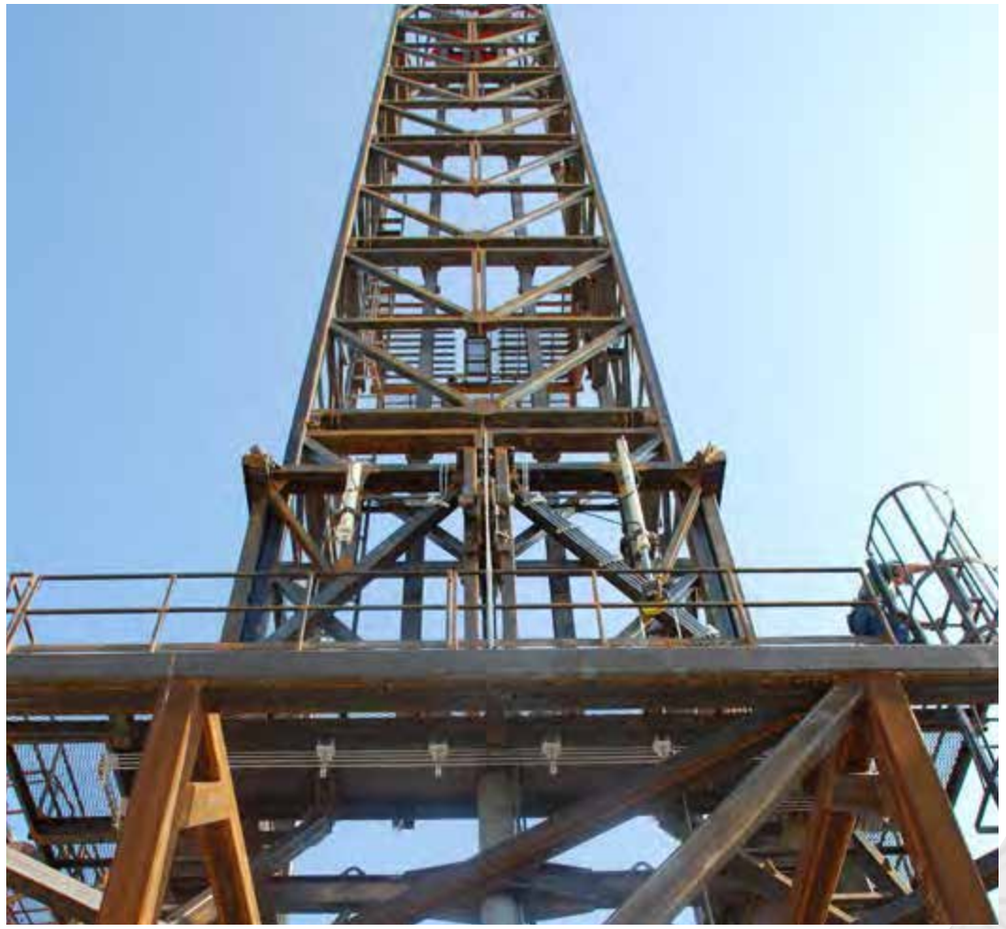
For both offshore and land drilling, a Telescoping xS Mast® from Lee C. Moore delivers quicker rigging while requiring fewer crew members to raise or lower the mast. Mast sections are inserted into the bottom section or superstructure and raised into the operational position with an innovative hydraulic jacking system.

Features and benefits

- Multi-functional, integrated scoping system
- Rig capacity of 750,000 to 1,500,000 pounds
- About five crew members needed to raise or lower mast
- Variety of packaged options and accessories
- Light weight, small footprint
- Wide base mast (30 feet) for a safer working area around the rotary table
- Unobstructed driller visibility to the crown
- Maximized drill floor area
- Industry-proven component design in accordance with API 4F specifications

Learn more

Quotes are available on request. Contact us and provide the type of application, static hook load and drilling accessories.



Folding Mast

On offshore platforms where deck space is typically limited, a folding mast from Lee C. Moore will provide an economical and efficient solution for conducting drilling and workover activities. Our folding derricks are designed for use on tender-assisted platforms configured for use with a standard derrick.

Features and benefits

- Height configurations of 142 feet or 160 feet available
- Interchangeable with 30-foot x 30-foot base standard derrick
- Mast can be lowered in case of storms or low-clearance bridges in transit
- Raised or lowered, the center of gravity remains near the well centerline
- Can be lifted as a single unit or in sections
- Easy to handle with a barge crane, transport and adapt to offshore platforms
- Accommodates drilling traveling equipment
- Designed and manufactured in accordance with API 4F standards

Learn more

Quotes are available on request. Contact us and provide the static hook load, overall height and the type of platform the mast will be installed on.

LAND DRILLING STRUCTURE PACKAGES

VISIT US ONLINE: LCM-WCI.COM

HMR SlotBox®Highly Mobile Rig® Package

The HMR SlotBox® land drilling structure from Lee C. Moore provides a mast and substructure system that offers pad drilling efficiencies, weather protection and ease of movement from one drilling site to another. These state-of-the-art, highly mobile rigs feature the mast lower section to remain secured inside the top substructure box during transport to reduce rig-up time.

HMR Highly Mobile Rig SlotBox® Mast

This three-section mast system for land drilling offers optimal safety and efficiency going from the horizontal to vertical position. It also simplifies transport, thanks to a bottom section that is integrally mounted in the substructure boxes and single-stage/double-acting hydraulic cylinders.

The mast provides a large footprint on the drill floor to maximize the safe working surface area. Standard static hook capacities range from 600,000 to 750,000 pounds, with capabilities up to 1.3 million pounds.

Features and benefits

- Easy transport with Lee C. Moore dollies
- Integral lifting eyes for handling with cranes
- Bracing to prevent misalignment
- Accommodates four foot-wide catwalk the full length of mast on the drawworks side to safely access lifting eyes
- Full view of drill floor from driller's cabin during operations
- Hydraulic cylinders remain pinned to mast during drilling/transport
- Reduced move and rig-up time
- Adjustable front shoe controls deflection and keeps drill pipe over well center
- Monogrammed per API specification 4F

See next page for HMR Highly Mobile Rig SlotBox® Substructure >

HMR SlotBox® Highly Mobile Rig® Package continued...

HMR Highly Mobile Rig SlotBox® Substructure

SlotBox® box-on-box substructures from Lee C. Moore can accommodate drawworks with more than 1,500 horsepower and are designed to facilitate fast rig moves with minimal disassembly and rig-up. They offer an integral walking system and are designed to operate in any condition, with features that include adjustable floor heights, internal staircases, access platforms and handrails.

For cold weather areas, winterization panels offer protection with either single- or dual-panel fabrications. The dual-panel design puts insulation between the panels to maximize efficiency.

Mast-raising cylinders are easily accessible within the top box, and alignment guides facilitate the quick stacking of sub-boxes. The substructure also provides an open view of the drill floor during drilling operations.

Features and benefits

- Bracing enables walking rig over well heads up to five feet high in both forward and side skidding operations.
- Enclosed sub-boxes for protection in sub-freezing temperatures
- Dog house/driller's cabin supports fold into sub-boxes, eliminating removal for rig moves
- Drill floor recess allows drawworks to be flush with working area
- Designed to work with Lee C. Moore BOP hoist
- Drill line spooler pins directly to substructure – no need for forklift during walking operations
- Designed to meet API specification 4F

Learn more

Quotes are available on request. Contact us and provide the overall height and width of the substructure, the size of the drawworks, maximum static hook load and operating pressure.

HMR I Highly Mobile Rig® Package

The HMR Highly Mobile Rig® I from Lee C. Moore is a hydraulically raised mast and substructure offering a 30-foot drill floor height, 147-foot mast and 1 million pounds of hook load capacity.

For fast rigging, both the mast and the substructure are quickly assembled close to the ground and each is raised using dual-purpose hydraulic cylinders. The cylinders are then moved away from the drilling module to maximize the working area around the substructure during operations.

Features and benefits

- Substructure accommodates 37 ½-inch rotary table, rotating mousehole and is walking-system ready. Transports in three sections
- Mast features casing capacity of 1 million pounds simultaneous with 750,000-pound setback capacity. Transports in two sections, with a patented hydraulic folding system on the bottom section to minimize road width
- Overall height and width of substructure can be designed to your needs
- Large and open drill floor plan
- Integral guide tracks to transport traveling equipment with the mast
- Interfaces with Lee C. Moore BOP hoists and BOP Triple Crown®; supports LCM Rig Rover®
- Substructure rises from V-Door side of well center
- Hinged dog house supports
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and let us know your requirements for overall width and height, casing capacity, walking and BOP handling systems.

HMR II Highly Mobile Rig® Package

Thanks to its unique bifold hinge-type truss beams, Lee C. Moore's HMR Highly Mobile Rig® II, Mast achieves a bottom-section fold width of just 12 feet. The mast moves in two sections using dollies, with the top drive secure in the mast bottom section and the traveling block in the top section.

On the job, this hydraulically raised drilling structure can achieve a maximum static hook capacity of more than 1 million pounds with 12 lines strung. Its hydraulic cylinders remain safely in the mast during drilling operations and are under compression for the entire raising cycle.

Features and benefits

- Integral lifting eyes built into each mast section
- Minimize "front yard" required space with the HMR II substructure raising from the drawworks side
- Wind capacity of 100 mph with full setback, 125 mph without setback
- Walking system ready
- Top-drive and traveling block remain in transport position during raising operations
- Substructure transport in 3 loads to maximize rig-up efficiency
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and let us know your requirements for hook load with the amount of lines strung, as well as the overall height, width and interfaced equipment.

HMR III Highly Mobile Rig® Package

Lee C. Moore's HMR Highly Mobile Rig® III facilitates fast rig moves with minimum disassembly and rig-up, with both the mast and substructure hydraulically raised.

For use on multi-well pad drilling sites, the mast is positioned transverse to the substructure in a "rotated" arrangement that eliminates assembling and raising the mast over the wellheads. In this configuration, the mast is raised from a "side" position, then substructure drill floor is raised from the Off-Drillers Side.

Features and benefits

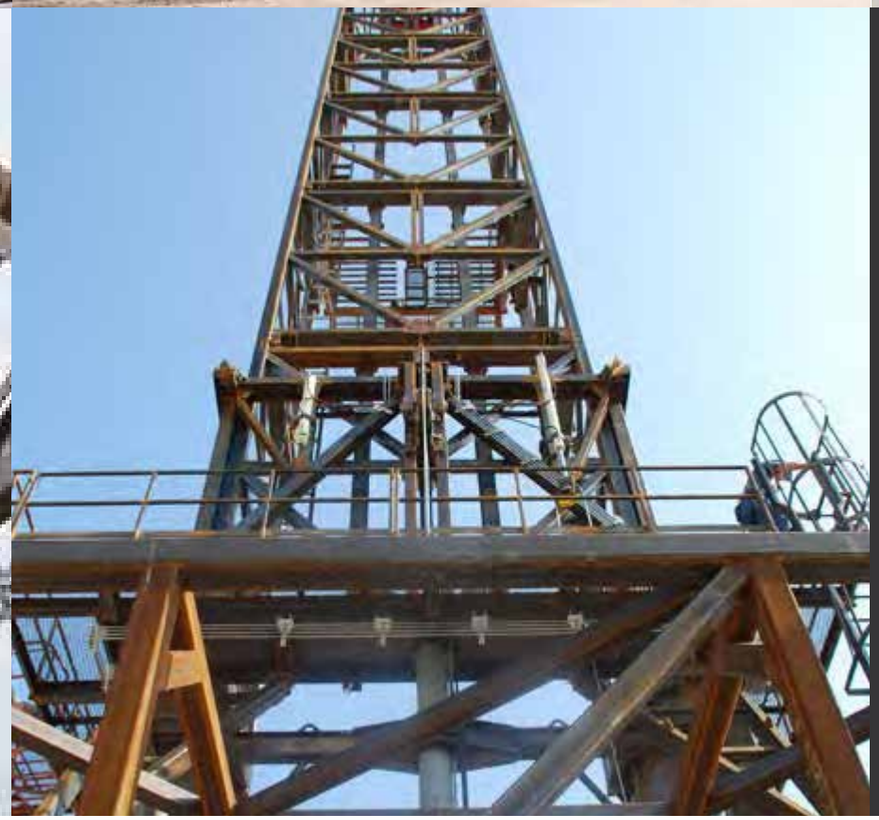
- Substructure accommodates 37 ½-inch rotary table, rotating mousehole and is walking-system ready.
- Mast features casing capacity of 1 million pounds simultaneous with 750,000-pound setback capacity
- Mast and substructure assembled with crane assist and moves in six primary sections
- Overall height and width of substructure can be designed to your needs
- Hydraulic cylinders remain in compression during entire raising cycle
- Large and open drill floor plan
- Integral guide tracks to transport traveling equipment with the mast
- Interfaces with Lee C. Moore BOP hoists and BOP Triple Crown®; supports LCM Rig Rover®
- Substructure rises from driller's side in a "side saddle" design
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and let us know your requirements for overall width and height, casing capacity, walking and BOP handling systems.

LAND DRILLING MASTS

VISIT US ONLINE: LCM-WCI.COM



Hi-Floor Mast

A Hi-Floor Mast from Lee C. Moore features a special cantilever that carries its own floor and provides clearance beneath the rotary beams for a variety of wellhead BOP configurations. This mast design also eliminates the box-on-box substructure, so you'll have fewer and lighter transportation loads.

Features and benefits

- Uses drawworks, wirelines and slingline equalizer unit to raise both the mast and substructure
- Static hook load can be designed and fabricated to meet your specific needs
- Various packages include 392,000 to 2,000,000-pound hook loads
- Proven, long-lasting design
- Integrates with BOP Hoist
- Can interface with vertical extension (pony sub) and Rig Rover®
- Built in accordance with API 4F specifications

Learn more

Quotes are available on request. Contact us and provide the required hook load, width and height, total stands of drill pipe and drilling accessories.

Conventional Cantilever Mast

Conventional cantilever masts from Lee C. Moore are built to last. The company introduced this style of mast more than 60 years ago, and many of them are still in service today.

Designed to be installed on a box-on-box substructure or elevated/raised substructures, our cantilever mast uses the drawworks, slingline equalizer unit and wirelines to be raised and lowered. We also keep records of all our equipment and offer services that ensure decades of peak performance.

Features and benefits

- Specify the hook load requirement that meets your needs
- Interfaces with tubing support frame, top drive and other drilling equipment
- Racking platform designed to meet required drill pipe arrangement
- Skewed-type crown block
- Proven design, light and efficient
- Built in accordance with API 4F specifications

Learn more

Quotes are available on request. Contact us and provide the maximum static hook load, preferred width and height, drilling accessories to be installed and preferred type of substructure for installation.

Side Saddle

With Lee C. Moore's Side Saddle, you'll be able to take advantage of faster rig moves with minimal disassembly and fewer rig-up steps. Both the mast and substructure are raised hydraulically.

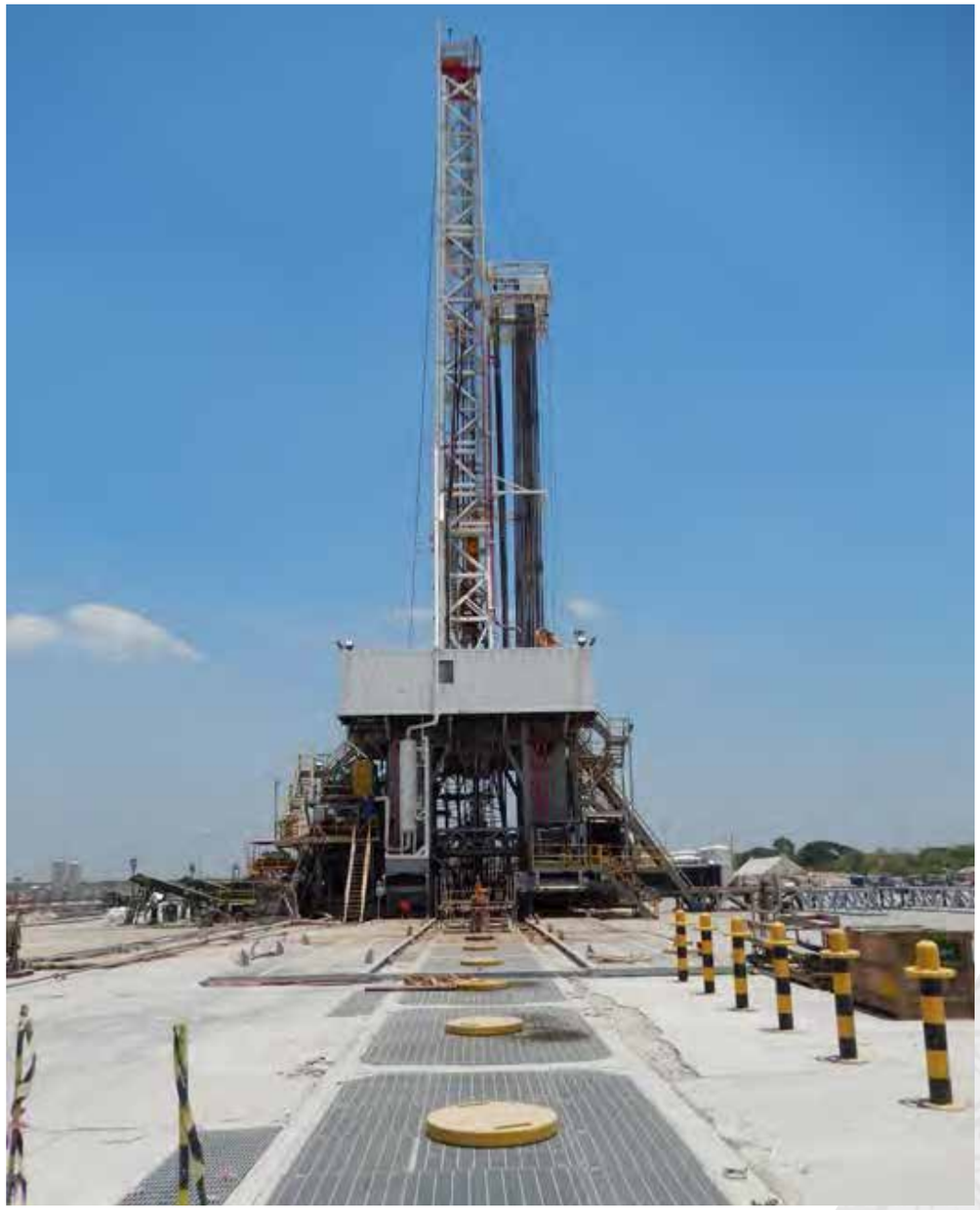
Side Saddle positions the mast transverse to the substructure for use on multi-well pad drilling sites. The rotated arrangement of the mast on the substructure eliminates assembling and raising the mast over wellheads. In this configuration, the drill floor and mast are raised from a side position, and the drawworks and doghouses also rise with the drill floor.

Features and benefits

- Accommodates 37 ½-inch rotary table, rotating mousehole and is walking-system ready.
- Hook load and casing capacity of 1 million pounds; 750,000-pound setback capacity
- Mast and substructure assembled with crane assist; each transports in three sections
- Overall height and width of substructure can be designed to your needs
- Hydraulic cylinders remain in compression during entire raising cycle
- Integral guide tracks allow traveling equipment to transport with the mast
- Large and open drill floor plan
- Raising cylinders are removed and stored away from drilling module during operations
- Interfaces with Lee C. Moore BOP hoists and BOP Triple Crown®; supports Rig Rover®
- Substructure rises from driller's side in a "side saddle" design
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and provide the overall width and height, casing capacity and walking and BOP handling systems.



Butterfly Mast™

With a butterfly mast system from Lee C. Moore, you'll have a drilling structure that quickly folds from drilling operations to allowable highway transport dimensions using hydraulic cylinders that minimize height and width. Reducing handling tasks prior to transport will save time and money. Further efficiencies can also be gained by using Lee C. Moore transport dollies.

Features and benefits

- Static hook loads vary to meet customer needs, with capacities that can exceed 1 million pounds
- Extremely versatile
- Enables transport through narrow passages
- Highway-transport ready when folded to closed position
- Monogrammed per API specification 4F
- Reduces rig move time by minimizing disassembly

Learn more

Quotes are available on request. Contact us and provide the required static hook load capacity, height and accessories.

Telescoping xS Mast®

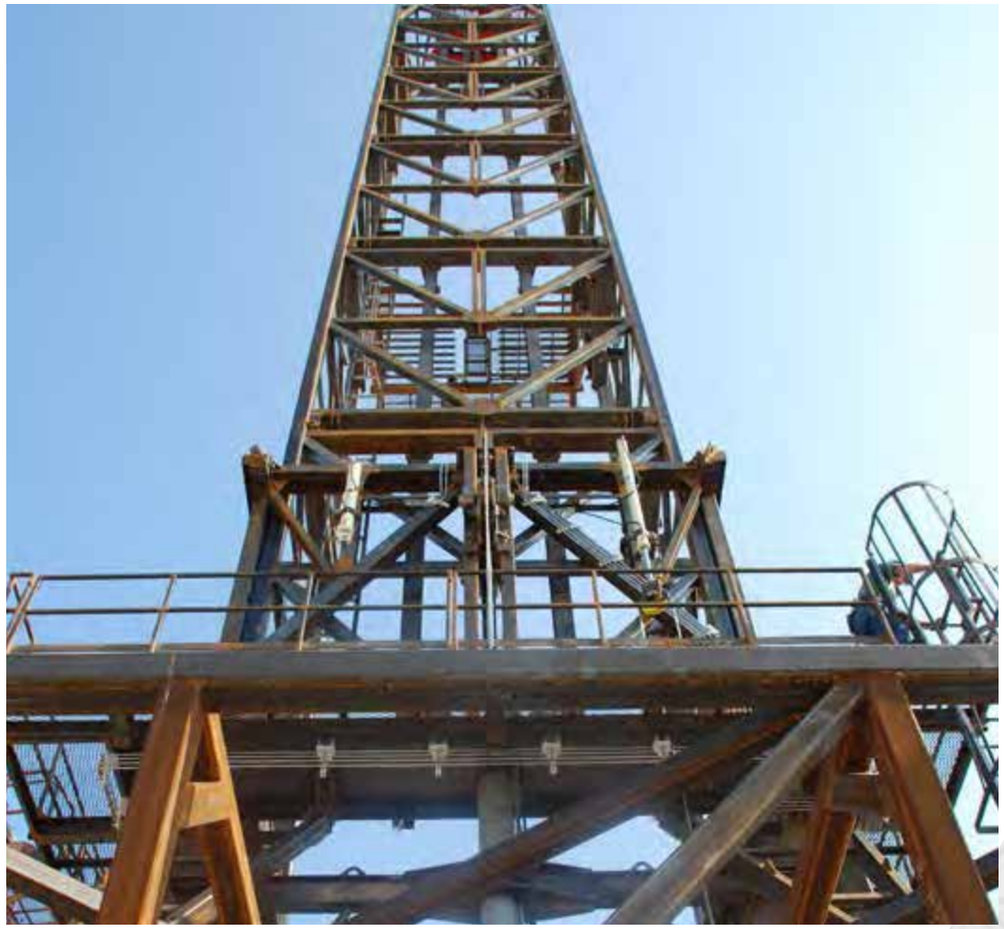
For both offshore and land drilling, a Telescoping xS Mast® from Lee C. Moore delivers quicker rigging while requiring fewer crew members to raise or lower the mast. Mast sections are inserted into the bottom section or superstructure and raised into the operational position with an innovative hydraulic jacking system.

Features and benefits

- Multi-functional, integrated scoping system
- Rig capacity of 750,000 to 1,500,000 pounds
- About five crew members needed to raise or lower mast
- Variety of packaged options and accessories
- Light weight, small footprint
- Wide base mast (30 feet) for a safer working area around the rotary table
- Unobstructed driller visibility to the crown
- Maximized drill floor area
- Integrated skidding system for multi-well capability
- Industry-proven component design in accordance with API 4F specifications

Learn more

Quotes are available on request. Contact us and provide the type of application, static hook load and drilling accessories.



LAND DRILLING SUBSTRUCTURES

VISIT US ONLINE: LCM-WCI.COM

Hydraulically Raised Substructure

The Hydraulically Raised Substructure requires minimal assembly for faster rig-up and rig-down. The substructure rises from the drawworks end to reduce the space required on the front side of the pad.

When it's time to move, the Hydraulically Raised Substructure transports in three packages with accessories installed. On the job, this walking system-ready substructure offers casing capacity of 1,000,000 pounds along with 750,000 pounds of setback capacity.

Features and benefits

- Accommodates 37 ½-inch rotary table
- Opening and supports for rotating mousehole
- Interfaces with Lee C. Moore BOP Hoists and BOP transport skids (BOP Triple Crown® or BOP Rock-N-Roll®)
- Supports Lee C. Moore Rig Rover®
- Height and width of substructure can be designed to meet customer needs
- Hydraulic cylinders remain in compression during entire raising cycle and out of harm's way during drilling operations
- Large drill floor
- Hinged dog house supports
- Air tugger pedestals
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and let us know your requirements for overall width and height, casing capacity and walking and BOP handling systems.

Modular Box-on-Box

Lee C. Moore continues to lead the industry in the design and fabrication of traditional box-on-box substructures for land drilling. Our modular substructure boxes stack easily with alignment guides and can be built to the specific height and width that meets your needs.

Features and benefits

- Easy rig up and rig down; no need to remove necessary drilling equipment in the sub area
- OSHA-approved internal staircases for safe and fast access to the BOP stack
- Integrates with Lee C. Moore Rig Rover®
- Recessed drawworks area eliminates trip hazards around drill floor
- Equipped with handrails, access platforms and external staircases
- Simple winterization
- Center skid installs without drive pins, using hook and dowel connections
- Built in accordance with API 4F specifications

Learn more

Quotes are available on request. Contact us and provide the total number of stands to be used and your requirements for width, height and windwalls.

Vertical Extension (Pony Subs)

When you need to add height to your existing substructure, count on support from a vertical extension (pony sub) by Lee C. Moore. Our extensions are designed to meet your specific requirements for height and width and will interface with any make and model of substructure.

Features and benefits

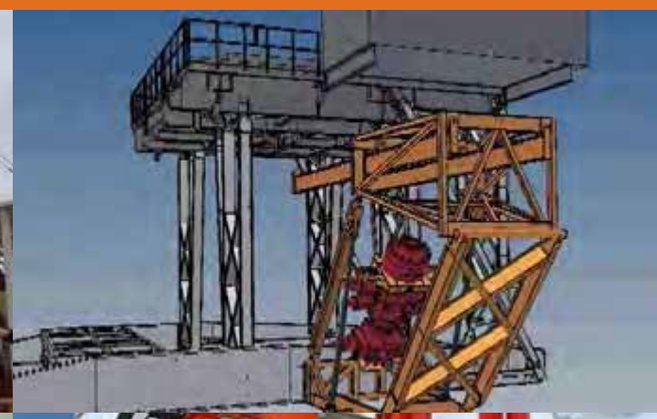
- Provides additional height for larger BOP stacks
- Alignment guides ensure exact fit with existing sub box
- Tow bars at both ends allow for easy transport
- Removable inner box cross beams allow easy installation of walking packages
- Tie-down links
- Sub-spreaders
- Monogrammed per API specification 4F

Learn more

Quotes are available on request. Contact us and let us know the make and model of your substructure as well as the overall width and height of the vertical extension.

DRILLING STRUCTURE COMPONENTS AND ACCESSORIES












Rig Rover® Pad Rig Moving Systems

Put an end to time-consuming and inefficient rig moves on the well site with a Rig Rover® walking system from Lee C. Moore. With lifting cylinders capable of raising an entire drilling structure 12 inches above the matting boards – a Rig Rover can move as much as 25 feet in less than 15 minutes.

For maximum mobility, hydraulic skidding cylinders can move the structure about the x-axis, y-axis and pivot about its own axis. Once it reaches the new well pad location, the Rig Rover's skidding pads can be used to level the drilling structure.

Features and benefits

- Eliminates the need to disassemble the drilling structure during pad drilling
- Individual control console or can be integrated into rig HPU
- Reduces expenses and potential damage to structures
- Directional pads can be turned manually or with hydraulic drive motors
- Interchangeable goosenecks make the LCM Rig Rover compatible with other drilling structures
- Can be mounted internally or externally of the sub-box
- Steering posts lock into position to ensure all four corners of the drilling structure are moving in the same direction
- Designed and manufactured to AISC specifications

Learn more

Quotes are available on request. Just contact us to get started.

BOP Handling Systems

Move the BOP stack with safety and confidence with a BOP hoist from Lee C. Moore. Double-acting hydraulic lifting cylinders raise the stack up to 20 feet and walk it over the well center. Each cylinder is fitted with an integral holding valve that prevents the BOP from dropping, even in the event of a hose failure.

Features and benefits

- Hydraulic cylinders remain in compression at all times
- Cylinders are proof-tested at 1.5 times their rated load capacity
- Lifting line has a minimum 4:1 safety factor based on the breaking strength of the wire rope
- Safe working loads of 20-160 tons to meet customer needs
- Enclosed console with directional control valve and pressure gauges for each cylinder
- Consists of hydraulic and manual type gear trolleys
- Quick-disconnect hoses
- Handling cradle
- Transport frame for easy handling with crane or forklift
- Attaches to sub with hook connection to eliminate drive pins

Learn more

Quotes are available on request. Contact us and provide the model of the substructure and the safe working load you require.

Triple Crown BOP xSPORT™

Lee C. Moore's BOP Triple Crown lets you raise, lower and transport the BOP stack with minimal hassle for reduced down time. There's also the added bonus of eliminating the need for an escort on the road. User-friendly hydraulic systems combine with adjustable supports and test stumps to accommodate a variety of BOP stack configurations, sizes and ram widths.

Features and benefits

- Operates without the use of a crane
- Lightweight and easy to move – weighs less than 12,000 pounds
- Tailboards on both ends of the skid
- Uses the existing Lee C. Moore cradle design to work seamlessly with our BOP hoist

Learn more

Quotes are available on request. Just contact us and provide your BOP stack configuration.

BOP rocknroll® Handling System

Make rig up and rig down faster and more economical with Lee C. Moore's BOP rocknroll® Handling System. BOP rocknroll transports the BOP stack in the horizontal position before raising it to its vertical working height and walking it from outside the substructure to its position at the well center.

Features and benefits

- Hoisting systems remains installed during transport to maximize rig-up efficiency
- Adapter plates accommodate a variety of BOP stack configurations
- Dual-purpose support base used for transport and testing BOP stack
- Capable of integrating with customer supplied hoisting equipment.
- Control console can be separate or integrated into the rig-up HPU

Learn more

Quotes are available on request. Contact us and provide the BOP stack configuration, tonnage and height.

Mast and Substructure Transportation Dollies

Transportation dollies from Lee C. Moore offer an efficient solution for transporting an assembled mast with top drive and traveling block installed with the crown fully strung up.

Pending on road regulations, dollies can be designed to transport the mast in sections or fully assembled. A fifth wheel connection is typically welded to the crown frame with the transportation dolly mounting to the mast bottom section to ensure safe and secure transport. This saves time and simplifies operations.

Features and benefits

- Self-tracking and steerable
- Eliminates the need for a crane to handle individual components
- Reduces potential for damage to rig components during moves
- Designed to operate in the harshest environments
- Includes tires, load dividers and goosenecks

Learn more

Quotes are available on request. Contact us and provide the mast model.

Adjustable Casing Stabbing Platforms

Because safety is your top priority, Adjustable Casing Stabbing Platforms from Lee C. Moore make running casing more accessible and visible to the drill floor. Adjustable from 23 to 50 feet above the drill floor, these platforms can be mounted to your specified location and offer multiple power and certification options.

Performance features

- Available with air or hydraulic power
- Cam rollers
- Heavy-duty dual track beams with tailboards on both ends and attachment brackets for pinned installation
- Universal mounting brackets
- Rubber dampener at the bottom of the track stop
- Hinge-up design for easy storage and transport

Safety features

- Primary and secondary brakes designed with an over speed locking device
- Fall arrest inertia reel with safety line suspended from the padeye at the top of the track
- Automatic spring-actuated power release

Our Adjustable Casing Stabbing Platforms are designed, fabricated and tested prior to shipment. They can also be ABS and DNV certified.

Learn more

Quotes are available on request. Just contact us and provide the elevation the casing stabbing platform will be mounted, along with the desired power source and certifications.

SideTracker® Top-Drive Parking System

Lee C. Moore's SideTracker® is an easy-to-operate system that enables offset storage of the top drive unit in the mast or derrick. The top drive is parked out of harm's way by using two sets of guide rails on the bottom section of the guide tracks. The two sets of guide tracks are designed to index laterally using hydraulic cylinders.

Features and benefits

- Compatible with all makes and models of masts and derricks
- Removes heavy traveling equipment from the drill line
- Enables easy access for maintenance
- Horizontal guide rails and supports
- Hydraulic actuators for indexing and locking rails in position
- Stainless steel piping
- Hydraulic control console

Learn more

Quotes are available on request. Contact us and provide the make and model of your mast or derrick and the size and model of the top drive.

SR250E – Automated Safety Racker

Lee C. Moore's SideTracker® is an easy-to-operate system that enables offset storage of the top drive unit in the mast or derrick. The top drive is parked out of harm's way by using two sets of guide rails on the bottom section of the guide tracks. The two sets of guide tracks are designed to index laterally using hydraulic cylinders.

Features and benefits

- Mechanically maneuvers pipe from the grasp of the top drive to its designated position in the racking board while tripping pipe
- Going into the hole, the pipe racker retrieves the stand from the racking board and passes it to the top drive elevators
- Designed for land, fixed-platform or jack-up drilling rigs
- Adapts to any size racking board with field installation
- Installed with the mast in the horizontal position
- Driller and floor crew have total control of the system
- Separate transport skid for easier rig-up and transportation

Learn more

Quotes are available on request. Contact us and let us know the sizes of your pipe and drill collars.

Windwalls Canvas & Steel

Protect your people and equipment from harsh environmental conditions with windwalls from Lee C. Moore. Our windwalls fit any make or model of drilling structure and will be designed and fabricated to meet your specific needs.

Features and benefits

- Canvas windwalls can be removed when conditions allow and attach to the structure with stationary clamps
- Steel windwalls are a permanent solution that stand up to the worst conditions and are welded to the structure
- Windwalls interface with all drilling structure components

Learn more

Quotes are available on request. Contact us and let us know the make and model of your drilling structure and whether you prefer canvas or steel.

Traveling Blocks

With up to 12 lines reeved on sheaves and tapered roller bearings, traveling blocks from Lee C. Moore enable easy up and down movements of the top drive within the drilling structure. While typical capacities range from 150 to 1,000 tons, we offer additional capacity to meet specific customer needs.

Features and benefits

- Installation adapter for safe and easy hook up to the top drive
- Anchor brackets to interface with dollies
- Straight Block or Split Type
- Designed and manufactured per API 8C specifications

Learn more

Quotes are available on request. Contact us and let us know the wireline size, type of traveling block, number of lines strung, tonnage capacity and if a dolly is required.

Crown Blocks

Lee C. Moore developed and patented skewed-type crown blocks that accommodate air hoist sheaves, coreline sheaves and other accessories on your drilling structures. These crown blocks present the flat side of the traveling block to the racking platform, making it easier for the derrickman to reach the elevators.

The fastline sheave is positioned independently of the sheave cluster, ensuring optimal drum fleet angle, proper spooling of the drill line on the drawworks drum and reduced line wear.

Features and benefits

- Sheave diameters of 24 to 80 inches
- Eliminates drill line interference with drilling accessories
- Deadline or fastline can be positioned inside or outside the derrick
- Various shaft diameters
- Tapered roller bearings
- Rolled steel plate and forged steel sheaves
- Manufactured to meet API 8C specification

Learn more

Quotes are available on request. Contact us and provide the number of sheaves, tonnage, layout, drilling accessories and wireline size.

Top Drive and Traveling Block Dollies

For any make and model of top drive, Lee C. Moore offers a top-drive guide dolly that connects to the guide tracks and uses machined rollers to make travel within the drilling structure easy.

The fastline sheave is positioned independently of the sheave cluster, ensuring optimal drum fleet angle, proper spooling of the drill line on the drawworks drum and reduced line wear.

Features and benefits

- Attaches quickly to the top drive using model-specific adapter plates
- Reduces downtime to remove top drive
- Designed to be parked in the mast during rig moves
- Adjustable in all directions to be over well center
- Machined high-yield rollers
- All hardware has secondary retention to prevent dropped objects

Learn more

Quotes are available on request. Contact us and provide the make and model of the top drive.

Deadline Anchors

Deadline anchors from Lee C. Moore offer industry-leading load capacities of up to 200,000 pounds and are designed and manufactured to API 8C specifications. A rotating drum is used to efficiently slip drill line by optimizing safety and reduce down time.

Features and benefits

- Accommodates customer-specific drill line OD
- Pedestal and leg-mounted configurations
- Interchangeable anchor bolt patterns

Learn more

Quotes are available on request. Contact us and let us know the wireline size, tonnage and whether you prefer a pedestal or leg-mounted configuration.

Internal/External Stairs and Walkways

Internal and external staircases from Lee C. Moore offer easy access to the drill floor, with external models offering either a solid platform or rollers at the base of the staircase. Internal staircases enable access throughout the sub boxes and are accessible from ground level.

Features and benefits - Internal staircases

- Access to drill floor with full visibility
- Access to multiple working platforms and walkways
- Handrails and heavy-duty struts
- Provides additional escape routes
- Reduces traffic on external staircases
- Designed and manufactured to OSHA specifications

Features and benefits - External staircases

- Vertical column raises and lowers with the substructure
- Large stable base or rollers
- Lifting lugs and fork lift pockets for easy mobility
- Heavy-duty strut steps
- Designed and manufactured to OSHA specifications

Learn more

Quotes are available on request. For external staircases, contact us and tell us the height of the drill floor and type of staircase required. For internal staircases, let us know the make and model of the substructure and the location of access points and walkways throughout the structure.

Protected Ladder Systems

Lee C. Moore's protected ladder systems enable safe and efficient access to drilling structures at multiple elevations. Our ladders can be equipped with an enclosed ladder cage ("backscratcher"), climber's assist device and a fall-arrest system.

Features and benefits

- Designed in accordance with OSHA regulations
- System can be interfaced with all drilling structure makes and models
- Safety rungs throughout
- Multiple safety features

Learn more

Quotes are available on request. Contact us and let us know the make, model and height of your drilling structure and its accessories.

Fastline Deflector Sheave Unit

Reduce wear on the fastline sheave with a fastline deflector sheave unit from Lee C. Moore. This unit is positioned in the derrick to correct the drawworks fleet angle and ensures the drill line runs in the center of the fastline sheave.

As an added bonus, the reduced wear and friction on the fastline sheave safely adds longevity to the cluster and drill line string.

Features and benefits

- Easily installed with support frame and connection brackets
- Doesn't interfere with other equipment within the drilling structure
- Uses two sheaves in deflecting the wireline
- DNV certification available
- Interfaces with all drilling structures

Learn more

Quotes are available on request. Contact us and let us know the derrick structure model, drill line size and DNV certification. If the derrick structure is not Lee C. Moore equipment, just let us know about the general arrangement of the structure.

REPLACEMENT PARTS

Count on Lee C. Moore to get OEM-supplied replacement parts for your drilling structures and components where and when you need them. All replacement parts are in accordance with API specifications, and certificates of compliance will be supplied when applicable.

Lee C. Moore keeps detailed drawings on any modifications done to the equipment and tracked by SN. If equipment changes ownership over its lifespan, replacement parts can also be supplied to the new owners.

Learn more
Quotes are available on request. Contact us and provide the make, model and location of the equipment needing replacement parts.

Among the many replacement parts we can deliver to you quickly are:

- Drive pins
- Bolts and nuts
- Sheaves, bearings, seals & races
- Hydraulic cylinders and components
- Wirelines of all sizes
- Structural members
- Handrails
- Working platforms
- Casing stabbing board brakes
- Climbing gear
- and many more

FIELD SERVICES

VISIT US ONLINE: LCM-WCI.COM

Recertification of All Drilling Structure Makes and Models

All makes and models of derricks, masts, substructures and blocks – and many types of accessories – can be recertified by Lee C. Moore and its industry-leading team of engineers. Recertification can be performed anywhere in the world to API RP 4G inspection criteria and will ensure your equipment is capable of operating safely at its maximum ratings.

The recertification process

- Initial Category IV inspection performed by a Lee C, Moore representative, who reports findings to our engineering department
- Engineers determine if the structure is a candidate for recertification
- Repair work begins with or without Lee C. Moore supervision
- Final Category IV inspection takes place
- Upon successful completion of the program, certificates and stainless steel recertification plates are issued to the customer.

Learn more

Quotes are available on request. Contact us and let us know the make and model of the equipment needing recertification and its location.

24/7 Availability

Certified, experienced technicians are ready to mobilize immediately to your rigs around the world and return your equipment to service. We service all makes and models of drilling structures.

Technician certifications

- Respirator fit test
- Basic Offshore Safety Induction and Emergency Training (BOSIET) 5700 (including HUET and EBS) OPITO approved
- Fall user/rescue
- Personnel transfer basket/swing rope
- Hydrogen sulfide awareness/respirator protection
- API RP 2D rigger safety
- IADC HSE Rig Pass (includes Safe Gulf and Safe Land USA)
- Transportation worker identification credential
- Passport/visa
- Immunizations

Learn more

Quotes are available on request. Just contact us and describe the equipment in need of repair, the type of onshore/offshore rig setup and the severity of the damage.

API RP 4G Category III & IV Inspections

Certified, experienced technicians are ready to mobilize immediately
It's no secret that masts and derricks support enormous loads when drilling and running casing. To make sure your equipment stays safe and in service, Lee C. Moore offers both API RP 4G Category III inspections and API RP 4G Category IV inspections and recertification.

Our engineers and technicians have extensive experience in both types of inspections and can provide these services anywhere in the world. When they're done, you can be assured that your equipment is in accordance with both manufacturer and API standards.

In an API RP 4G Category III inspection, you'll be advised of any members or components that are recommended for repairs or replacement. For Category IV inspections, our engineering department will review the work performed and verify that the equipment is in full operating condition in compliance with manufacturer and API standards.

Initial inspections can be performed in 2-3 working days and will determine the scope of the repairs needed and the timeframe to complete the work.

Learn more
Contact us to schedule an inspection.

Detailed Reports with Professional Engineering Certification

When you have work done, you want to know it's done correctly. With Lee C. Moore, every recertification is backed up by a formal report and documentation that shows the equipment referenced in the service report will function to the original equipment's safe working capacity.

Features and benefits

- Reports always provided to customer after work is completed
- Lee C. Moore engineers review and approve the report prior to sending to customer
- Customers can depend on more than 100 years of equipment experience and knowledge
- Records of all equipment serviced are stored and tracked by Lee C. Moore
- All documentation always available for customers

Learn more

Quotes are available on request. Contact us for more information.

Site-Managed Structural Repairs

Lee C. Moore offers a team of certified, experienced technicians and field engineers who can provide professional supervision for structural repair jobs. The service can be provided anywhere in the world to meet our engineering specifications as well as API 4F requirements.

Features and benefits

- Service performed at customer's preferred location or Lee C. Moore-approved vendor site
- Lee C. Moore service personnel available to serve as project manager
- More than 100 years of experience supervising structural repairs and recertification
- Repairs performed in accordance with Lee C. Moore-specified procedures and proper API documentation
- Immediate mobilization and unsurpassed quality

Learn more

Quotes are available on request. Contact us and let us know the type of equipment, the number of days to complete repairs and the role you want Lee C. Moore to have in providing the service.

Structure Modifications and Upgrades

Reinforcement Kits

Upgrade your drilling structure to increase hook or setback capacity with a reinforcement kit from Lee C. Moore. Our team of engineers will analyze the structure and issue drawings for reinforcement materials to be applied on critical load paths to achieve the new capacity.

Features and benefits

- Extend setbacks to accommodate more drill stands
- Increase hook load capacity
- Engineers able to work with any make or model
- Meets API specification 4F
- Lee C. Moore backs up the increased capacity

Mast/Derrick Extension

Lee C. Moore's mast/derrick extension mounts to the drilling structure to create additional height and clearance for the traveling block and top drive. Each extension is manufactured with high-strength steel and fabricated to each customer's specified height.

Features and benefits

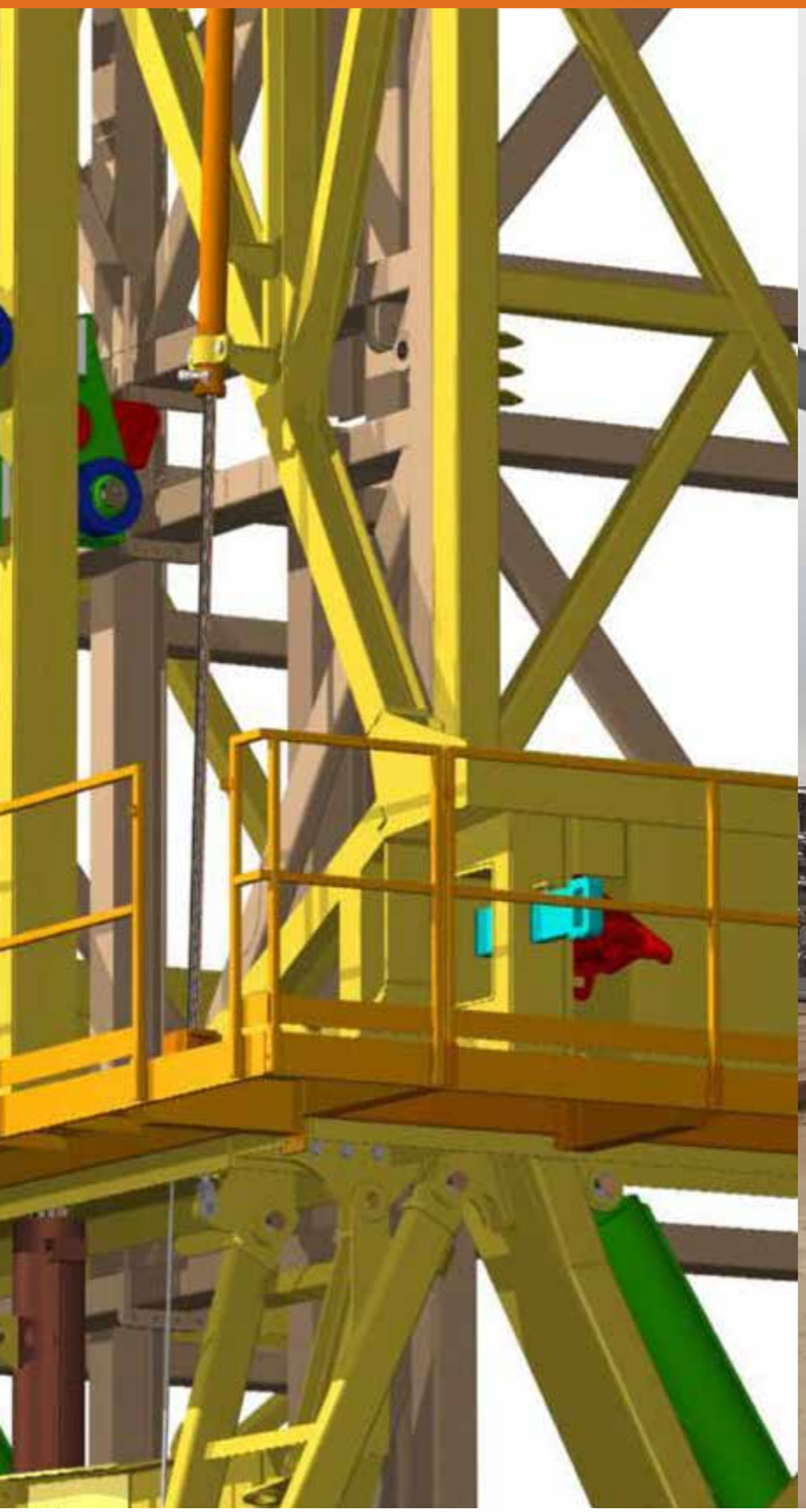
- Interfaces with any make or model drilling structure
- Multiple options for interfacing with existing structure with minimal reinforcement
- Does not interfere with moving components
- Maintains existing transition within the structure
- Designed and manufactured per API 4F specifications

Learn more

Quotes are available on request. Contact us and provide the make and model of your drilling structure and capacity requirements.

ENGINEERING SERVICES

VISIT US ONLINE: LCM-WCI.COM



Custom Design

Lee C. Moore knows that different companies use different drilling methods. To meet your specific needs, we offer custom engineering design services for specialized drilling equipment.

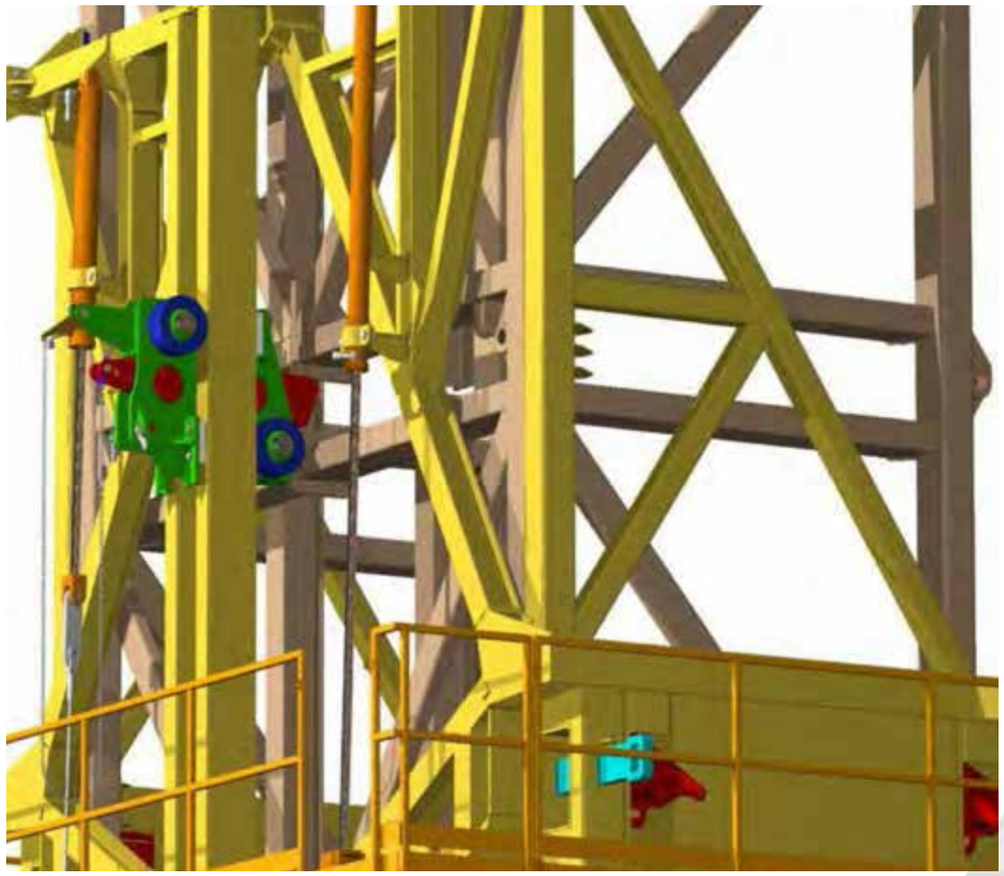
Whether starting with a base design in our engineering library or a blank page, we offer more than 100 years of engineering experience to deliver exactly what you want.

Features and benefits

- Customization included in the original equipment cost – no extra charges or extended delivery dates
- Large, in-house 3D modeling department
- New designs provided in 3D or CAD prints for easy interfacing with third-party equipment
- Design sharing throughout all phases of the project
- Flexible approach: Lee C. Moore's engineering team can take the lead or work jointly with your project group

Learn more

Quotes are available on request. Contact us and let us know what you need.



Studies and Analysis

Operate with confidence and get the most from your equipment with a detailed study and analysis of your drilling structures by Lee C. Moore's team of engineers. We offer more than 100 years of engineering experience and will stand behind every work load capacity assessment and provide assistance during each phase of the process.

Features and benefits

- Any make and model of drilling structure is eligible for analysis
- Analysis performed on-site
- Customers receive a complete assembly drawing packet
- Maximum static hook load determined by Lee C. Moore engineers
- Metallurgical test results
- Options to install drilling accessories to the structure

Learn more

Quotes are available on request. Contact us and provide the make and model of the drilling structure, location of equipment and a list of the documentation required.

Professional Engineers

"PE" Certified & Licensed

Put Lee C. Moore's team of certified professional engineers to work to help choose the products and designs that will work best to meet your needs. This is a service you can count on for the long term – our engineering department will stand by our equipment and provide full support for the lifetime of the product.

Why choose Lee C. Moore engineers:

- More than 85 years of combined oilfield engineering experience
- Documented knowledge of the company's engineering history
- Full range of proven designs
- Total commitment to customer satisfaction

Learn more

Contact us for more information about our engineering services.

Contact Us

KINGDOM OF SAUDI ARABIA

Andrii Kurylyshyn
Supervisor, Production &
Service Support – Middle East
f: +966-050-756-5239
e: akurylyshyn@lcm-wci.com

INDIA

Saurabh Jawa (New Delhi)
f: +91 729-008-0707
e: sjawa@lcm-wci.com

Ankit Dhyani (New Delhi)
f: +91990-403-7987
e: adhyani@lcm-wci.com

INTERNATIONAL

Casey E. Halford
Director, Sales &
Field Services | USA
f: +1-918-520-0786
e: int-sales@lcm-wci.com

USA

Randon Lingle
f: +1 405-435-8891
e: rlingle@lcm-wci.com

www.lcm-wci.com