



# RENEWABLE FUELS INDUSTRY

## ENGINEERING, CONSTRUCTION, AND PROCUREMENT SERVICES

- GRAIN HANDLING AND CONDITIONING SYSTEMS
- BOLTED STORAGE TANKS
- FIELD WELDED TANKS
- SHOP WELDED TANKS
- CONSTRUCTION AND INSTALLATION SERVICES



## THE EAGLE GROUP, LTD.

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# FIELD WELDED TANK ERECTIONS

Eagle's certified welders specialize in the erection of both stainless steel and carbon steel tanks. Eagle maintains high quality rigging and welding equipment that is up to date in technology.

Timely scheduling, fabrication and erection are a key advantage of The Eagle Group.



*Field Welded Tanks Installed Complete on Foundations*



*Field Welded Tanks Installation on Foundations by Eagle Install Crews*

- Stainless steel fermentation tanks
- Carbon steel ethanol and fuel oil storage tanks
- Storage tanks for a wide range of industries including ethanol, bio-diesel, petrochemicals, waste water, agricultural, chemicals, and mining.
- Eagle field erects fixed and floating roof storage tanks

*Shown at Right: Field Weld Tank Foundation being Installed.*



# SHOP WELDED STORAGE TANKS

Eagle specializes in the fabrication, shipment, and erection of all types of shop welded tanks, i.e. stainless steel, aluminum, carbon steel, and high alloy vessels.

Our facility is equipped with state of the art machinery designed to fabricate your shop fabricated tank to the highest quality standards. In the case that we are unable to fabricate your tank in our facility, we have a number of certified and bonded subcontractors that assist us in providing you with your tanks.

Timely scheduling, fabrication and erection are a key advantage of The Eagle Group. Our staff will ensure that we maintain a timely schedule at an economical price.

Tanks installed on weigh systems (load cells) are one of the many accessories that are routinely utilized.

Eagle's installation crews install tanks throughout the US, Canada, and Mexico.

Eagle also offers custom tank platforms.



## BIOFUEL TANKS FOR MULTIPLE APPLICATIONS

- Ethanol Tanks
- Fermentation Tanks
- Crude Oil Vessels
- Ester Tanks
- Glycerin Vessels
- Acid Tanks
- Caustic Tanks
- Methanol Tanks
- Hydration Tanks



**All Eagle storage tanks are manufactured to meet all governmental regulations and industry standards.**



# SMOOTH WALL BOLTED TANKS

## ***STANDARD DRY BULK BOLTED TANKS***

- Standard sizes from 9' (2.7 m) diameter to 47' (14 m) diameter with hopper bottoms.
- Standard sizes from 9' (2.7 m) diameter to over 200' (60 m) diameter without hoppers.
- Standard heights to more than 200' (60 m).
- Drive-thru skirts for truck and rail-car loadout.
- Industrial process design for extended service life.
- Smoothwall tank interior promotes flow and reduces contamination.
- Support styles include full-skirt, rail and truck drive-thru applications and short-skirt for placement on structural steel supports. Load cell applications can be easily accommodated.
- EPDM gasket material (FDA-approved), or Viton gasket for high temperature applications; HDG hardware, available with plastic-capped heads for FDA-applications.
- The Eagle Group, Ltd. has the ability to handle systems installation. A project manager oversees and instructs the complete project, ensuring a proper, timely installation and efficient operation.



## ***XL FLAT BOTTOM GRAIN STORAGE***

Bolted tanks are often used in the Biofuels industry. In addition to grain, the tanks can store coal, minerals, and various dry bulk chemicals.

## ***Installation Services***

Smooth Wall Bolted Tank being Installed by Eagle Install Crews.



## ***Hopper Bottom Silos on Structures***

Three silos on a common structure. The material is loaded into the silos via conveyors, then unloaded onto truck or rail for shipment.



# **CORRUGATED BOLTED BINS**

## ***COMMERCIAL GRAIN STORAGE, HANDLING AND CONDITIONING SYSTEMS***

- Models and choices from 15' diameter to 105' diameter.
- Capacities up to 700,000 bushels on flat bottom bins.
- Capacities up to 58,000 bushels on hopper bins.

Eagle will procure, ship, and install Brock Commercial Grain Bins throughout the US, Canada, and Mexico. Eagle is an Authorized Brock Industrial Dealer.

Installations include Brock's Tri-Corr floor design, Guardian high performance aeration fans, and Sweep-Master bin unloading systems.



# GRAIN SYSTEMS BY EAGLE

## *Solid Bin Anchoring*

FULL SWEEP™ Bin Anchoring System offers single-pass sweep capability in larger diameter bins.

Our bottom tier bin sidewall helps anchor the bin and prevent moisture penetration.



## *TRI-CORR® Floor Design*

- **Increases the overall strength and offers three times more support at the floor's crown** compared to previous aeration floor designs.
- Features a **unique, triangle-shaped center leg**, reinforcing the center of the floor plank to help give the floor extraordinary strength and rigidity.
- Provides a **flat floor plank** for easier bin sweeping and grain clean-up operations.
- Designed so the **plank and the floor support perform as a unit**, standing up to the stresses of repeated loading and unloading.
- **Handles normal operating loads** imposed by most stirring devices.
- **Floor planks nest together more tightly**, making the floor plank bundles more stable and easier to handle during shipping.

## *GUARDIAN AERATION SYSTEM*

Guardian® Series provides efficient, high performance fans form commercial and on-farm grain conditioning needs.

Totally enclosed, fan cooled (TEFC) motors are standard on high-speed (3450 rpm) and low-speed (1750 rpm) centrifugal fans.

Innovative design promotes better airflow and performance.



## *ECONOMICAL BIN SWEEP SYSTEM*

Brock's SWEEP-MASTER® Bin Unloading System offers users a rugged, commercial-quality bin sweep system with a simple design and an economical price. This grain unloading system offers a number of "must have" features, including many from Brock's well-known MODEL ABC™ Commercial Bin Sweep.



# INSTALLATIONS BY EAGLE'S EXPERIENCED CREWS

Eagle has over half a century's experience in bulk material handling solutions. Eagle knows how to design, fabricate, install and maintain our systems.

From the smallest of projects to an entire plant conveying and storage system, The Eagle Group has the capability to manage and implement your complete material handling needs.

The Eagle Group, Ltd. can design your system, supply all of the storage, transfer, conveying and monitoring equipment. Eagle offers installations of these systems by our in-house installation crew. This allows your company the ability to have only one contact to satisfy all of your bulk material handling needs, Eagle's breadth of services allows us to accept complete responsibility and insure your satisfaction.

The Eagle Group, Ltd. has the ability to handle system installation. A project manager oversees and instructs the complete project, ensuring a proper, timely installation and efficient operation.

Eagle is able to supply all necessary support for your system. We can design, supply, install, repair, and maintain your system. We supply parts and service on a variety of makes and models of equipment and accessories.

Eagle's ability to optimize your system comes from years of experience in the bulk material handling business. Eagle can optimize your system to save you energy costs, reduce man-hours, time spent on maintenance, simplify operations and provide a reliable system. Optimization involves ensuring that each piece of equipment in the system is working properly and each component is tuned to work efficiently with all parts of the system.



*Custom Fabricated Tank Structure being installed by Eagle Install Crews.*



*Smooth Wall Bolted Tank being Installed by Eagle Install Crews.*

## OUR EXTENSIVE SERVICES INCLUDE:

- SYSTEM Analysis
- Detailed Timely Proposals
- System Design
- In-House Application Engineering
- Fabrication of High Quality Equipment
- Professional Project Management
- Installations by our expert in-house crews
- Post-installation Customer Support & Training

## OUR WIDE RANGE OF PRODUCTS INCLUDE:

- Transfer Equipment
- Bulk Material Storing Equipment
- Custom Platforms & Mezzanines
- Railcar Loading & Unloading Equipment
- Truck Load Out Structures
- System Line Components
- Loaders & Unloaders
- Drying Equipment
- As well as our specially designed equipment that provides unique features which complement our material handling designs & your needs!

The proper initial design of your company's system will result in superior system operation. Eagle can offer a system design that will meet your company's present needs, as well as off flexibility for future expansions. We are skilled in a variety of system types and are experienced in selecting the proper system solution for your company's needs.

# TURN KEY ADVANTAGE



Recognizing the desire of many customers to purchase an integrated material handling system from one source, rather than purchase different pieces of equipment from multiple vendors and then try to make them work together, The Eagle Group offers **turnkey material handling systems** offering efficient and cost effective solutions for clients in the dry or wet, bulk material handling industries. Eagle has realized that sometimes lowest price isn't always the lowest cost, With the expertise we have in the material handling industry, we add the consultative value to the customer relationship. Not just selling you commodity hardware items, but

helping you find the right solution—that is truly cost effective.

Eagle has the **total capability** to provide customers with a **total solution**: design, engineering, fabrication, installation, and after installation customer support. Since Eagle provides complete turnkey solutions, we are able to act as a single source contractor and take **total responsibility** for the success of the material handling system and the project. The Eagle Group, Ltd. Has a proven record of creative and innovative ideas that provide the most efficient and economical solutions to customer-specific requirements.

Projects may involve storage vessels/tanks/hoppers, loading and unloading bulk containers, mechanical and pneumatic conveying, process controls and communications to PLC's or other factory systems as well as auxiliary items such as valves, sensors, dust collection, system components, and metal detection.



Our material handling systems are based on working closely with our clients and applying our skills and expertise to their individual requirements. As a result, every one of our system designs are unique —designed to meet a client's specific objectives in the most efficient and economical way, Our expertise also enables us to deliver an operational system in a short time frame for those customers that require "speed to market".

The success of our projects is due in large part to the way we handle our Project Management & System Design. The way we handle these items is what sets us apart from our competition.

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