

SMART
CRANES



Future Of Material Handling





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PREFACE

Smart Cranes LLC, is a subsidiary of Winchy Holding and a premier provider of material handling solutions. We are specialized in the manufacturing and customization of overhead cranes, Jib cranes, gantry cranes, and Automated and special crane applications. We have our presence in UAE, Kuwait & Egypt to handle all projects in MENA region.

Our team of experts in engineering and manufacturing, offer a wide range of solutions to meet the unique needs of your business. Whether you need a standard crane or a specialized application, our team will work with you to design and manufacture the perfect solution. We pride ourselves on utilizing the latest technology and materials to ensure that our cranes are built to last, efficient and reliable.

One of our specialties is the design and manufacture of Wireless Radio remote controllers, with increased safety and flexibility in crane operation. We offer Magnet Cranes, which are ideal for handling steel and iron products, also we offer Underhook attachments which can be customized to meet specific lifting requirements.

In addition to manufacturing new cranes, we also offer overhauling and refurbishment solutions to upgrade older cranes. This includes the integration of state-of-the-art variable frequency drives (VFD) and programmable logic controllers (PLC) to improve performance and efficiency.

We also specialize in Tandem applications and explosion-proof equipment, ranging from lifting accessories to explosion-proof cranes, as per IECEx/ATEX standards. This means that we can provide equipment that is suitable for use in hazardous environments, ensuring the safety of your employees and equipment.

At Smart Cranes LLC, we are passionate about providing the best material handling solutions for our customers. With our expertise, quality products, and commitment to customer service, we are confident that we can help you to achieve your goals. Contact us today to learn more about how we can help your business.



Vision

At Smart Cranes LLC, we are driven by a passion for innovation and excellence. Our vision is to revolutionize the material handling industry by providing unparalleled customized solutions for businesses worldwide.

We strive to exceed customer expectations through our commitment to quality, safety, and excellence in engineering and manufacturing. Our team of experts provides customized solutions that meet the unique needs of each business, making sure that we are not just meeting but exceeding their expectations.

We believe in the power of continuous improvement and are dedicated to staying at the forefront of industry developments, continuously updating and upgrading our products and services to meet the evolving needs of our customers.



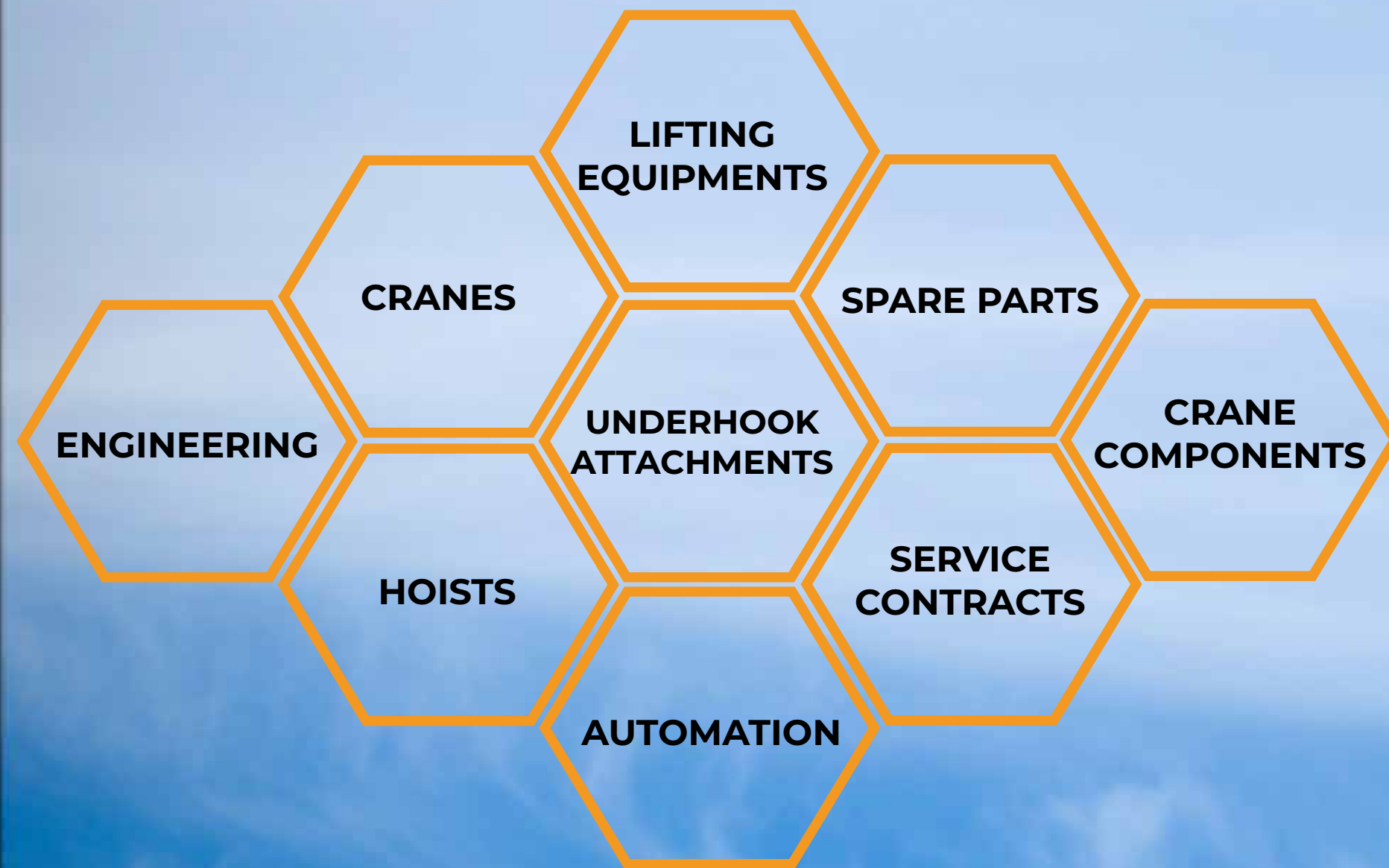
MISSION & VISION

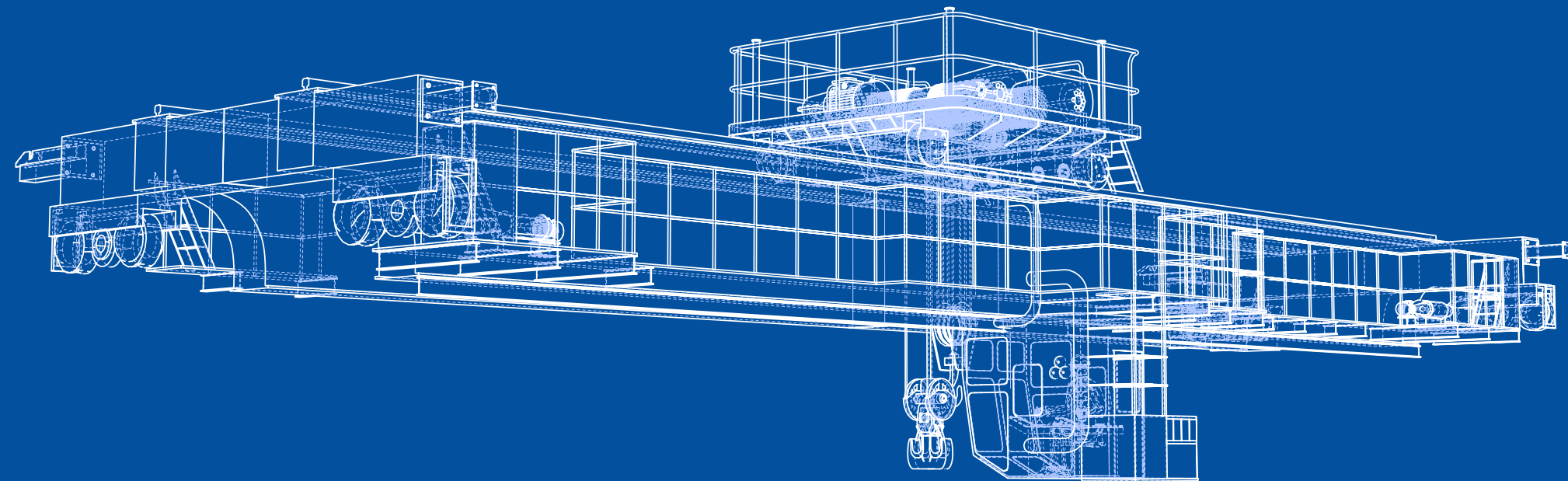
Mission

At Smart Cranes LLC, our mission is to empower businesses worldwide with customized, cutting-edge material handling solutions that increase efficiency, reliability, and safety. We are dedicated to delivering the highest quality cranes and equipment, utilizing the latest technology and materials to ensure maximum efficiency and reliability. We strive to provide unparalleled customer service, working closely with our clients to design and manufacture solutions that meet their unique needs and exceed their expectations.

Our team of experts is dedicated to continuous improvement and staying at the forefront of industry developments. We are committed to upgrading and updating our products and services to keep pace with the evolving needs of our clients.

We take pride in our commitment to safety and prioritize it above all else. We are dedicated to providing equipment that is safe to operate and meets the highest standards of quality and reliability.





Crane Engineering

Are you in need of a customized crane solution that is tailored to the specific needs of your business? Look no further than Smart Cranes LLC. Our team of expert engineers specialize in providing top-of-the-line design engineering services for all types of cranes including overhead, Jib, gantry and automated cranes.

Our design engineering services include detailed analysis and calculations to ensure the crane will perform efficiently and safely in your specific operating environment. We take into consideration all relevant load factors, including weight, speed, and environmental conditions to ensure that your crane will operate at its optimal performance level.

With our state-of-the-art technology and materials, we can provide you with a crane that is not only functional but also durable and reliable. Our team of engineers will work closely with you to design and manufacture a crane that meets your specific requirements and exceeds your expectations.

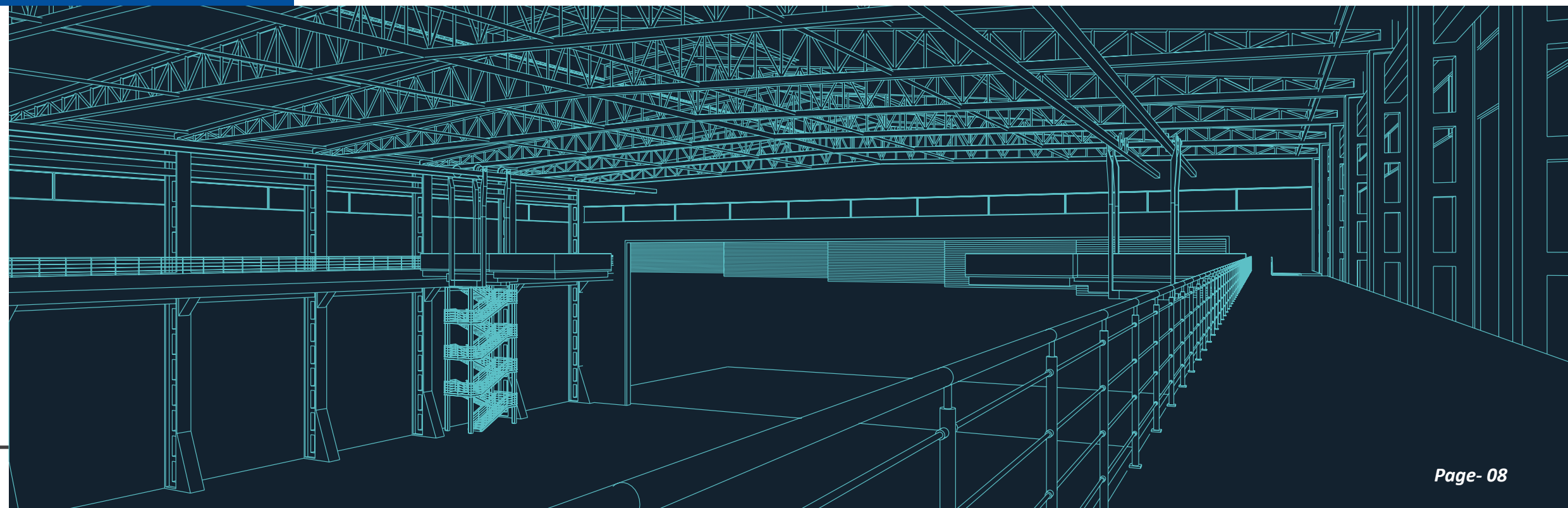
ENGINEERING

Crane Steel Structure

Smart Cranes LLC, is your premier provider of top-quality crane steel structures. Our team of expert engineers specializes in designing and manufacturing steel structures that are built to last and perform efficiently. We understand that every business has unique needs and requirements when it comes to their crane steel structures, that's why we offer customized solutions to meet those needs.

Our steel structures are designed using the latest technology and materials to ensure maximum efficiency and reliability. We take into consideration all relevant load factors such as weight, speed, and environmental conditions when designing our steel structures. This ensures that your crane will operate at its optimal performance level.

At Smart Cranes LLC, safety is a top priority. Our steel structures are designed to meet or exceed industry safety standards to ensure the safety of your employees and equipment.





UNDERHOOK

Underhook Attachments

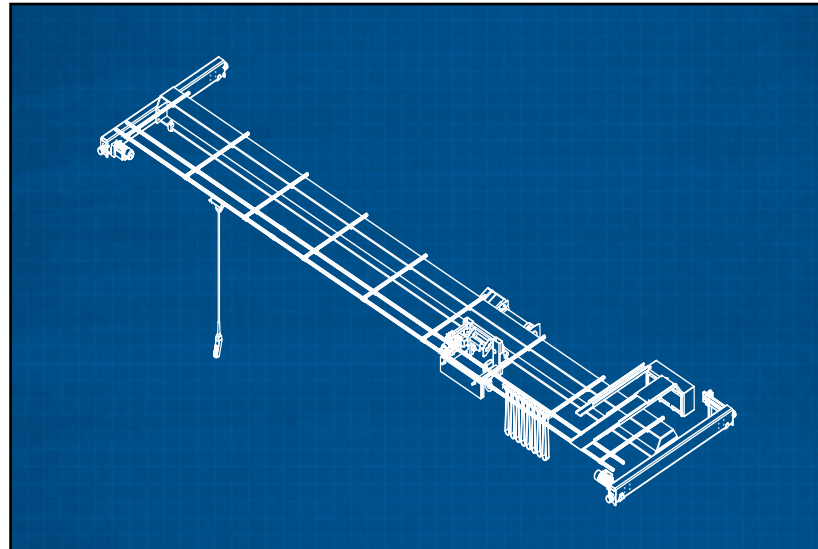
Lifting beams and lifting forks are also customizable to meet the specific needs of your business. They are designed for easy and safe handling of heavy and bulky loads, and are suitable for use in various industries such as construction, manufacturing, and logistics.

Lifting lugs and coil lifting hooks (C-Hooks)

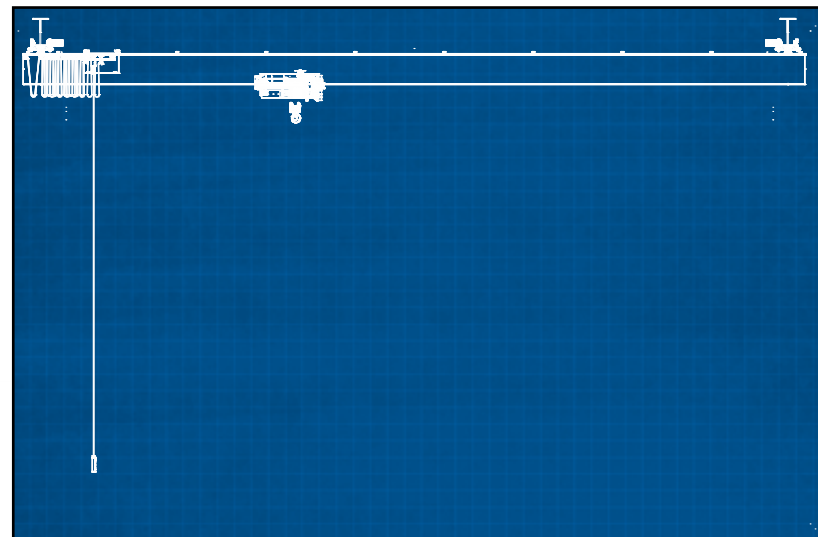
are designed for the safe and efficient handling of coils, rolls, and other round loads. They are customizable to meet the specific needs of your business, and can be equipped with safety devices such as load indicators, limiting switches, and anti-collision systems. we are dedicated to providing our customers

with the highest quality crane underhook attachments. With our expertise, quality products, and commitment to customer service, we are confident that we can help you to achieve your goals. Contact us today to learn more about how we can help your business.

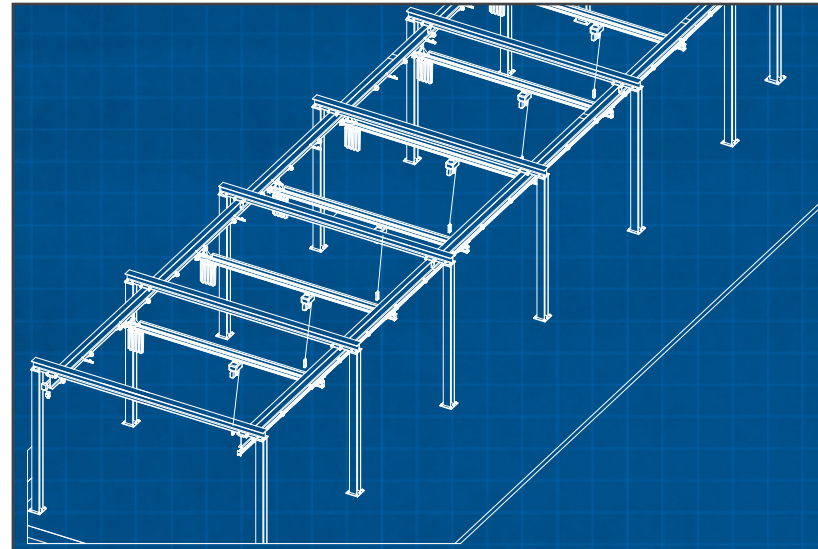




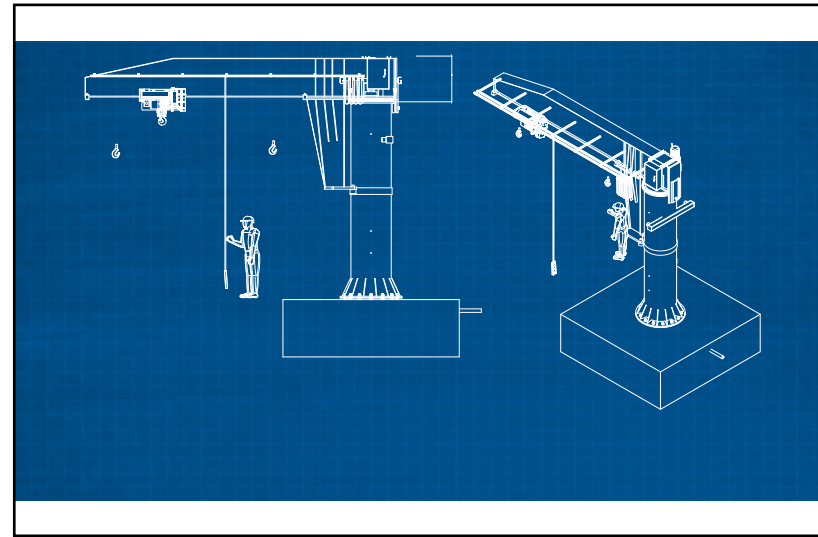
Single Girder Overhead Top Running Crane



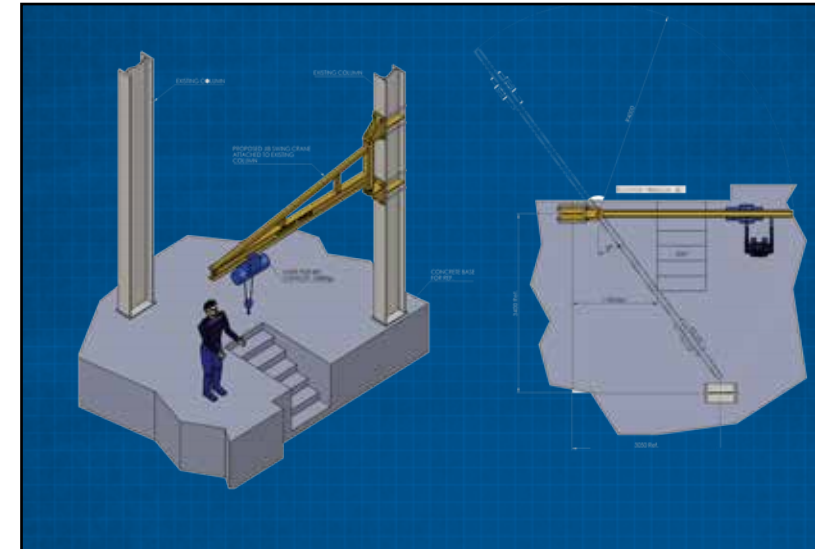
Single Girder Overhead Suspension Crane



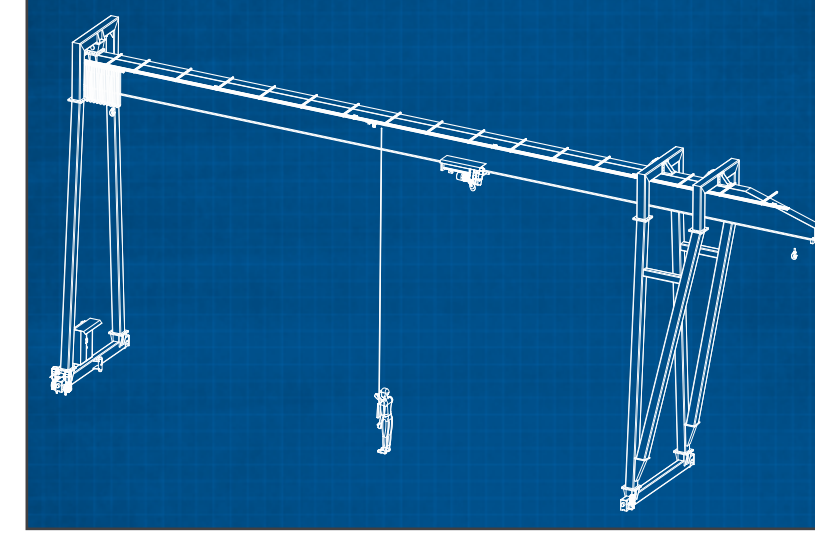
Single Girder Light Crane



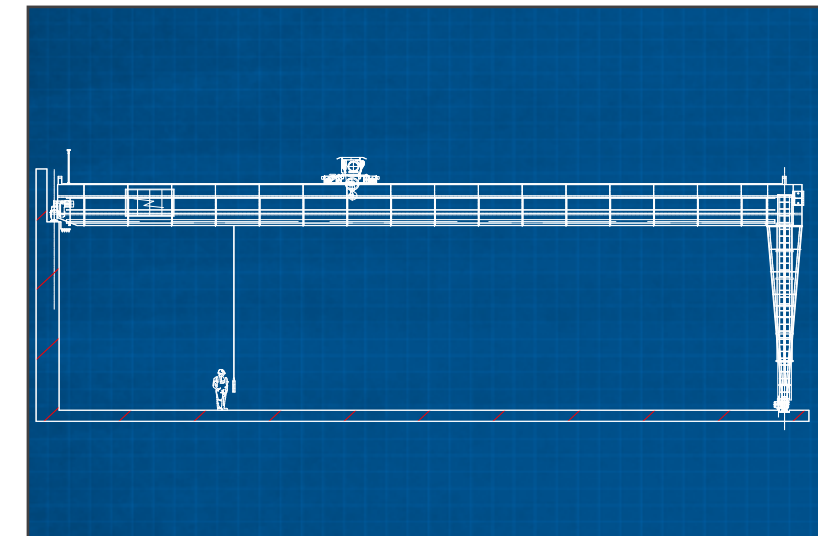
Single Girder Jib Crane - Floor Mounted



Single Girder Jib Crane - Wall Mounted

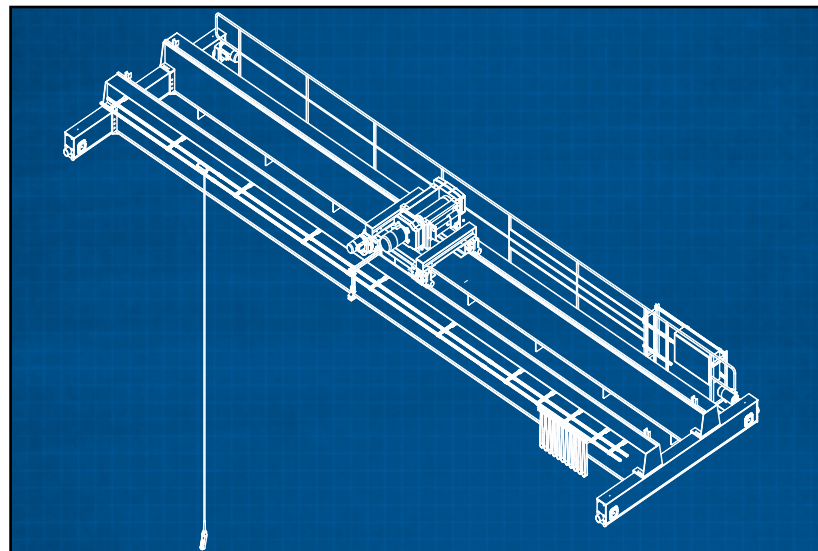


Single Girder Gantry Crane

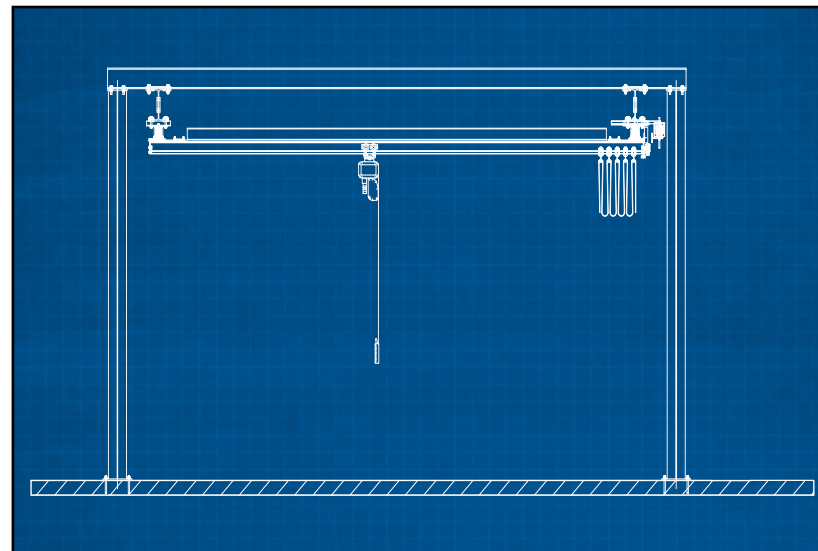


Single Girder Semi Gantry Crane

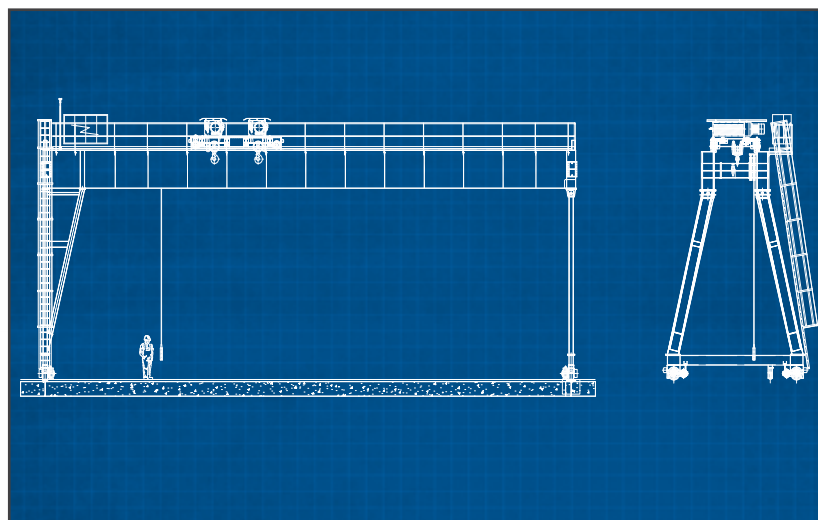
Single Girder Cranes



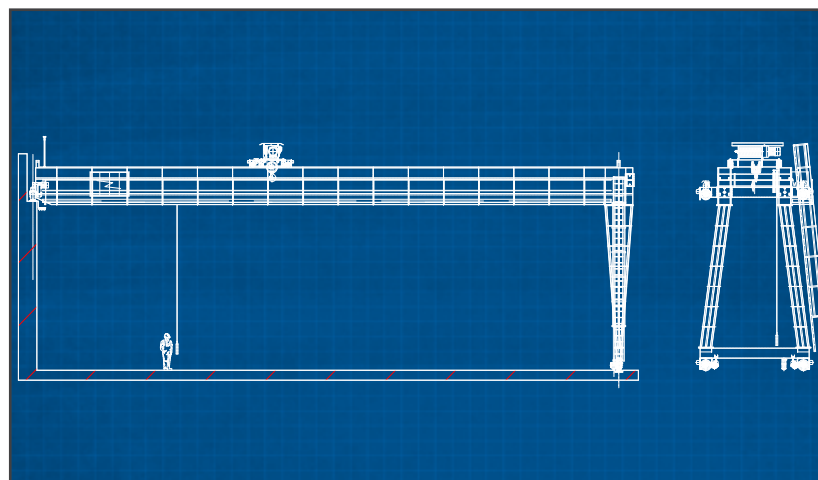
Double Girder Overhead Top Running Crane



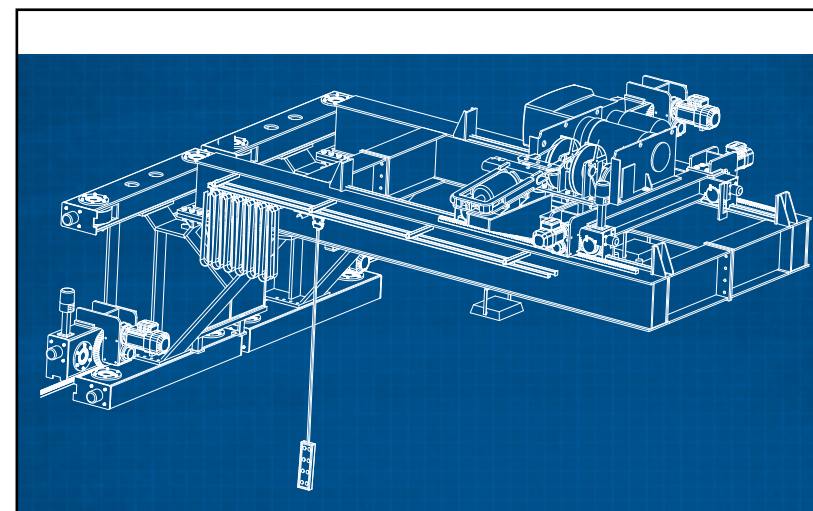
Double Girder Light Crane



Double Girder Gantry Crane



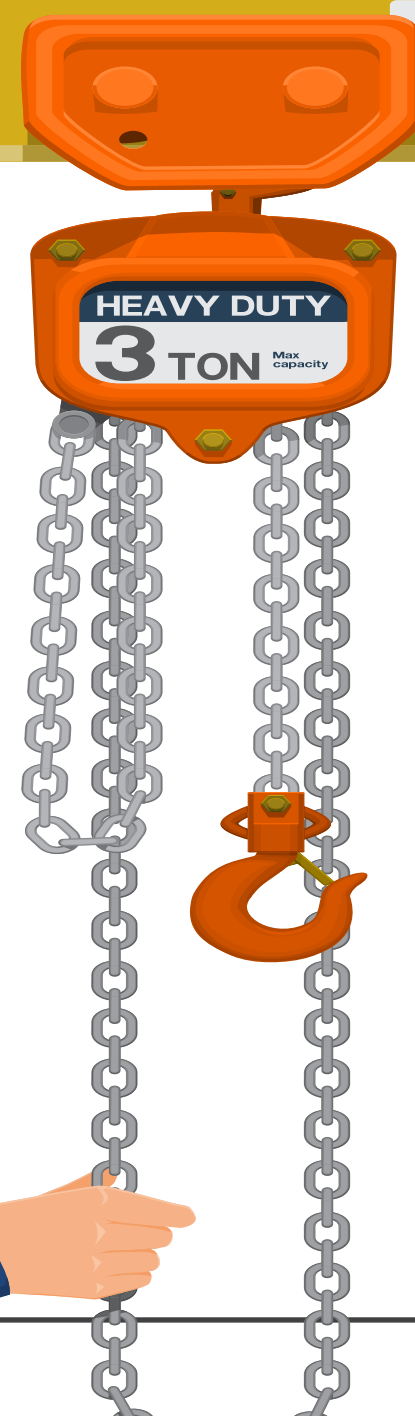
Double Girder Semi Gantry Crane



Double Girder Jib Crane - Wall Mounted

Double Girder Cranes

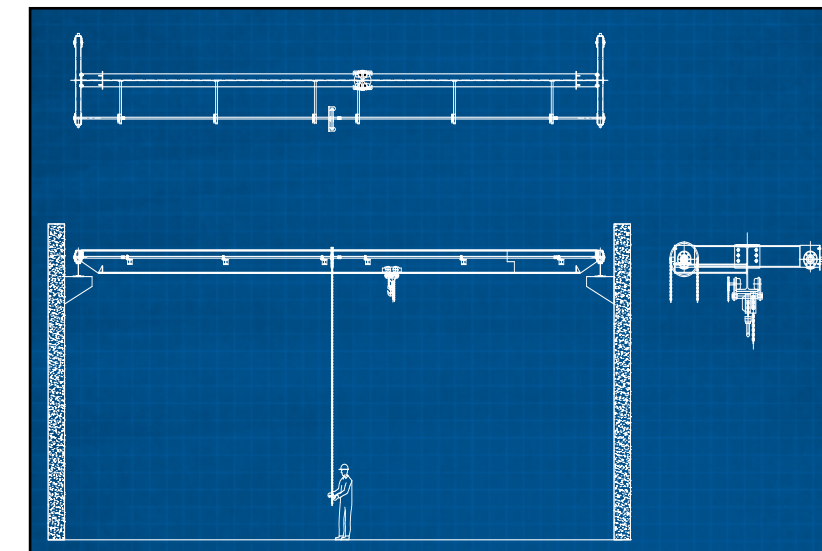
- Double Girder Overhead Top Running Crane
- Double Girder Overhead Suspension Crane
- Double Girder Light Crane
- Double Girder Jib Crane - Floor Mounted
- Double Girder Jib Crane - Wall Mounted
- Double Girder Gantry Crane
- Double Girder Semi Gantry Crane



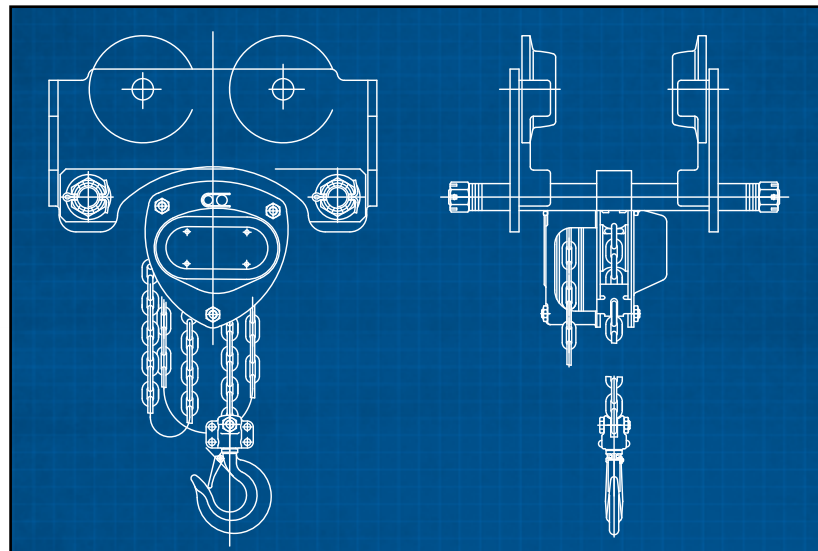
SAFETY + FIRST

- Manual Overhead Top Running Crane
- Manual Overhead Suspension Crane
- Manual Portable Gantry Crane

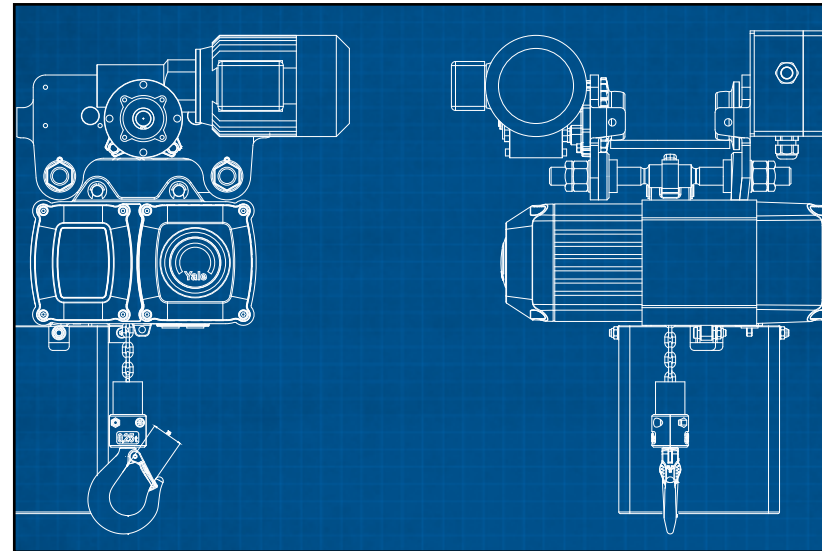
Manual Cranes



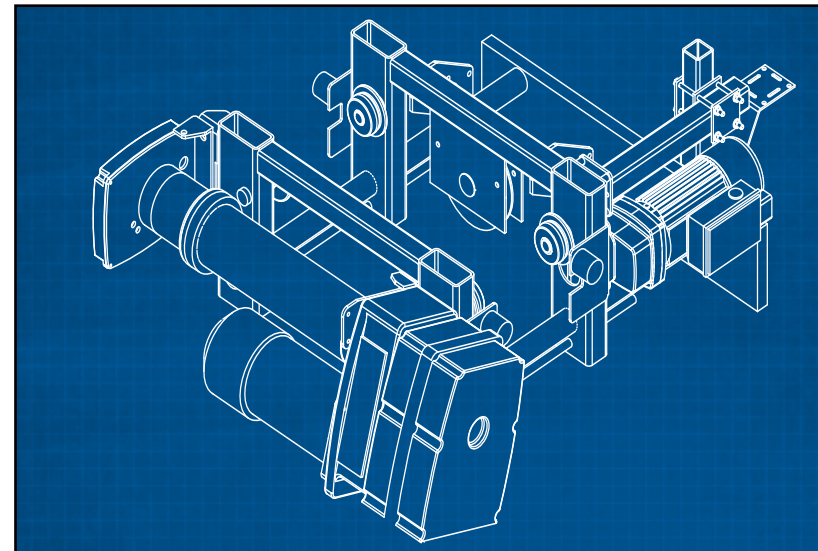
Manual Overhead Top Runing Crane



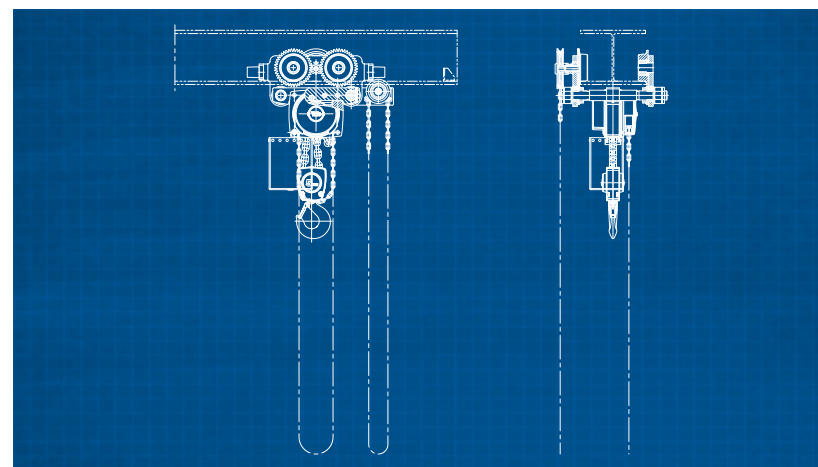
Manual Chain Hoist with Manual Pushed Trolley



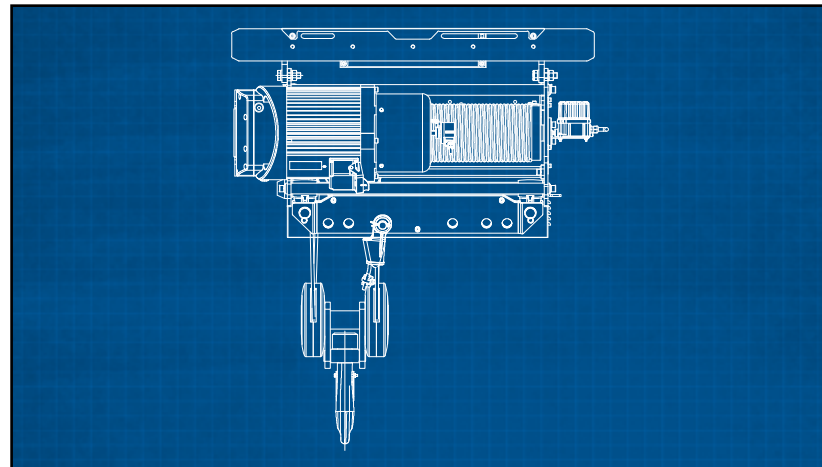
Electric Chain Hoist with Electric Trolley



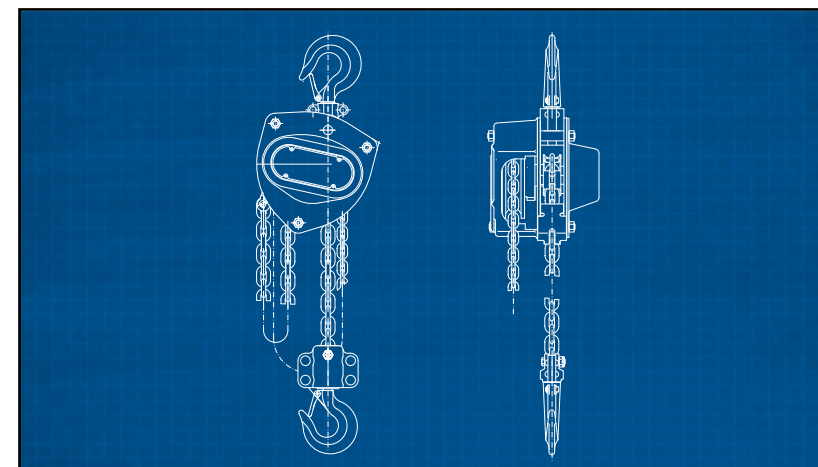
Electric Wire Hoist with Electric Monorail Trolley



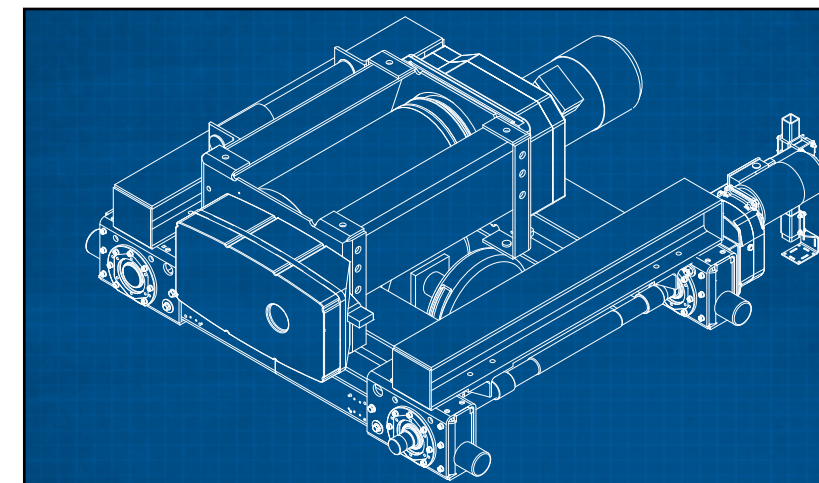
Manual Chain Hoist with Manual Geared Trolley



Fixed Electric Wire Hoist



Fixed Manual Chain Hoist



Electric Wire Hoist with Electric Double Rail Crab Trolley

Hoists



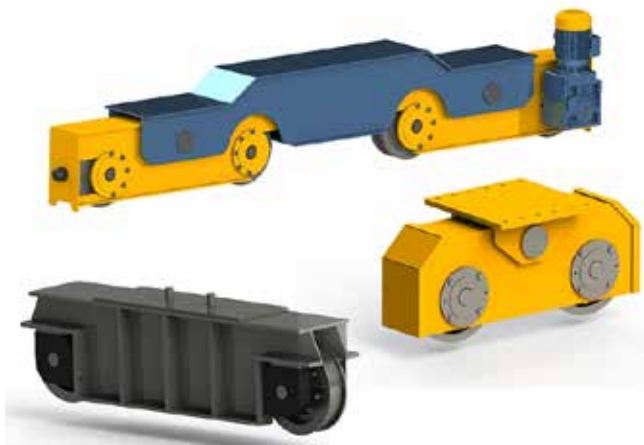
Hoist



Steel Girder



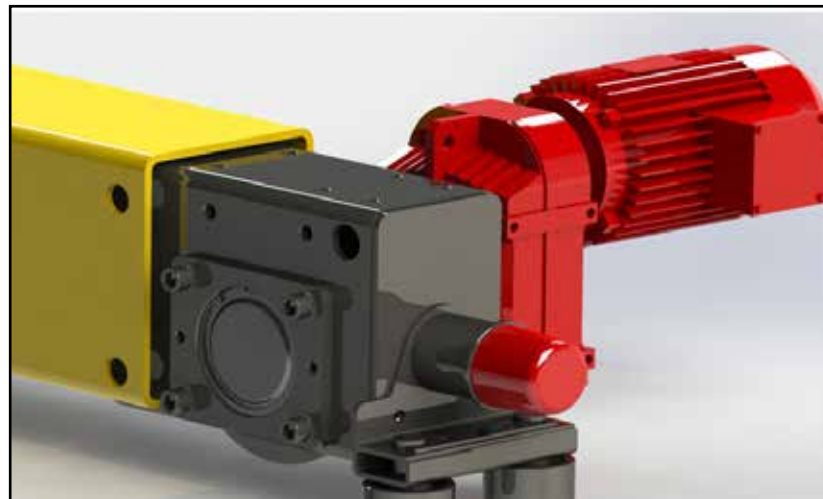
Steel Rails



End Carriage



Steel Beam



Travel Drive



Wheel Block

Crane Components



Electric Trolley



Geared Trolley



Control Panel



Pushed Trolley



Control Cabin



Variable Frequency Drive - VFD



Power Supply - busbar System

Crane Components



Power Supply - Cable Reel Drum



Festoon System - Power Supply



Festoon System – Control Supply



Control Pendant Station

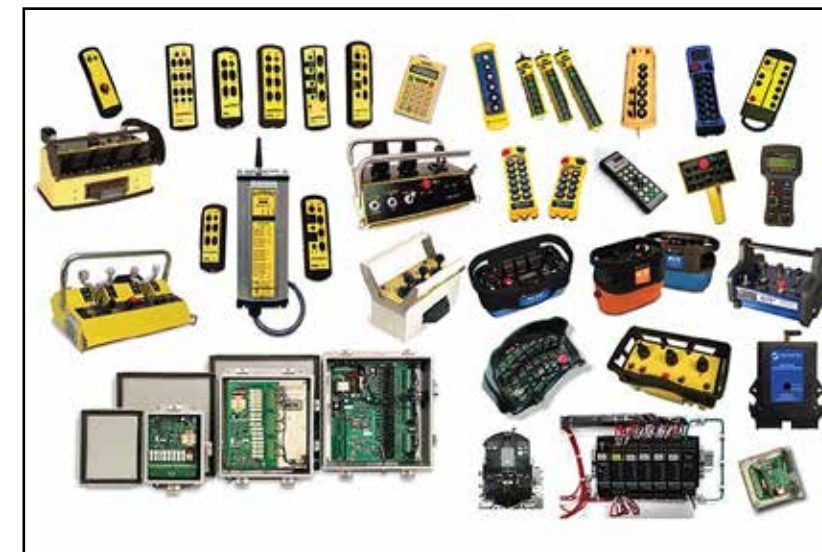


Control Pendant Cable



Travel Drive

Crane Components



Radio Remote Control – Push Button



Radio Remote Control – Joystick



Load Display



Travel Limit Switch



Anti-Collision Device



Load Cell



End Stopper

Crane Components



Rubber Buffer



Grabs



Clamps & Lifting Lugs



C-Hooks



Magnets



Spreader beams



Lifting Forks

Underhook Attachments



Lifting Slings and Accessories



Electric Forklift



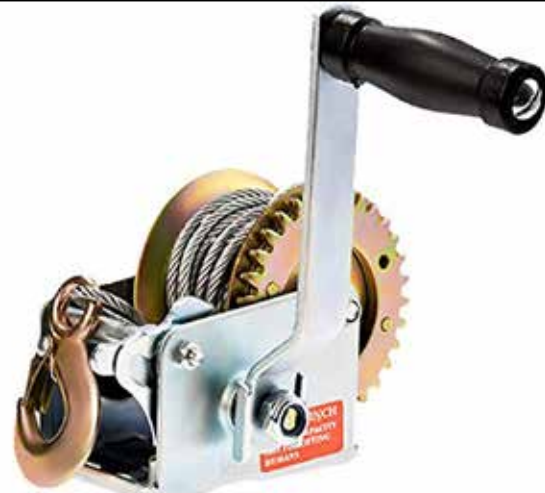
Electric Generator



Electric winches



Diesel Forklift



Manual winches



Hand Pallet Trucks



Electric Pallet Trucks

Equipment



Electric Pedestrian Stackers



Lifting Tables



Heavy Load Moving Systems



Lashing Chains

Equipment

- Electric Forklift

- Diesel Forklift

- Electric Generator

- Diesel Generator

- Manual winches

- Electric winches

- Hand Pallet Trucks

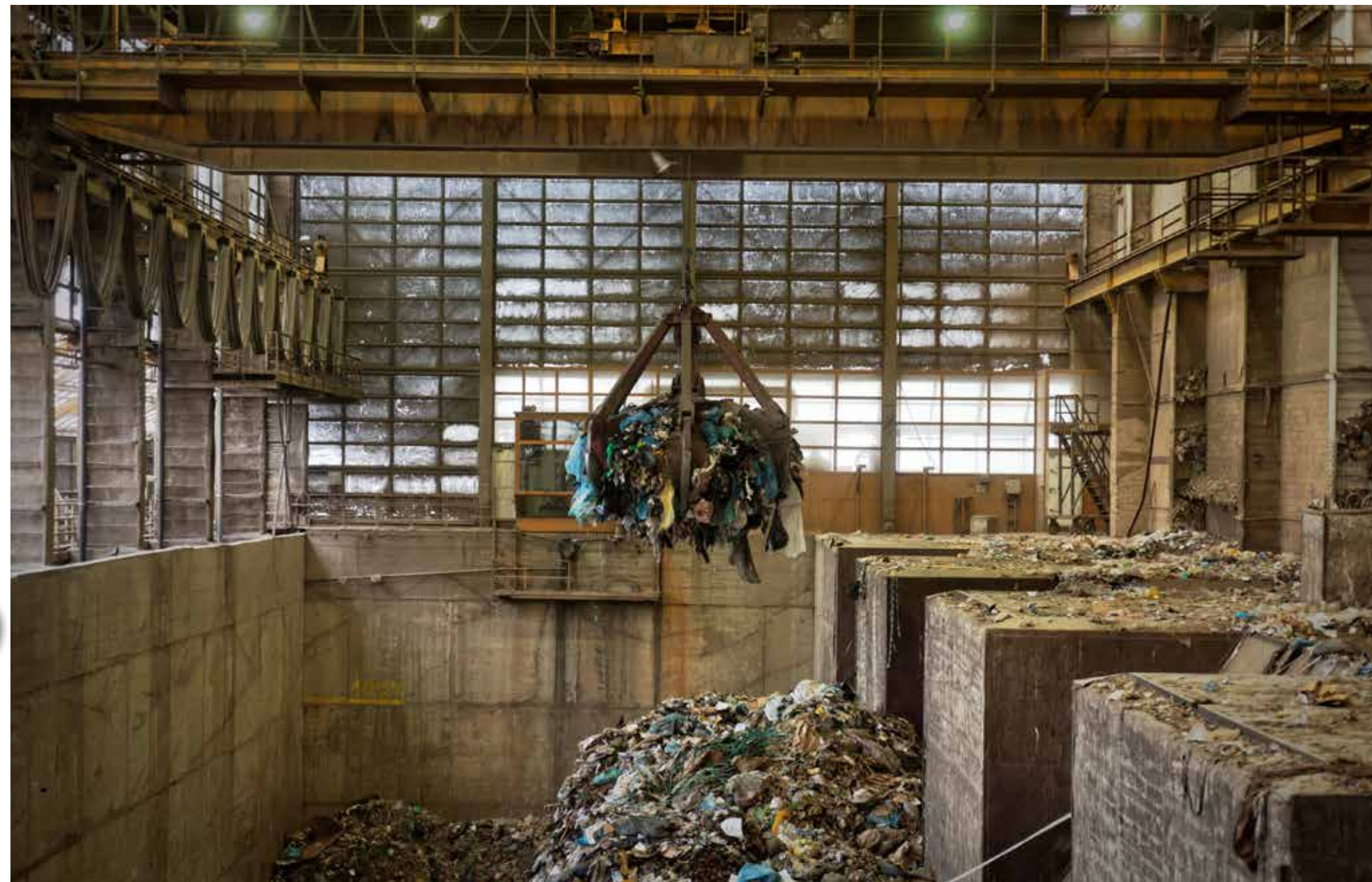
- Electric Pallet Trucks

- Electric Pedestrian Stackers

- Lifting Tables

- Heavy Load Moving Systems

- Lashing Chains



Special Cranes Applications

At Smart Cranes, our designers have extensive experience in designing custom crane solutions to meet specific needs. Our special cranes can come with various features such as telescopic extensions, mobile designs, turning units, galvanized steel, explosion-proof components, and various powering methods. We handle the entire manufacturing process, from steelwork to electronics to the paint finish, to ensure that every aspect meets your requirements.

We also specialize in automated handling systems for a variety of applications across different sectors. Our experts can design and produce automated lifting and handling equipment to meet your specific needs. Our past work includes process dipping systems, paper reel stores, and pick and place units. When you choose Smart Cranes, you also receive top-quality UK manufacturing, load testing, delivery, installation, and full project management support.

We have expertise in steel mill cranes, which are required for harsh environments with high temperatures, dust, and corrosive gases. Our cranes are designed for high reliability, fast speeds, and safety, and we work with leading European crane manufacturers to provide the best products with local service and spares availability.

For precast concrete factories, we offer cranes that can achieve minimum cycle times, intensive use, and low downtime. Our recommendations will consider all aspects, such as target output, loads, and material routing.

In galvanizing plants, cranes need special coatings and components to withstand the harsh chemicals and heat. Smart Cranes can provide cranes that are safe, reliable, and cost-effective.

For steel factories, shipyards, scrap stores, rolling mills, and rebar factories, we offer magnet cranes designed for shock loading and side pulling.

For aluminum smelters, we provide cranes for all process areas, including potrooms, casthouses, kiln areas, and maintenance areas. Each area has its own unique considerations, and we will design cranes that meet those specific needs.



Automation

We understand the importance of efficient and safe material handling in your operations, and that's why we offer top-of-the-line automation solutions for overhead cranes. Our team of experts is dedicated to providing innovative and customized solutions to meet your specific needs.

Upgrade to the Latest Technology

Take your material handling to the next level by upgrading your outdated cranes with our state-of-the-art automation solutions. We offer the latest in variable frequency inverters and Programmable Logic Controllers (PLCs) to ensure that your cranes operate at optimal levels of efficiency and safety. With our technology upgrades, you'll experience improved speed control, smoother operation, and lower maintenance costs.

Benefits of Automation

By incorporating automation into your material handling process, you'll experience a range of benefits including:

- Increased efficiency: Automated cranes can operate at higher speeds, reducing cycle times and increasing productivity.
- Improved safety: Automated cranes come with advanced safety features, reducing the risk of accidents and improving workplace safety.
- Lower maintenance costs: With less wear and tear on crane components, you'll experience lower maintenance costs and reduced downtime.
- Enhanced reliability: Automated cranes are designed for continuous operation, ensuring that your material handling process is always running smoothly.

Custom Automated Cranes

At Smart Cranes, we don't believe in a one-size-fits-all approach. That's why we offer custom-built automated cranes to meet the unique needs of your material handling process. Whether you're looking for automated die handling, or any other automated crane process, our team of experts will work with you to design and build the perfect crane solution for your needs.





Health & Safety

Company's Responsibility

Smart Cranes shall endeavor to provide and maintain a working environment that is safe and without risk to the Health & Safety of its Employees and its assets. Smart Cranes pledges its full co-operation & commitment to the SHEQ Safety Policy.

Employee's Responsibility

Every employee shall endeavor to comply with all relevant legislation, instructions, rules and procedures in the interest of Health & Safety. Employees will mutually be responsible for the Health & Safety of everyone, while utilizing equipment and machinery properly and minimum risk.

We are committed to:

- Take reasonable care to protect own Health and Safety
- Take reasonable care to protect the Health & Safety of others
- Take proper care of personal protective equipment and the correct use thereof
- Report a situation or act promptly that is a risk to any person
- Co-operate with any person to ensure compliance with the duties and responsibilities placed on the person in terms of the Health & Safety act
- Comply with prescribed Health & Safety measures
- Concentrate on mental health and maintaining a positive attitude



At Smart Cranes LLC, we are committed to providing our customers with the highest quality material handling solutions. To ensure this, we have established a rigorous quality control program that covers all aspects of our operations, from design and manufacturing to installation and maintenance.

Continuous Improvement:

We continuously strive to improve our products, processes, and services to meet the evolving needs of our customers.

Compliance with Standards:

We adhere to international quality and safety standards to ensure the reliability and safety of our products.

Customer Satisfaction:

We strive to exceed customer expectations by delivering products and services that meet their needs and requirements.

Quality & Control Policy

Employee Training:

We invest in the training and development of our employees to ensure they have the skills and knowledge necessary to meet our quality standards.

Quality Assurance:

Our quality assurance process includes rigorous testing and inspection of all products, as well as regular monitoring of production processes to ensure consistency and accuracy.

Process Control:

We have established strict control procedures for all stages of the production process to ensure that our products are manufactured to the highest standards.

Supplier Management:

We work closely with our suppliers to ensure that all materials and components used in our products meet our quality standards.

Our commitment to quality and customer satisfaction is reflected in the products and services we provide. We believe that our focus on quality and control is essential to the success of our business and the satisfaction of our customers.



Compliance

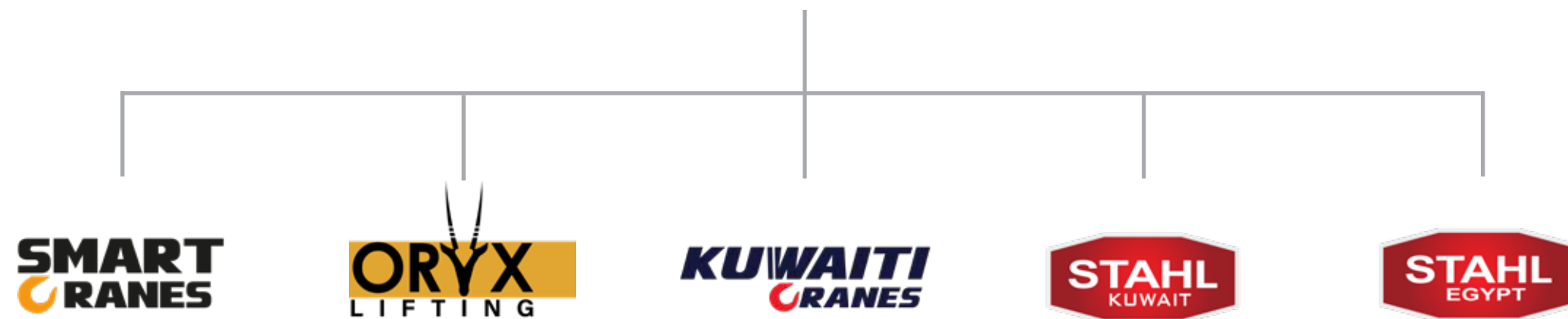
Engineering Compliance

Our company is proud to be associated with major key professional staff to assist for projects including best engineers, safety officers, technicians, plant operators, quantity surveyors and quality controllers

Quality Compliance

Regardless of any project size and workload given, the relayed projects will be planned, controlled, conducted and frequently inspected to ensure that any rendered projects are fully compliant with various mining organizations and related structures.

WINCHY HOLDING



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