



## CWD SERIES HEAVY DUTY OVERHEAD CRANE



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CLESCRANE retains the rights to change on product design and specs. at any time. When purchase and delivery, subject to our actual products.

# ABOUT CLESCRANE

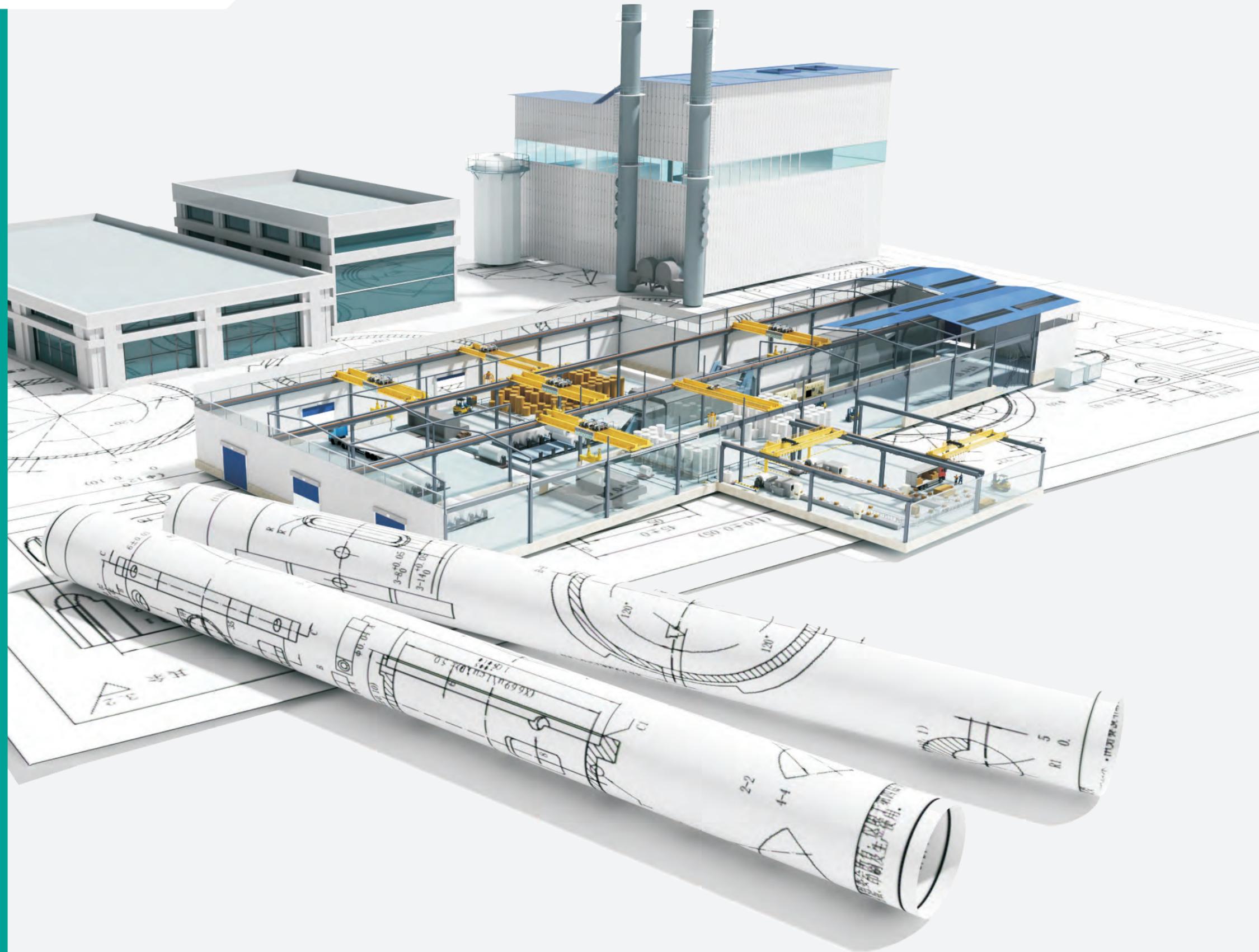
If someone asks me what your core business is, I will say that automatic paper roll warehousing and biomass straw bale warehousing are our core competitiveness. We focus on familiar areas of expertise to help clients increase their productivity, enhance their businesses, and increase the value of their products.

We have professional service partners in target markets around the world, which enables us to provide turnkey services and long term maintenance services for local customers.

Both quality and values are important when choosing business partners.

We care about the health and development of every employee. We provide professional training, longer holidays and more company for family members. Employees are our greatest wealth, we believe that a company can develop in the long run, then he must love his employees, good corporate culture, shape our core values.

“ I won't sell the future for short term profit”,  
CLESCRANE is here for you.



## CWD Series Heavy Duty Overhead Cranes

Lifting Capacity: 5~320t

Span: 7.5m~35.5m

( longer span can be designed and manufactured )

Working Class: A3, A4, A5, A6, A7, A8

### COMPACT STRUCTURE & MODULAR DESIGN

CWD crane is of many features, such as compact structure, low dead weight, small wheel load, uniform load distribution and so on which will decrease the construction cost greatly, reduce heating cost and make the maintenance easily. This can optimize the comprehensive investment of customers and help them to achieve larger rate of return on investment.

### SAFE, RELIABLE AND EASY TO MAINTAIN

Equipped with advanced technology, advanced processing equipment, series of production and strict quality control, Clescrane ensures the high quality and good performance of CWD crane.

In design aspect, we adopt non-maintenance + easy maintenance to ensure the product advantages and at the same time, make the customer convenient to maintain and easy to master.



**Safer and more precise positioning** with true vertical lift

**Optimal hook approaches** allow effective use of floor space

**Totally enclosed hoist gearing** increased safety, maintenance free and reliable

**Ropes easily adjusted and replaced** due to accessible rope dead ends

**Easier for operators** with improved load positioning and accuracy with inverter control

**Minimized internal stress and rope wear** due to unique trolley frame structure and no reverse bends

**Less stress on buildings** thanks to durable and lightweight structure

## Optimized for your lifting needs

With lifting capacity up to 320 tons, complete solutions are available for cost-effective applications, as well as specific customizations according to customer requirements.



If you're planning to build a new production facility, CWD can help cut structural costs. It has low headroom requirements, a compact trolley design and better hook approaches. This results in a smaller building and efficient use of space. You can reduce the overall height of your building with all the resulting cost savings.

# HOISTING MECHANISM

## Hoisting Motor

Specially designed for frequent lifting.  
 Speed ratio: 6:1.  
 Electricity connection persistency rate 60%.  
 Protection grade IP55.  
 Thermal protection self-cooling fan.  
 Capable for long time work with high speed.

## Hoisting Gearbox

Low speed shaft connects the drum directly for effective transmission.  
 All gear under strength heat treating.  
 Bath lubrication as to achieve quiet and smooth working.  
 Smaller size and dead weight design.

## Cross Traveling Driven Unit

The cross traveling movement is driven by geared motor brake units.  
 Stable and smooth traveling.  
 Accurate assembly for end carriage.  
 Reduce rail and wheels wear.



## Drum

Large diameter greatly prolongs service life of steel wire rope.  
 Reduce hook limit to left and right.  
 Greatly reduce headroom height.  
 Welded steel plate for reliable quality.

## Rope Guide

The rugged rope guide ensures proper rope winding on the drum;  
 Cast iron steel dust proof rope guide.  
 Easy maintenance & long service life.

## Wire Rope

FEM compliant ropes.  
 Redundant rope reeving.  
 Galvanized & anti-rusting.

## Cross limit switch

To position the direction of cross and long travelings of the crane and realize speed reducing and position controlling. Safe, reliable and easy to install and adjust.

## Inverter

Offer soft start and stop for motions as lifting, cross traveling and long traveling.  
 Stepless speed control for various applications.

## Brakes

Large torque of heavy duty hydraulic brake offers high safety.  
 Insure valid brake when electrical outage.

## Overload Limit

A protection device as our standard configuration, to ensure safe operation.

## Trolley Cable

Special channels protect cables from disorder and prolong service life.  
 Clear layout for easy inspection and maintenance.

## Hook Block

Sister-hook for heavy lifting use;  
 Rotary 360 degree for flexible handling.  
 Spring latch for safe operation;  
 Forged alloy.

## Reliable, Safety, Cost-Effective Solutions

We design and supply Cranes and lifting systems for the Heavy Industry and Logistics.

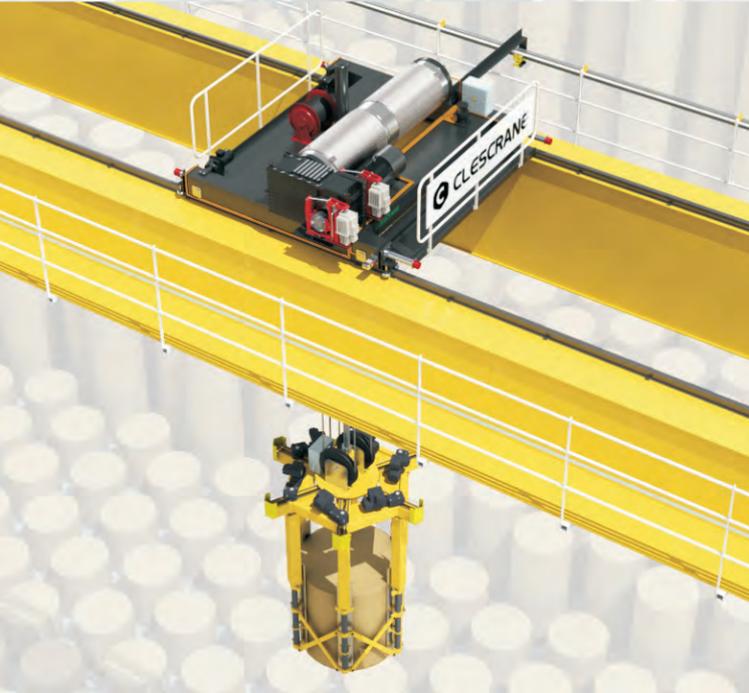
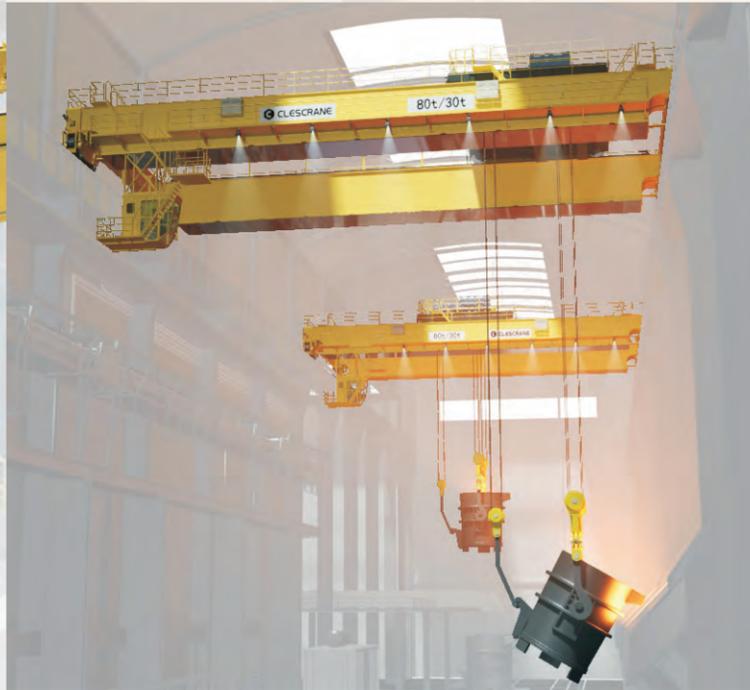
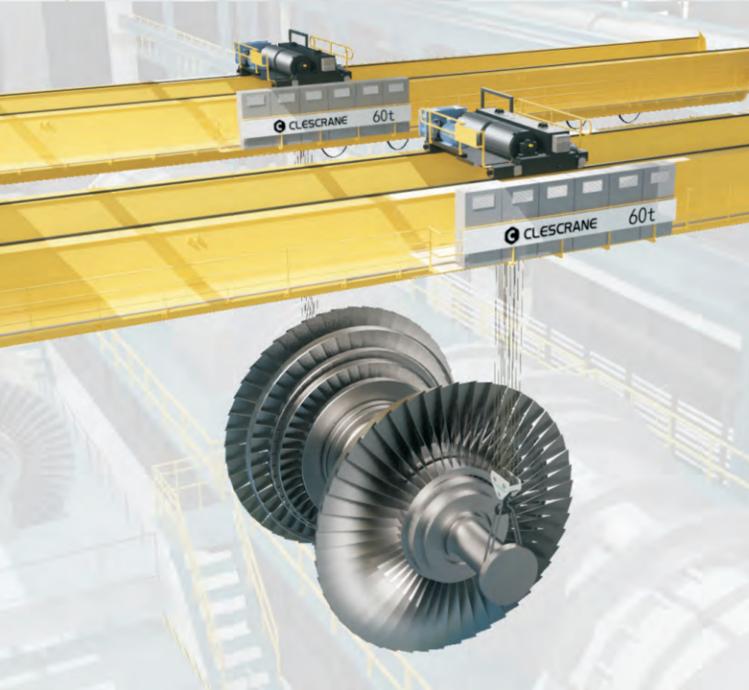
Design and supply of cranes and lifting systems for the heavy industry and logistics, with dedicated solutions for lifting and handling of materials and equipment in the most severe conditions. Our products are designed to operate where reliability, safety, and cost-effective solutions are a must.

### Custom engineered to suit your lifting application

Our product range covers the full range of overhead cranes for the most critical industrial applications, such as paper roll handling cranes for paper rolls storage, refuses & waste handling grab cranes for EfW, ladle handling cranes for steel making.

Fully operator driven, semi-automatic and fully automatic crane management solutions are available to combine the necessary human supervision with the most advanced technologies for remote control, including image processing and safe position detecting.







# MORE CONFIGURATIONS & MORE OPTIONS

CWD crane can lift goods of 5 tons to more than 320 tons according to different configurations. It can also meet the personalized needs of customers based on different options, such as attachments for workpiece overturn, anti-swing devices, auto positioning, maintenance supervision, remote fault diagnosis and so on. We will offer personalized and professional solutions for our customers with our professional experience and advanced technology. CWD crane is easy to renew and expand, even though after the delivery of products. Customers need more function options and configurations which can all be solved by us. It is a product which sees long future.



Cranes in Tandem



Tandem



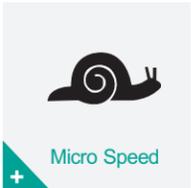
Synchronisation



Load Floating



Shock Load



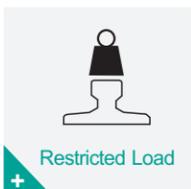
Micro Speed



Inching



Sway Control



Restricted Load



Slack Rope Prevention



Extended Speed Range

# NETWORK OF SERVICE PROVIDERS

CLESCRANE doesn't want the business to grow too fast. We want to be a slow company with responsibility. With the expansion of business, we will gradually cultivate more professional localization service partners.

- Central Africa \* 1
- Angola \* 2
- Mali \* 2
- Ethiopia \* 1
- Tanzania \* 2
- Namibia \* 2
- Niger \* 1
- Kazakhstan \* 2
- Kuwait \* 2
- Qatar \* 2
- The united Arab emirates \* 1
- Nigeria \* 2
- Ghana \* 4
- Kenya \* 1
- South Africa \* 3
- Russia \* 2
- Bangladesh \* 2
- Pakistan \* 2
- Thailand \* 3
- Malaysia \* 1
- Papua New Guinea \* 1
- Australia \* 2
- Britain \* 4
- Poland \* 2
- Austria \* 2
- Croatia \* 1
- Italy \* 1
- Turkey \* 2
- The United States \* 2
- Mexico \* 4
- Honduras \* 1
- Salvador \* 1
- Costa Rica \* 3
- Panama \* 1
- Puerto Rico \* 1
- Venezuela \* 1
- Colombia \* 1
- Ecuador \* 3
- Peru \* 2
- Brazil \* 1
- Bolivia \* 1
- Paraguay \* 1
- Uruguay \* 1
- Argentina \* 1
- Chile \* 3



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# SERVICE PACKAGE

Senior professional project manager, only focus on your industry engineer team, professional tools, regular system solution manager return visit, localized installation services, professional training after equipment delivery, sustainable spare parts supply constitute CLESCRANE's service package.

## Training

Training is very important for users. At present, CLESCRANE will conduct on-site and professional course training for shifted teams after the third stage of the fully automated storage and waste-to-energy business is completed. The third stage is the performance test stage. Training is an important part of the commercial quotation. It teaches you how to use and maintain it, which plays a key role in ensuring the continuity of production and zero downtime.

## Field equipment installation

CLESCRANE focuses on providing users with turnkey solutions. Installation is not a trivial matter. The implementation of fully automated business requires a lot of experience. Users only need to give us the necessary cooperation. We can provide you with installation services in the target market. We have professional localized installation partners. The auxiliary equipment needed for installation can be provided by us, the key is the quality assurance after installation. Our team will pass the professional equipment test, because the quality of the installation also determines the accuracy of the positioning accuracy of the automated equipment.

## Equipment debugging and system performance test

CLESCRANE will provide services in the debugging and performance testing phases of the entire project. After the installation is completed, we will send electrical engineers to debug the electrical system of the equipment and the main program to ensure the smooth transmission of instructions between the CWMS, the crane system, the conveyor system, and the AGV trolley. The goal of performance testing is what we care about and is the most critical. We need to meet all your requirements for system efficiency and carry out continuous work testing for at least 48 hours. The senior CLESCRANE project manager on site will be responsible for the confirmation and acceptance of the phased results with your project manager.

## Sustainable supply of spare parts

The guaranteed supply of spare parts for 15 years. This is simple to say but not easy. Thanks to our information management of each completed project, we will finalize the composition of future spare parts with you on the first maintenance day, and let every penny be spent on key points and eliminate waste.

## Return visit mechanism

The project management team in Shanghai provides additional return visit services. The system solution manager will regularly visit your site for service tracking. We understand the operation of your system. We hope to hear your opinions. This will help us improve our products and design and bring direction to innovation, I want to say that user experience is paramount.

## Preventive Inspection service

To take precautions, CLESCRANE provides preventive inspection services. We will not wait for equipment to be shut down due to the inability to carry out periodic maintenance in time, which will affect your production. Although we have professional service provider partner in your country, even if we still send them to provide preventive maintenance for you, but we still recommend that you sign a preventive inspection service agreement with CLESCRANE, because CLESCRANE is responsible for the equipment they provided to the end.