

# · GH ·

CRANES & COMPONENTS

LIFTING SOLUTIONS FOR **PULP & PAPER INDUSTRY**

# GH

## CRANES & COMPONENTS



001


Certificate No. E199326



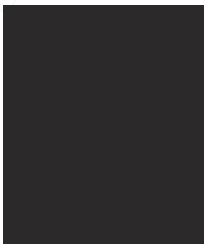
DESIGNED, ENGINEERED  
& 100% KIT  
MADE IN EUROPE

The background of the entire page is a light gray technical drawing or blueprint of industrial machinery, likely related to pulp and paper production. It features various gears, rollers, pipes, and structural components, rendered in a fine line style. The text is overlaid on this background.

# LIFTING YOUR WORLD

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PROVEN SOLUTIONS FOR EACH STAGE IN PULP AND PAPER MAKING  
HIGHEST QUALITY STANDARDS  
VANGUARD TECHNOLOGY  
PROCESS EFFICIENCY  
RELIABILITY  
SAFETY

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# Excellent Equipment



## GH GROUP

GH is one of the global leaders in the lifting industry, who has been always driven by the following belief: "science and technology should serve to enhance the civilization of the mankind", sparing no efforts to promote mature technology in each lifting industry, which has been widely recognized and supported. over the course of more than half a century of development, GH has lead the industry, step by step, reinventing the business, each time more powerfully. In many industries, GH is recognized as the world's leading supplier for the lifting equipment, spare parts and services.



GH is a family owned company with deep roots on its business basics: safety, efficiency, robustness and environmental protection, designing user-friendly low-in-maintenance products, persevering on integrating all these elements into every single aspect of GH products' development and manufacturing.

Focused on continuous R&D and innovation, GH MISSION is to PROMOTE our CUSTOMERS' EFFICIENCY & PROFITABILITY by offering suitable SOLUTIONS TO THEIR NEEDS, minimizing our clients' operating costs and easing adverse environmental impact involved in the industrial production.



GH choice is to design completely its products in house and promote commercial components to maximize parts' interchange ability, and doing so mitigate end users' risks. Behind this it is a clear belief: GH proposal is to provide high quality and high value added service to enhance users' experience offering the lowest risks and best performance in the market.

## EXPERIENCE

GH wide EXPERIENCE in developing optimal solutions for pulp & paper industry makes a difference when driving our clients in this sector. GH's skilled team delivers our expertise in this industry helping our clients to select suitable lifting equipment for the typical processes involved in the sector.

## INTEGRAL SOLUTIONS

From design stage we offer tailor made solutions to our customers being able to supply all the cranes involved in the typical installations of the sector. The solutions are integral according to the complete process needs demanded by our clients.



## PROCESS EFFICIENCY

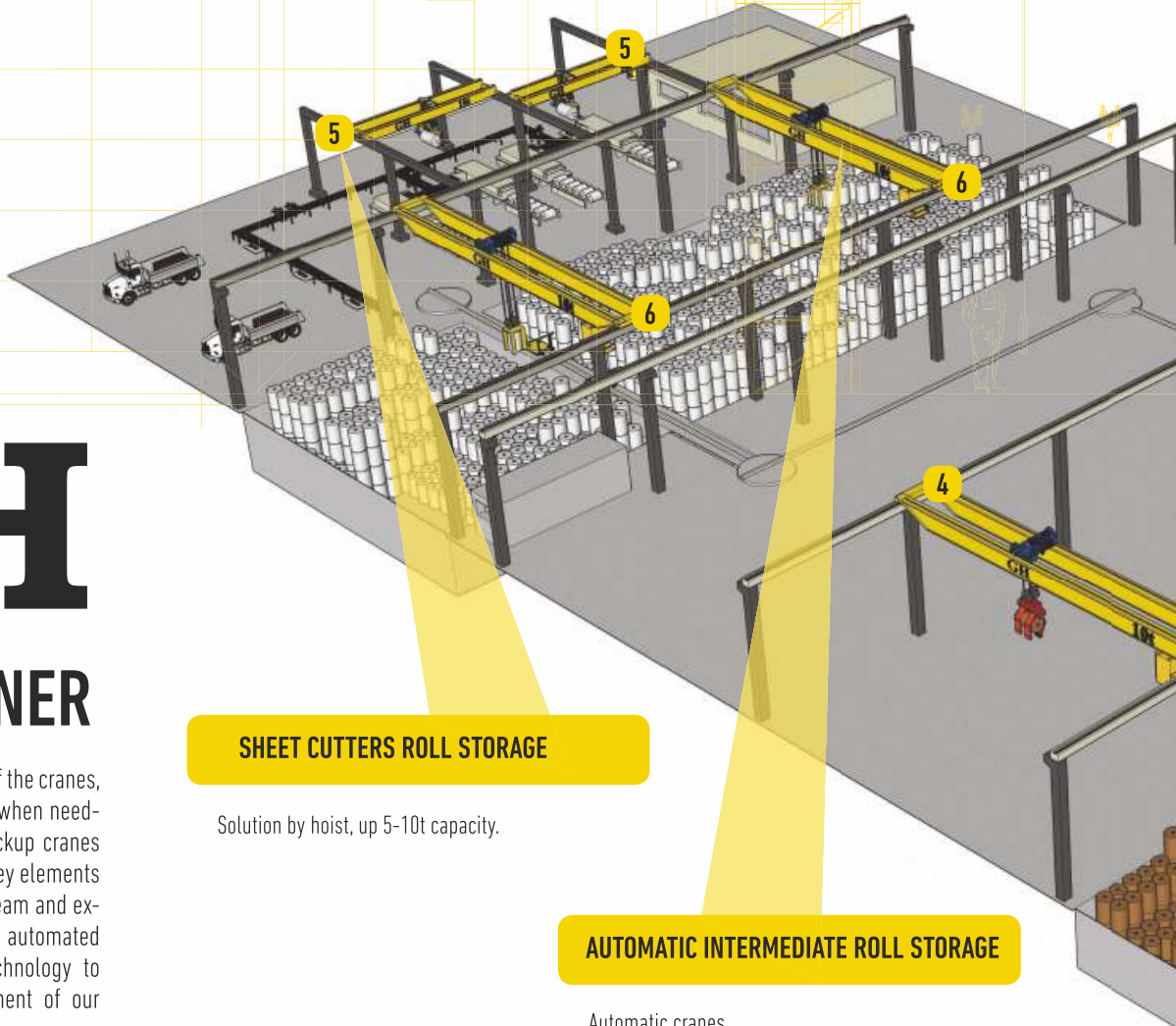
One paper plant generally uses vast different cranes as wet end, dry end and winder etc. GH Cranes products and services ensure an optimal process. Customers in this demanding sector has an obsession: EFFICIENCY. GH provides tailor made solutions specially designed to meet our customers' demanding processes ensuring efficiency and enlarging the cranes life span with GH complete turnkey solutions.

# PULP & PAPER INDUSTRY CRANES



WE

Used  
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50/1  
M5-  
or (2  
serv



## GH YOUR PARTNER

GH is aware of the important role of the cranes, that is, they must be operational when needed. Layout of handling areas, backup cranes and complete working cycle are key elements taken into account by our sales team and expert engineers. GH offer includes automated cranes equipped with latest technology to maximize the return on investment of our customers.

### SHEET CUTTERS ROLL STORAGE

Solution by hoist, up 5-10t capacity.

### AUTOMATIC INTERMEDIATE ROLL STORAGE

Automatic cranes  
A8 working group  
24 h/day work  
Capacity: generally up to 8-10t.  
Solution by open winch

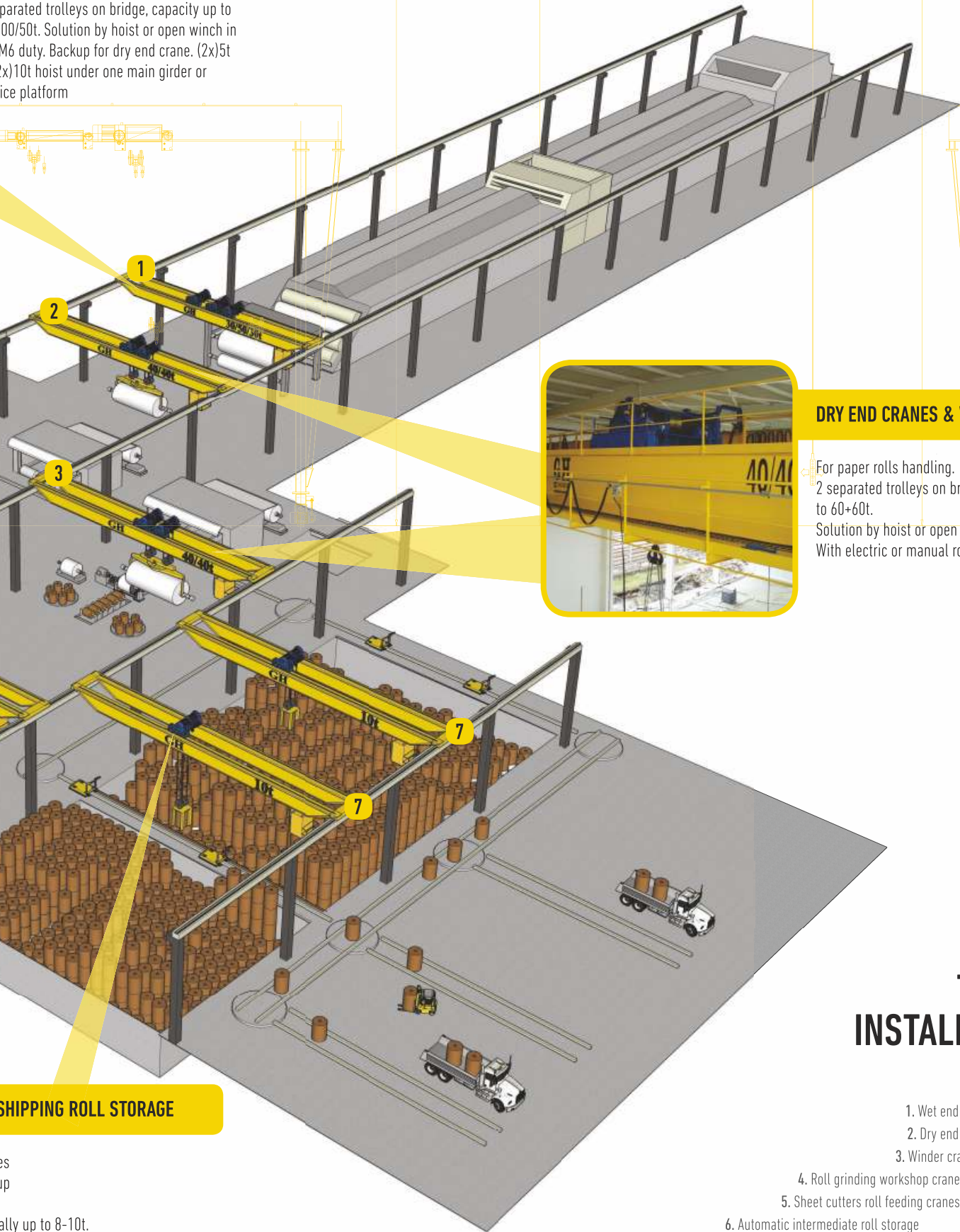
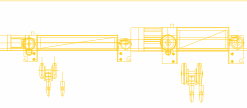
### AUTOMATIC S

Automatic crane  
A8 working group  
24 h/day work  
Capacity: genera  
Solution by ope



## WET END CRANE

...d for maintenance and empty roll change.  
 ...parated trolleys on bridge, capacity up to  
 ...00/50t. Solution by hoist or open winch in  
 ...M6 duty. Backup for dry end crane. (2x)5t  
 ...x)10t hoist under one main girder or  
 ...ice platform



## SHIPPING ROLL STORAGE

...es  
 ...up  
 ...ally up to 8-10t.  
 ...n winch



## DRY END CRANES & WINDER CRANE

For paper rolls handling.  
 2 separated trolleys on bridge, capacity up  
 to 60+60t.  
 Solution by hoist or open winch in M6 duty.  
 With electric or manual rotating lifting beam.

## TYPICAL INSTALLATIONS

1. Wet end crane
2. Dry end crane
3. Winder crane
4. Roll grinding workshop crane
5. Sheet cutters roll feeding cranes
6. Automatic intermediate roll storage
7. Automatic shipping roll storage

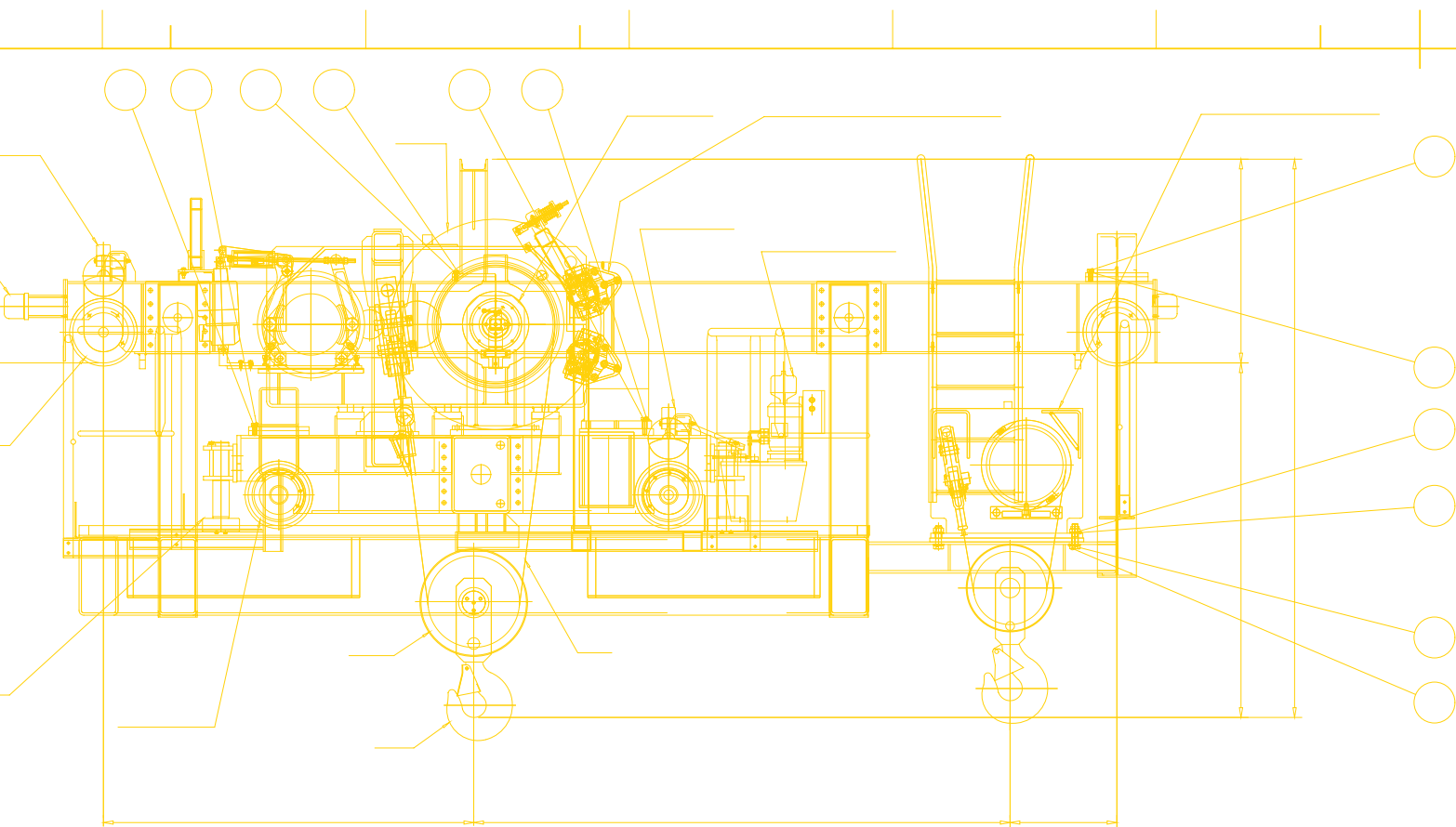
## EFFICIENCY FOCUSED SOLUTIONS

Pulp and paper industry has been historically one of the main industrial sectors in which GH solutions have met its demanding needs effectively. Numerous satisfied clients support GH tailor made solutions. Our experience in the sector allows us to drive our clients towards efficiency improvement whichever process/es they are in.

GH wide range of lifting solutions deliver big savings in construction costs: compact designs, optimizing lifting height and side approaches resulting in a decrease of CAPEX for our clients. Furthermore we shorten working cycles (PLCs driven automatic and semi-automatic cranes), increasing our clients' productivity.







## MAIN ADVANTAGES OF AVAILABLE SOLUTIONS FOR PULP AND PAPER INDUSTRY

- **Semi-automatic and Fully automatic cranes:** PLC controlled cranes ensuring needed shortened working cycles, target positioning avoiding manual controlled inefficiencies and including electronic anti-sway system.
- **Zone restriction:** Protected areas kept safe, eliminating human errors and avoiding damages in your equipment or injuries to your staff.
- **Synchronization in hoisting:** Closed loop controlled (encoder) avoiding paper and empty rolls slipping and ensuring a precise and safe loading when using 2 or more lifting points.
- **Friendly use:** Remote controls including informative display showing black box info and ergonomic design.
- **Overload electronic device as standard:**
  - Lifting device loading spectrum and overloads record (black box)
  - Safety working period (SWF) control
  - Alarm activation for preventive inspections
  - Lifting motor over temperature control input/connection.
  - Control of starting and braking lifting movement towards movement smoothness, avoiding abrupt movements and increasing life span of motor, brakes and contactors.
- **Regenerative inverter controls** saving up to 5% energy, feeding it back to grid.



## RELIABILITY

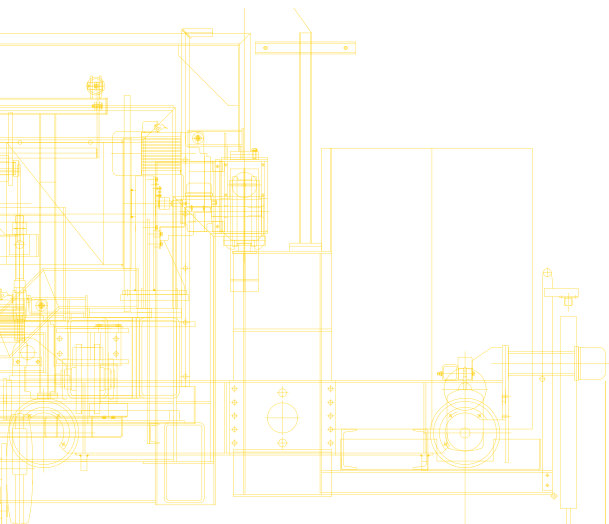
GH cranes are known due to their durability and reliability, which are important in any industry given but even more important when dealing with process cranes as the ones installed in pulp&paper sector. The whole process depends on those cranes and only best performance can be accepted.

## SERVICE

Service and maintenance plays a key role in our GH product strategy. The Crane should be inspected and maintained before any problem appears in order to avoid stops, and reduce the impact of the operating costs on our customers' profits. GH Cranes uses the best design, delivering a higher quality product, meeting higher requirements than most of the competitors to ensure additional features, reduce the maintenance cost and extend the working life of the investment.

## SAFETY

We are not just concerned about the safety of the lifting equipment and the load handled, we are committed to improve the safety performance of the entire production system.





**PAPRESA**



**EUROPAC**




**SAICA**



**CARTONAJES SANTORROMAN**



**TORRAS**

The background of the entire page is a detailed technical drawing of a crane component, rendered in yellow lines on a dark grey background. The drawing shows various mechanical parts, including what appears to be a motor, gears, and structural beams, with various dimension lines and symbols.

# GH

**CRANES & COMPONENTS**

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