KONECRANES GOTTWALD FLOATING CRANES

YOUR WAVE OF SUCCESS
As the industry’s pioneer, Konecranes has used the basis of its well-known mobile harbor crane technology to create different crane types to suit your needs. In addition to portal harbor cranes for quay facilities, these also include floating cranes for use in various applications on water.

Konecranes Gottwald Floating Cranes are available for all crane models and come in these variants:
- harbor pontoon cranes (the crane is mounted on the pedestal of a specially designed barge),
- portal harbor cranes on barges (the crane is mounted on and runs on rails on a specially designed barge).

The benefit of these cranes is that they offer flexible solutions for cargo handling in harbors or on waterways where there are few quays or none at all or where quay capacities have been exhausted.

Konecranes Gottwald Mobile Harbor Cranes provide flexible solutions for any terminal environment.
Konecranes Gottwald Floating Cranes combine proven mobile harbor crane technology from the slew ring upwards with floating barges. These solutions are oriented towards individual application conditions – these include ship sizes, cargo types and required handling performance.

Four-rope grab variants for professional bulk cargo handling can achieve handling rates of up to 1,850 tph depending on operating conditions and crane capacity. Since their market introduction in 2004, Konecranes Gottwald Floating Cranes have been put to work in many different applications.

**FOR ALL SHIP SIZES, CARGO TYPES AND HANDLING RATE REQUIREMENTS**

**MEETS YOUR CHALLENGES**

Konecranes Gottwald Floating Cranes are used for:
- ship-to-ship handling,
- ship-to-quay handling,
- on rivers (mid-stream operation),
- in ports and protected waters,
- in coastal waters and on the open sea.

**FLOATING CRANES ARE SUITABLE FOR HANDLING:**
- bulk (e.g. coal, ore, crops, fertilizers),
- containers,
- general cargo.

**MANY ADVANTAGES**
- Independent of land-based handling facilities
- Mobile from one site to another on the water
- Low specific investment costs
- Rapid availability thanks to short delivery lead times
- Excellent resale value

**KONECRANES GOTTWALD FLOATING CRANES ARE USED FOR:**

- ship-to-ship handling,
- ship-to-quay handling,
- on rivers (mid-stream operation),
- in ports and protected waters,
- in coastal waters and on the open sea.
Where construction projects for new quay facilities cannot be approved and where piers do not provide sufficient capacity for operating handling machines, portal harbor cranes on barges are the preferred solution.

Floating cranes can handle bulk cargo alongside floating docks with hoppers and conveyor systems.

Floating cranes can unload containers from ship to ship.

Floating cranes can also be used alongside ships on the open sea.

On rivers and other inland waterways, floating cranes are often used for ship-to-ship transhipment.

As well as bulk materials and containers, floating cranes can also handle steel products.

Floating cranes can change their anchorages quickly and easily, either under their own power or using a tug or pusher craft.

Floating cranes can unload bulk materials directly from ship to shore.

Floating cranes can completely replace land-based handling machines, e.g., for container handling.

Floating cranes are the ideal complement to land-based mobile and portal harbor cranes and can be used as backup for machines that are currently unavailable.
Konecranes Gottwald Floating Cranes are extremely flexible in their applications and can be used anywhere on the water.

On quays with restricted space our harbor pontoon cranes can replace land-based handling equipment and load cargo directly from the ship to the quay. In this way, cost-intensive modification of the infrastructure can be avoided.

At peak times, the floating cranes can also be used to supplement existing handling equipment. Even in shallow water, they can be positioned without difficulty between ship and quay, bridging any shallows. High investment costs for deep-draught berths and expensive quay walls can be avoided.

KONECRANES GOTTWALD FLOATING CRANES:
• replace land-based handling equipment,
• support existing capacities and ease peak time pressure,
• bridge shallow waters,
• help to avoid investments in the quay infrastructure.

IN TUNE WITH EACH OTHER – DOCKSIDE APPLICATION WITH A FLOATING DOCK
Our harbor pontoon cranes can also be used alongside floating docks. Here, for example, they are handling bulk materials from ocean-going ships. The floating cranes compensate for water level fluctuations, allowing straightforward operation of complete infrastructures with floating docks, hoppers and conveyor belts. This results in quick and efficient unloading.

FUNCTIONAL AND EFFICIENT – PORTAL HARBOR CRANES ON BARGES
This type of floating crane puts our portal crane concept on a barge. The barges have rails on which the crane can travel to and fro, thanks to its rail-mounted portal. This enables the crane to service several holds without warping the barge.
For cargo handling enterprises on waterways which have little or no quay facilities or which do not permit them, Konecranes Gottwald Floating Cranes are the right solution.

As they can also be used mid-stream, these cranes provide rapid ship-to-ship cargo handling. In this way, operators can deal successfully with rising freight volumes and increasing pressure on costs.

On the river, the cranes can handle a wide range of bulk cargo from large oceangoing ships to inland waterway vessels or barges. For demanding, continuous operation the cranes are designed as a fourrope variant with high classification.

KONECRANES GOTTWALD FLOATING CRANES MAKE IT POSSIBLE:
• a perfect mix of mobility and efficiency,
• flexible, fast response,
• low overheads and excellent fleet utilization thanks to their variable application options,
• ability to pass under most bridges with its boom lowered.

NO QUAYS? NO PROBLEM!

SHIP-TO-SHIP HANDLING

Several fleets of Konecranes Gottwald Floating Cranes mid-stream increase the capacity and handling performance of our customers, for example on the Mississippi River, where there are very few quay facilities.
EVEN FAR OUT ON THE OPEN SEA

Konecranes Gottwald Floating Cranes can be used far from the coast, where they load bulk cargo intended for export, such as coal towed on barges from inland ports, on to ocean-going ships up to Capesize class. Wind and swell make it necessary to adapt the design and construction of cranes operating on the open sea. These modifications may include a stronger boom or additional slewing gear units. Konecranes Gottwald Floating Cranes can work at wind speeds of up to 24 m/s and wave heights of up to 2.5 m.

KONECRANES GOTTWALD FLOATING CRANES OFFER:
- improved capacity and handling rates,
- efficient grab curves,
- powerful capacity curves,
- high classification.

LOYDS CERTIFICATION
In order to operate Konecranes Gottwald Floating Cranes on the open sea, the whole design is comprehensively examined by Lloyd’s Register for seaworthiness. If requested by our customers, the crane can be certified with a maritime classification.
KONECRANES GOTTWALD FLOATING CRANES

THE RIGHT SOLUTION

We combine our crane know-how with the expertise of barge manufacturers. You can choose between new or used barges or, where appropriate, barges suitable for conversion. On request, we can also act as general contractor.

The size and characteristics of the barges are designed to meet your specifications. According to requirements, the barges also include:

- a fuel tank for self-propulsion,
- accommodation for the crew.

High flexibility in barge design: for Konecranes Gottwald Floating Cranes you can opt for new or existing barges – we support you finding the right solution for your application.
MORE CONTROL – MORE EFFICIENCY

Many optional features enable customers to adapt their Konecranes Gottwald Floating Crane to the exact conditions of use, these features include:

- automatic point-to-point handling mode to provide efficient support for repetitive load moves,
- vertical lift assistant to stop the load swinging after being raised and prevent horizontal loads on the boom,
- tandem lift assistant permits use of full lifting capacities and control of two cranes by only one operator,
- grab fill level control to reduce overload cut-outs and to improve the bulk handling performance,
- hold totalization feature for register and record bulk handling rates per hold and in total,
- web-based information and diagnostics system to record operating data and provide access to service data.
YOUR FLOATING CRANE IS IN THE BEST HANDS WITH US

COMPREHENSIVE SERVICE

During the development of our Konecranes Gottwald Floating Cranes and their variants, we were already thinking about ease of maintenance. The robust machines are user-friendly thanks to easily accessible maintenance points. Our expertise is complemented by the use of components from globally renowned manufacturers.

WE MAINTAIN AVAILABILITY
We contribute to maintaining the availability of your Konecranes Gottwald Floating Crane. Our global service organization is local to you in all time zones, and offers you expertise in maintenance and repair in combination with fast delivery of spare parts.

WE KEEP THE VALUE OVER MANY YEARS
We are the right choice to provide support for your Konecranes Gottwald Floating Crane because we built it and therefore know it best. With our comprehensive service portfolio, your crane remains state of the art, its service life increases and it maintains its value over many years.

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