KONECRANES

HOW DID A cow evolve into one of the planets smartest animals? Powerful neural adaptations for more

sophisticated computational strategies.

Mobile Harbour **Crane Drive Upgrade Retrofit** A new generation hard- and software fix for all MHC crane drives that will increase productivity by reducing downtime.

Intelligence. Evolved.



port services provider to brownfield terminal

ADAPT AND THRIVE

Konecranes is the premier

developments. Our range of retrofit products will enable your fleet to adapt to a fast-changing environment.

Welcome to your **evolution**. Small, incremental changes that enable existing fleets to continue to adapt and thrive.

Upgrade Retrofit

MHC Drive

that will be available for the next 10 to 15 years.

Extend the life of your

2- and 4-rope cranes

with new, customized

A solution with new

technology and spare parts

drive systems.



WHY UPGRADE YOUR MHC'S DRIVE?

but drive configurations depend on:

are obsolete.

• Whether it is a 2-rope or 4-rope. • The power and supply voltage.

This retrofit is available for

since the early 2000s and

where the drive systems

This is a standard retrofit

all Gottwald MHCs delivered

For AC-drives

For DC-drives

crane's availability and terminal productivity. Decreased downtime means increased productivity. Running your crane until it breaks down can result in several months'

After 10 to 20 years, the crane's steel structure is

often still in good working condition and could be

Specific crane components are getting old

It is increasingly difficult to find original

Spare parts and support from the drive's

original equipment manufacturer (OEM) are

no longer available, negatively impacting the

used for some years to come.* But

and obsolete.

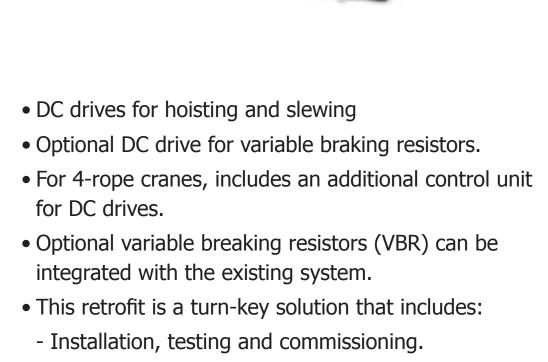
spare parts.

* Assuming normal usage and conditions.

unnecessary downtime.

SUMATIC.





- Technical documentation and training support.

Decreased downtime means increased productivity.

• Konecranes guarantees spare parts support.

modified for the new equipment. into the grid.

WHAT YOU NEED TO KNOW

• On 4-rope cranes, the upgrade includes an additional control unit for DC drives as standard. • Timeframe:

- From order to delivery = 4 to 6 months.

• The MHC drive retrofit is delivered with industrial internet capabilities as standard.

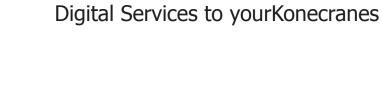
- Customers must: - Supply the correct order number and information about the crane's availability. - Provide an appropriate storage area for components during the upgrade.
 - fuel to facilitate the commissioning.
 - Eimskip | Canada 👩

DP World | Dominican Republic

SELECTED REFERENCES

Gulf Stevedoring | USA





• The new IPC comes:

- With VISUMATIC8 software

- With a monitor for the electrical control

room, keyboard, mouse, and UPS.

- Ready to connect via TRUCONNECT

• For all DC drives, line fuses are replaced and, as necessary, circuit breakers, contact, etc. are • For AC drive cranes, there is a feedback unit that can potentially feed regenerative energy back • The Variable Braking Resistor system can be added to your MHC upgrade as an optional extra. - Downtime = 2 to 3 weeks per crane, depending on the crane. - Hand over the crane to be upgraded in a fully functional condition and with sufficient diesel

Gulftainer | UAE



ARTC | USA

Logistec | USA

DP World | Mozambique Year **Customer/Location**

Eimskip / Canada

Gulftainer / UAE

P/F Faroe Ship / Faroe Islands

DP World / Mozambique

2-rope

2022

2022

2022

2022

2022

2022

2021

2022

Ports. Evolved.

4-rope

P/F Faroe Ship | Faroe Islands

. KONECRANES	
ARTC / USA	1
DP World / Dominican Republic	2
Logistec Palmetto / USA	2
Gulf Stevedoring / USA	1



Quantity

1

1

1

2



Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process

This publication is for general informational purposes only. Konecranes reserves the right at any time, without notice, to alter or discontinue the products and/or specifications referenced herein. This publication creates no warranty on the part of Konecranes, express or implied, including but not limited to any implied warranty or merchantability or fitness for a particular purpose.

industries, shipyards, ports and terminals. Konecranes provides