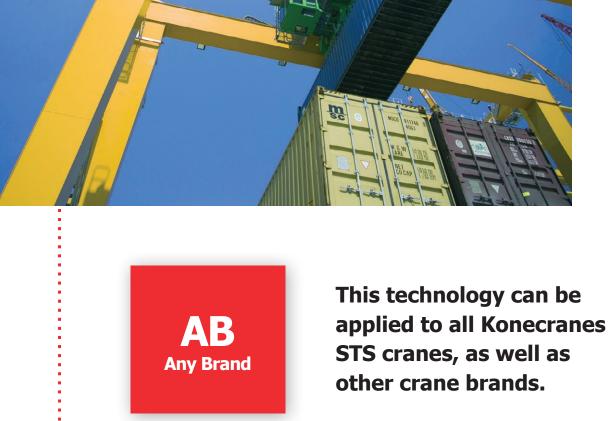
HOW HAS The Sandhill Crane become the oldest bird species on earth? They are engineered to endure. Over the last

10 million years only slight adaptations to their wingspan have been required to keep the species thriving.

Modernizations Similarly, the steel structures of most older cranes retain their integrity, and require

Crane

mostly small adjustments in reach, location or machinery to increase the crane's longevity. **Endurance.** Evolved.



port services provider to brownfield terminal

ADAPT AND THRIVE

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

Konecranes is the premier

KONECRANES

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



STS Boom

Extension

Fast and cost-efficient

alternative to buying

new equipment.



EQUIPMENT

This technology can be

STS cranes, as well as

other crane brands.

applied to all Konecranes

Image: Port of London Authority





23 rows • An estimated further 29 are scheduled for delivery 2021/2022.

• Beam lengths up to: 62m/200ft

THE AGE OF MEGA-VESSELS

TEU capacity in operation

• There are currently 71 vessels with 20 000 – 23 900

• Boxes stacked up to 10 high on deck, and span at least

에이치엠엠 알헤시라스 HMM ALGECIRAS

HOW IT WORKS • The process begins with a rigorous crane inspection followed by a feasibility and site study. • Design and modelling simulation ensures entire operation maintains rigidity of boom structure. • In most cases STS is relocated and gantry cable reel is disconnected. • The boom is cut, new boom extension is located, aligned and welded. • New rails are installed and welded to the existing ones. • Boom is lifted.

cracks

will prolong the life of the crane by between 1-2 million

- Can identify weak points and

• Service larger vessels at reduced

cost and environmental impact

• Broader appeal to shipping

• Reduced risk of collision with

• Option to upgrade to modern

vessel elements (radar, antennae

etc.), and reduced insurance cost

environmental, health and safety

- movements.
- Crane is relocated back into operations and the gantry cable reel is reconnected.

- Modification of the front stay if necessary - Welding new rails - Relocating limit switches and lighting system.

• Included in Scope:

WHAT YOU NEED TO KNOW

- Moving the crane from quay to a site area and vice versa - Change of traveling and boom ropes

• The crane will be out of operation for an

• Not Directly Included in Scope:

 Optional Additions This is an optimal time to perform additional enhancements with no additional time delay.

- STS raising

average of 3-4 weeks.

- Spreader trim, list and skew - Snag load protection
- SELECTED REFERENCES

regulations • The crane is rigorously inspected prior to boom extension, this process:

BENEFITS

customers

- Reinforcement of these points

- Boom collision prevention - Gantry collision prevention

- Electrical drive modernization

- Crane monitoring system

Year

2017

FCT | St Petersburg



MORE INFO

CONTACT US

Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. The Group has more than 16,000 employees at 600 locations in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

Customer/Location Quantity

3

FCT / St Petersburg

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