

BIG SHIPS=BIG CRANES

Case study on attracting main line vessels to your port with single hoist tandem





DP WORLD
London Gateway

Quay Cranes

- ***100 ton cranes***
- ***25 row out reach***
- ***Single hoist tandem***





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Big cranes to work big vessels-FAST

London
Gateway

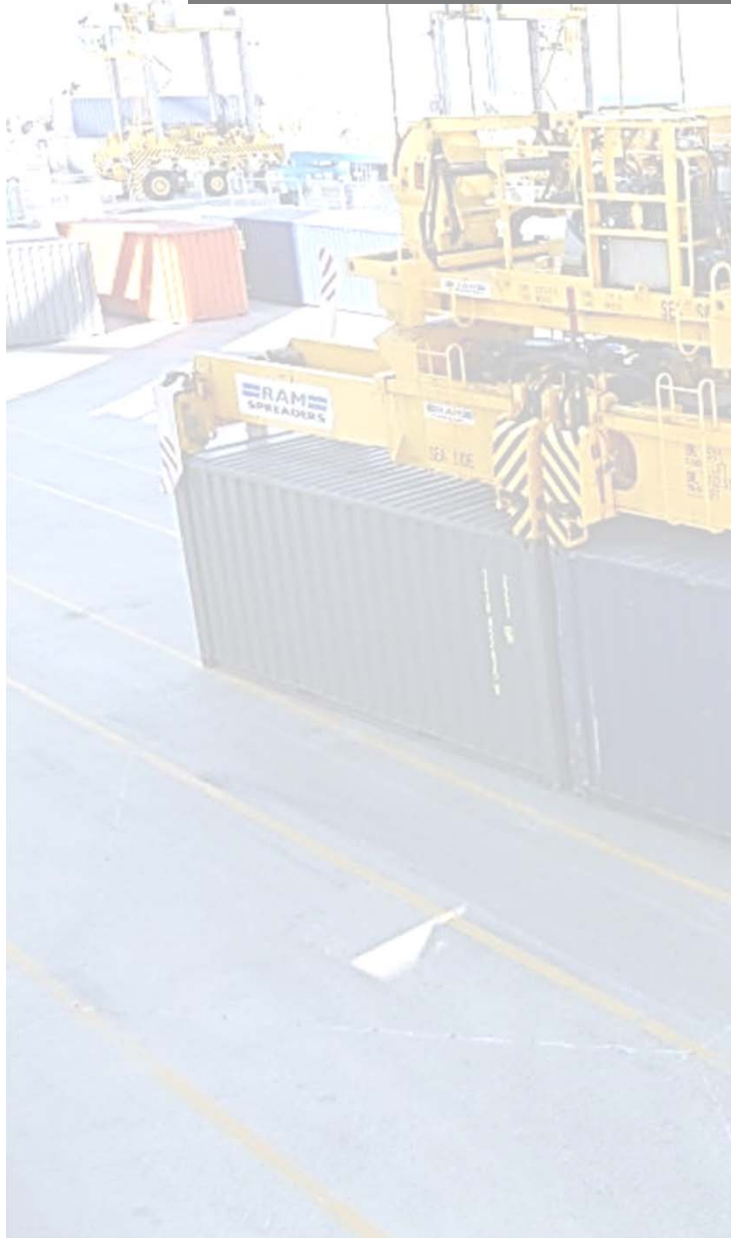
Edith Maersk Largest Ship Ever on The River Thames

"The arrival of the Edith Maersk is a historic moment. This is one of the world's largest ships and the biggest ever to enter the Thames."

Simon Moore, CEO



Single Hoist Cranes With Tandem



RAM
SPREADERS

Performance Through Innovation



DP WORLD
London Gateway

Tandem Spreader



- First in the world to use single hoist tandem with twin 40ft capability
- The RAM Singflex Twin 40 Headblock system
- Key aspect of this system is the ability to quickly change from single to tandem in a matter of minutes all done by the driver. No need for outside intervention
- Spare spreader on slave headblock in crane docking station on front legs

Productivity

Quadruple lifts at London Gateway

Andrew Bowen, engineering director said: “By introducing the tandem lift for two forty foot containers to our operations, we will be able to improve productivity that will allow vessels to be turned around faster and cargo to move on to its final destination more efficiently.”

“This is an excellent example of DP World innovation at London Gateway. We’ve engineered a system that allows us to double the number of containers we move safely and quickly.”

“By introducing the tandem lift for two 40ft containers to our operations, we will be able to improve productivity that will allow vessels to be turned around faster and cargo to move on to its final destination more efficiently.”

The culture at DP World London Gateway encourages us to innovate and improve supply chains and we look forward to continuous improvements in the future.”

Reliable

Design and Construction

- *Designed to international DIN 15018 standard (H2-B4)*

- *Robust machinery and structure to withstand the constant demands of typical container handling operations.*

Quality Components

- *Quality components sourced from internationally recognized manufacturers*

- *Components specifically selected for the arduous duty normally encountered in container handling operations*

New business

CMA CGM announces services from West Africa to DP World London Gateway

We are delighted to be able to serve CMA CGM and we are very pleased they have chosen our state-of-the-art port for their West Africa service.

In addition to the existing weekly call by the Southern Africa Europe Container Service, Hamburg-Sud and Hapag Lloyd have recently announced the transfer of services to London Gateway in May, to include services to and from South America East Coast, South America West Coast and India, Pakistan and Middle East.

System features

Single or Multiple Containers

- *Can handle:*
Single 20ft/30ft/40ft/45ft ISO containers

Or alternatively

2 x 40ft / 2 x 30ft / 4 x 20ft ISO containers

(subject to spreader capability)

Auto Change Over

- *Single spreader to twin spreader and visa versa*
- *Change over performed in under 2 minutes*

System features

Headblock System Facilities

- *Crane operator can adjust gap, skew angle and full gap adjustment*
- *Skew and offset capability, longitudinal offset between spreaders and containers*
- *Designed to accommodate a height differential between containers being handled*

System features

Electrical Control

- *Electrical control of headblock functions from crane operators cab via a Gateway linked into cranes controller*
- *Gateway consist of a PLC and ASi master to communicate with the headblock via a 2 wire bus system (ASi)*

Testimonial

We are very happy with the product and its performance. We are the only terminal in the UK able to do tandem operation and with this product we will be able to deliver world class productivity. We have worked very well with the team at RAM. They have been very responsive in optimising this new product and making operations work very efficiently”

“This new SingFlex product is key to the high productivity being achieved at London Gateway. The confidence we have in this product is why we have ordered more for our new Berth 3 quay cranes. London Gateway will continue to lead the way in new and more efficient technology..”

Andrew Bowen, Engineering Director, London Gateway



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Further examples

APM



Further examples

Dubai



RAM
SPREADERS

Capital comparisons

**The cost of SingFlex
is less than 2%
of the capital cost of a crane!**

SingFlex benefits



Flexible – single or tandem headblock mode.



Low capital



Reliable



Proven



Thank You

Contact us:
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