



FOR IMMEDIATE RELEASE

21 January 2013

**MAJOR NEW
ROTTERDAM WORLD GATEWAY
ORDER AWARDED
TO BROMMA**

52 Yard Spreaders for Major Dubai Ports World Automated Terminal

Stockholm-based Bromma, the world leader in crane spreaders, has won a major new order for the supply of 52 yard spreaders to the new Dubai Ports World-led Rotterdam World Gateway terminal. The order, for spreaders which will be fitted to automatic stacking cranes, is one of many major new contracts that Bromma has won over the past year for the supply of spreaders to automated terminals. First in spreaders for automation, Bromma now has more than 400 crane spreaders on order or in service at automated terminals around the world.

Bromma has a full range of spreader solutions for container terminals, and in the case of the DPW Rotterdam World Gateway automated stacking crane project Bromma will be supplying YSX45 single-lift hydraulic spreaders. The spreaders will be delivered with a headblock which is automated through micro-motion. The Rotterdam World Gateway (RWG) terminal is due to begin initial operations starting in July 2013, with all 52 Bromma spreaders delivered on site to RWG by September 2014.

Unmatched Experience in Spreaders for Automated Operations

Automated terminals require highly reliable spreader performance, which is why Bromma has won a long series of 2011-2012 automated terminal orders in addition to the **52 spreaders headed to the Rotterdam World Gateway**, including:

- 20 YSX45E crane spreaders for service on automated stacking cranes at the **London Gateway** in England -- operational later in 2013
- 34 YSX45E crane spreaders for service on automated stacking cranes in **Khalifa, Abu Dhabi, United Arab Emirates** – now operational
- 10 YSX45E crane spreaders for service on automated stacking cranes at the **TraPac terminal** in **Los Angeles, California (USA)** -- operational later in 2013
- 40 YSX45E crane spreaders for service on automated stacking cranes at **Hutchison Port Holdings Terminal Catalunya (TERCAT)** in **Barcelona, Spain** – now operational

- 22 YSX45E crane spreaders for service on automated stacking cranes to **Global Terminal and Container Services** in **New Jersey (USA)** -- operational later in 2013

“We are pleased to have been awarded this strategically important Rotterdam World Gateway order,” says Vikram Raman, Vice-President and Commercial Director at Bromma. *“An automated terminal is no place to experiment with a spreader, and so we are gratified that leading new transshipment centres continue to choose Bromma spreaders to achieve their productivity goals.”*

New Orders for Bromma Container Weight Verification Technology

Bromma has also just won orders for the supply of container weight verification from the spreader twistlocks to the DPW Brisbane, Australia terminal and the London Gateway project. Bromma’s spreader twistlock CWV technology approach has several advantages over alternative solutions, including:

- Weighing from the spreader twistlocks yields much more accurate information, as container weight precision is greater than 99%.
- Unlike weigh bridges or crane-based container weighing, spreaders weigh each container separately when operating in twin-lift mode. When a Bromma spreader lifts two 20’ containers or two 40’ containers at a time, the spreader can provide highly accurate data on the weight of each separate container, and without any of the variables (fuel, driver) associated with the weigh bridge approach.
- Finally, with a spreader-based approach you weigh containers from the spreader twistlocks without adding any extra operational steps or requiring any extra space or transit lanes. Terminals simply log container weights in the normal course of lifting operations – with a warning system alerting the terminal to overloaded and eccentric containers. Container weight verification during the normal course of terminal operations is a way to accomplish the weighing mission without impairing terminal productivity, and especially at busy transshipment terminals.

Bromma technology also offers a special technical advantage in its mounting of spreader-based container weight verification technology. On some spreaders, such as those supplied by Bromma, the load cell is mounted externally, locked with easy access to the spreader twistlocks. This means load sensors may be exchanged independently of the twistlocks. The result of this design advantage is that new load sensors are not needed when twistlocks are periodically replaced.

About Bromma

Headquartered in Stockholm, Sweden, Bromma is the world leader in crane spreaders. In more than 50 years of continuous operations, Bromma has delivered crane spreaders to 500 terminals in 90 nations on 6 continents, and Bromma spreaders are in service today at 97 out of the world’s largest 100 container ports. Bromma is the industry market leader in ship-to-shore spreaders, mobile harbor crane spreaders, and yard crane spreaders. A pioneer in the container handling industry, Bromma is focused

on lifting the productivity of its customers through more reliable spreaders, and Bromma's industry-leading all-electric **Greenline™** spreaders and recent **Green Zone™** port productivity applications such as **Roadmap™**, **Fleet Doctor™** and **Work Order™** are part of this continuing effort.

Bromma is part of the Cargotec organization.

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