

Improving the productivity of container terminals and shipping lines

- Faster vessel turn around.
- Empty and laden containers managed more efficiently.
- Reduced vehicle and crane movements.
- Lower emissions and increased sustainability.
- Improved safety on the quayside.



For more information call Selwyn Rowley on;

+44 (0) 1926 611700

or email;

selwyn.rowley@blokcontainersystems.com



BLOK Container Systems Ltd
5 Corunna Court
Warwick
CV34 5HQ
UK

T +44 (0) 1926 863 140

F +44 (0) 1926 863 141

E enquiries@blokcontainersystems.com

www.blokcontainersystems.com



THE BLOK CONTAINER HANDLING SYSTEM

Saving maritime trade \$ millions
while meeting **safety, sustainability**
and **emissions** goals.

SPREADER

TRAILER

RIG

CERT

SPREADER

TRAILER

RIG

CERT

SPREADER

TRAILER

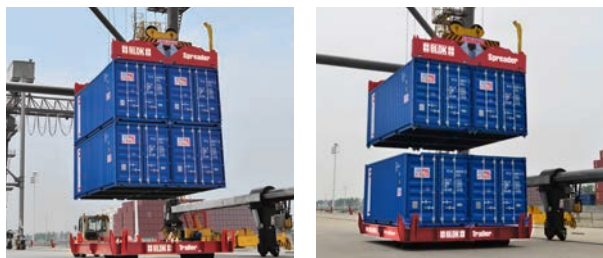
RIG

CERT

TAKING CONTAINERISATION TO THE NEXT LEVEL - SYSTEM & PRODUCTS

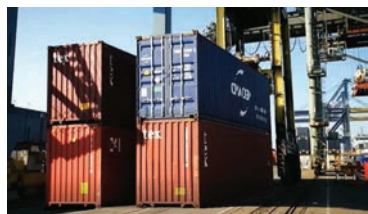
Multiple container handling is the key to faster handling and reduced emissions

System Operations



With Trailers

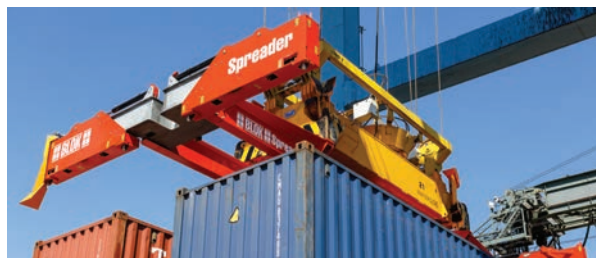
- Empty containers are formed into BLOKs of four
- Assembled two containers high off quay using special jiggling trailers
- **BLOK Trailers** move 8 TEU of containers as one unit
- Horizontal Tandem Lift (HTL: two containers side by side) or Vertical Tandem Lift (VTL: one container above another) with two pairs making a BLOK of four
- **BLOK Rig** for automatic fitting and removal of twistlocks
- **BLOK Cert** in association with **BLOK Rig** for verifying safe VTL operation
- **BLOK Spreader** lifts 4 containers VTL or 2 containers HTL
- **BLOK Spreader** operates above deck and below down cell guides



With Straddle Carriers

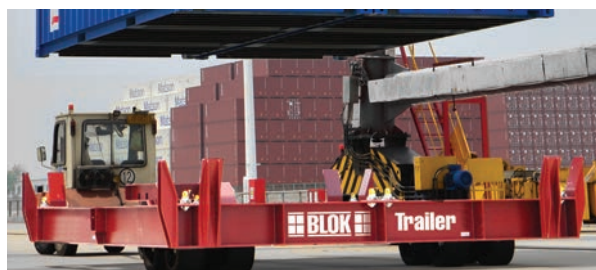
- Assembled for HTL or VTL
- Each Straddle Carrier moves 1 container or 2 in VTL
- **BLOK Rig** for automatic fitting and removal of twistlocks
- **BLOK Cert** in association with **BLOK Rig** for verifying safe VTL operation
- **BLOK Spreader** lifts 4 containers VTL or 2 containers HTL
- **BLOK Spreader** operates above deck and below down cell guides

Products



BLOK Spreader - Autonomous Single Spreader Adaptor

- Pick up with main spreader ready for use in fewer than 30 seconds
- Controlled by the crane driver via a familiar graphic screen and screen linked to cameras
- Lift 2 Empty Containers in HTL
- Lift 4 Empty Containers in VTL
- Cell Guide compatible
- Hatch cover compatible - adjustable width settings
- Straddle Carrier compatible extending 1.6m gap between containers



BLOK Trailer - 1 driver, 8 teu

- Efficient movement of BLOKS of empty or laden containers
- Fast location of containers from STS cranes (no need to align 2 trailers)
- Moves empty containers in Vertical Tandem Lift (VTL) without toppling
- Loads Horizontal Tandem Lifts (HTL)

BLOK Rig

- Automatic twistlock fitting
- Semi-automatic twistlock removal
- Manual placement of twistlocks on Rig
- Located on ground, or on standard roll-trailer
- All container sizes and weights, HTL or VTL
- Compatible with Straddle Carriers, Side Lifters, RTGs, RMGs, Reach Stackers and STS Cranes



For VTL Certification with BLOK Cert

Automatically:

- Fits intermediate twistlock
- Proof tests top container and twistlocks for VTL lifting

BLOK Cert

- A patent applied for system
- Certifies that a pair of empty containers together with their four twistlocks can be lifted safely in VTL

