



TOC Asia – TECHTOC

Optimizing port operations: the advantage of mobility

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KONECRANES

Mobile harbor cranes

- Self-contained
- Self-propelled
- Rubber-tired
- Multi-purpose

Stevedoring crane for

- loading and unloading vessels
- in 24/7 duty-cycle operation
- of any kind of cargo
- in any kind of port





Advantages in comparison to purpose-build equipment

- Lower initial investment costs
- Shorter delivery times
- High flexibility in handling any kind of cargo
- Great mobility to travel on the terminal
- Excellent resell opportunity

Mobile harbor cranes are perfectly suited for

- start-up and developing companies
- smaller and medium-sized ports
- multi-purpose as well as specialized terminals

Mobility in the terminal

- Rubber-tired chassis with excellent maneuverability
- Individually steered axles
- Reduced curve radii
- Crab steering for easy positioning
- Maintenance-free equalizer beams for even load distribution

The cranes are mobile:

- Traveling on the entire terminal
- Even on uneven terrain
- Also, easy re-locatable to other terminals



One serves all – for any kind of cargo

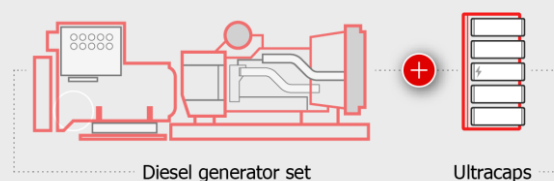
- Containers
 - Radii up to 64 m
 - Handling containers in 22nd row
- Bulk materials
 - Continuous-duty operation
 - Handling rates up to 2,200 tph*
- General cargo
 - Powerful lifting capacity curves
 - Simple change of lifting attachments
- Project cargo
 - Lifting capacities up to 200 t
 - Maximum 400 t in tandem-lift operation



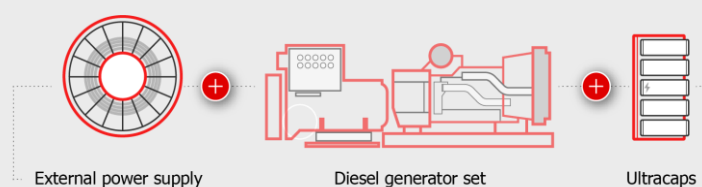
*Depending on conditions at site

The modular drive concept of Konecranes Gottwald Generation 6 Mobile Harbor Cranes

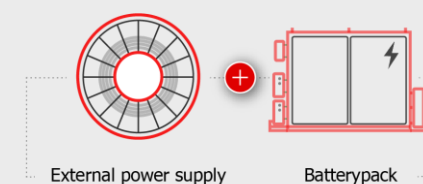
Fuel-optimized on-board drives



Eco-efficient external power supply



Sustainable all-electric drive



- For terminals without existing harbor mains infrastructure
- Modular on-board drive system combining diesel generator sets with Ultracaps to fulfill power demands of each crane model and application

- For terminals with existing harbor mains infrastructure
- Primary power from harbor mains
- Optional modular on-board drive system for fully unplugged crane operation

- For terminals with excellent harbor mains infrastructure (primary power)
- Battery pack instead of on-board diesel generator set for traveling and some crane operation

Summary

- Mobile Harbor Cranes offer a cost-efficient alternative to purpose-built equipment.
- Their mobility and versatility make them ideal for small to medium-sized terminals and for terminal start-ups
- The modular drive concept of Generation 6 Mobile Harbor Cranes provides a high flexibility where the customer can choose the most suitable drive solution for his operation.



Thank you!

Konecranes booth: B10, L3

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