SMARTER FROM EVERY PERSPECTIVE

Operations

RELIABILITY AND PERFORMANCE

- Commitment to root-cause support
- Active Load Control (ALC) for quick load positioning
- Service modularity applied for quick crane recovery
- All key components from industry-leading suppliers, no copies used
- Intelligent structure for excellent stability and improved duty cycle

Maintenance

EASIER, LESS FREQUENT MAINTENANCE

- Non-hydraulic design since 1995
- Solution synergy applied to reduce the amount of separate machinery and components (anti-sway, side shift, skew, trim and wheel turning)
- Service modularity applied for quick and less frequent maintenance (diesel engine, direct gantry and trolley drives, flange-mounted motors, direct rim access for quick tire change)
- Direct access to maintenance points

Driver

SAFETY AND ERGONOMICS

- 'All-in-Controllers' for absolute driver focus and uninterrupted load handling
- Safe crane access all the way to the top via rigid walkways and platforms. No ladders used
- Enclosed machinery
- Optional Konecranes DGPS autosteering based on effective RAAS technology

Finances

LOWEST LIFECYCLE COST

- Dedication to long-term partnership
- Equipment designed based on the Total Cost of Ownership approach
- No hydraulics enabling dramatic operational cost savings
- Low energy consumption (see Community)
- Fewer spares and less maintenance (see Maintenance)
- Higher performance for reduced cost/TEU (see Operations)
- Lower civil works investment due to intelligent structure that enables highest tolerance to yard surface variations

Community

ENERGY SAVER

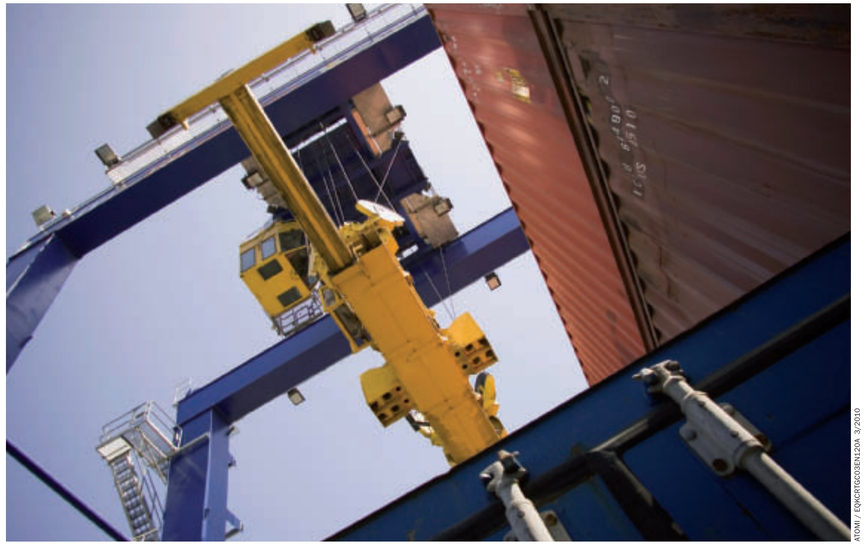
- No hydraulics
- Quick and precise load positioning without moving the weight of trolley or gantry
- Optimized equipment weight due to intelligent structure and trolley design
- Energy-saving Konecranes drives designed for crane use
- Cable reel alternative with regenerative power feedback for lowest local emissions
- Variable-speed diesel fuel-saving system for further emission reduction (option)

Terminal Manager

BEST PERFORMER IN EVERY RESPECT

- Quick truck turnaround times
- Quick STS service
- Safety a priority
- Lower emissions and cost

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 and machine tools of all makes. In 2008, Group sales totaled EUR 2,103 million. The Group has 9,600 employees, in 485 locations in 43 countries. Konecranes is listed on the NASDAQ OMX Helsinki Ltd (symbol: KCR1V).



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www.konecranes.com

INDUSTRIAL CRANES
NUCLEAR CRANES
PORT CRANES
HEAVY-DUTY LIFT TRUCKS
SERVICE
MACHINE TOOL SERVICE

CONTAINER HANDLING

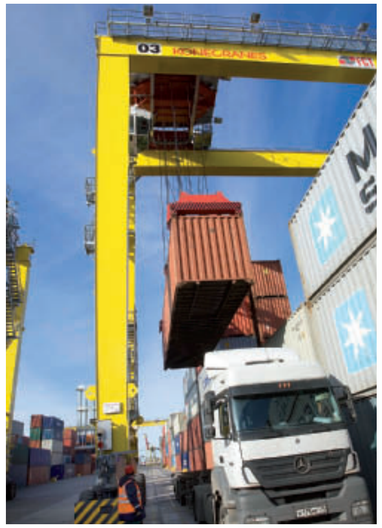
KONECRANES®
Lifting Businesses™

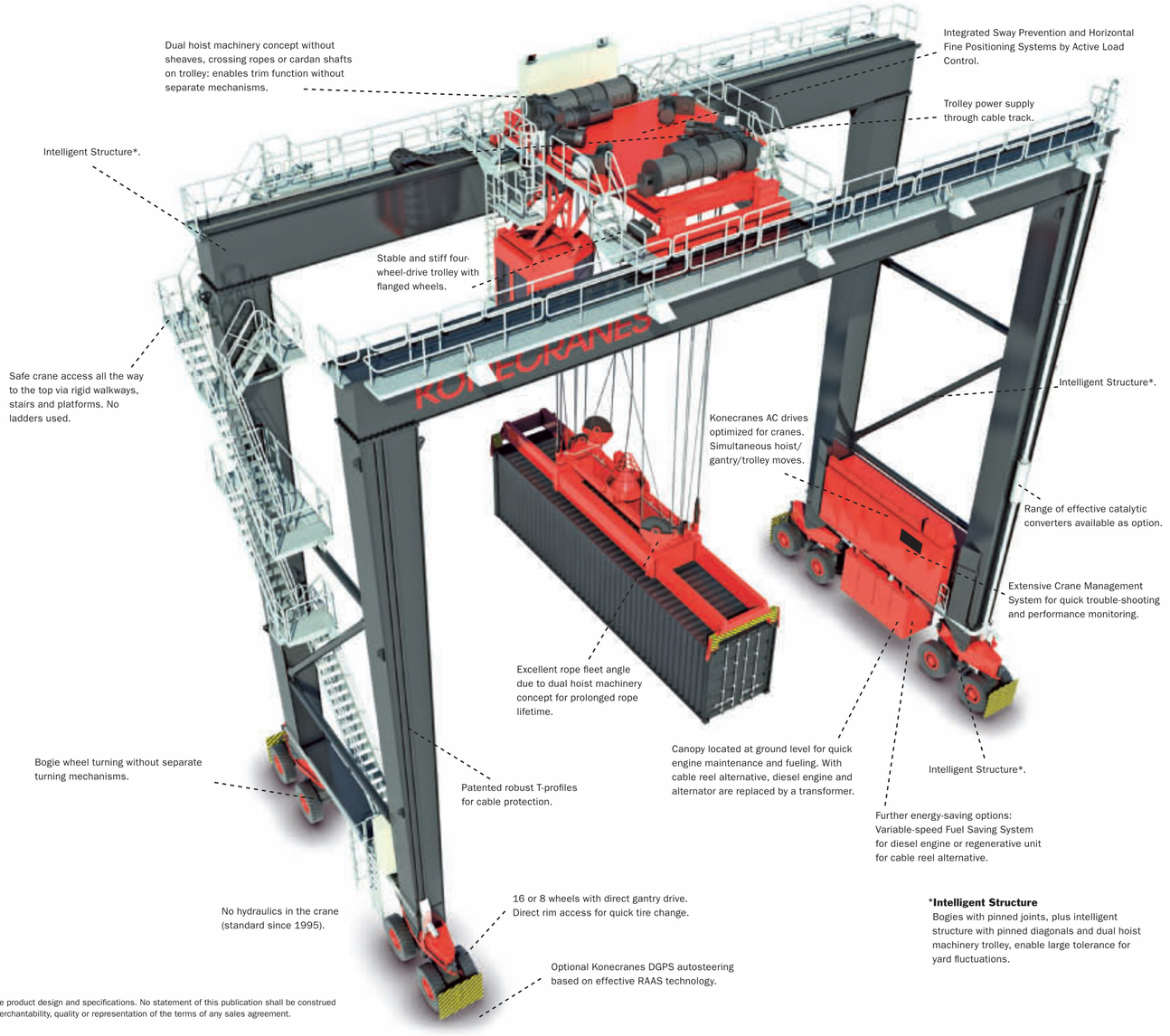
Rubber tired gantry crane

MORE BOXES WITH LESS ENERGY

THE ADVANTAGES REALLY STACK UP

The advanced non-hydraulic design builds on decades of experience in crane design and manufacturing. All key elements of value are included: high performance, reliability, easy and accurate steering, low operating costs and low energy consumption. The Konecranes RTG incorporates a number of innovation; the latest from in-house R&D, as well as features proven over millions of on-the-job hours at numerous container terminals worldwide.





***Intelligent Structure**
Bogies with pinned joints, plus intelligent structure with pinned diagonals and dual hoist machinery trolley, enable large tolerance for yard fluctuations.

ACTIVE LOAD CONTROL | RAAS READY DGPS TECHNOLOGY | NO HYDRAULICS
SOLUTION SYNERGY | SERVICE MODULARITY | INTELLIGENT STRUCTURE

DATA SHEET

Dimensions with max 1 over 6 and max 8+lane, mm	16 wheels	8 wheels
Max lifting height (1 over 6)/Max span (8 + truck lane)	21,500/29,500	21,500/29,500
Extension from leg centerline at diesel/crane access side	950/1,700	991/1,660
Outside/inside clearance at bogie and e-house level	Span±1500	Span+2016, Span-1076
Crane width over bogie guards/wheel spacing in a bogie	12,060/2,100	12,050/2,100

Speeds, max, m/min:		
Hoist with 50-ton load/empty spreader	31/62	31/62
Trolley traverse standard/optional	70/76	70/76
Gantry travel with empty spreader/50-ton load/Cross travel	135/90/50	135/90/50
Simultaneous hoist/trolley traverse/gantry moves possible	yes	no

Trolley	4-wheel drive	2-wheel drive
Type of anti-sway system included	by ALC	Electrical
Type of micro motions	by ALC	Spreader Side shift,
	up to 250 mm radius	optional
Skew/Trim angle, degrees	5/over 5	5/over 5

Bogies	8-wheels driven	4-wheels driven
Tire size/pressure, bar	14.00x24/9.5	18.00x25/9.5
Wheel load, tons with 1 over 5 and 6+lane, max load, no wind	15.9	30.5

Drives	Konecranes AC	Konecranes AC
Enhanced semi-automatic driver's assistance	included	included
Crane Management System (CMS)	InSQL industrial PC	InSQL industrial PC

Main Options for both 16/8 wheel	
DGPS Autosteering/Container Positioning Systems	With RAAS Technology
Variable-speed diesel engine with Fuel Saving System	With readiness for energy storage
Cable reel power supply instead of diesel engine/alternator	3 phase, 50/60 Hz, 1–20 kV