

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

CONTAINER HANDLING

KONECRANES[®]
Lifting Businesses[™]

Rail mounted gantry crane **WIDER INTERMODAL HORIZONS**





Konecranes
Rail mounted gantry crane

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
- Modular automation upgrades available

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 and trim)
- Service modularity applied for quick and less frequent maintenance (direct gantry and trolley drives, flange-mounted motors)
- Direct access to maintenance points

Driver

SAFETY AND ERGONOMICS

- 'All-in-Controllers' for absolute driver's focus and uninterrupted load handling
- Safe crane access all the way to the top via rigid walkways and platforms. No ladders used
- Enclosed machinery

Finances

LOWEST LIFECYCLE COST

- Dedication to long-term partnership
- Equipment designed based on the Total Cost of Ownership approach
- No hydraulics, meaning 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 enabling highest tolerance to yard surface variations

Community

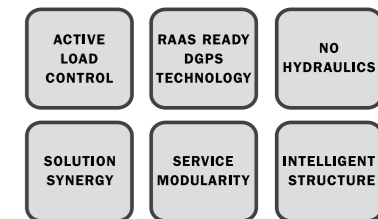
ENERGY SAVER

- 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
- Regenerative power feedback for lowest energy consumption and emissions

Terminal Manager

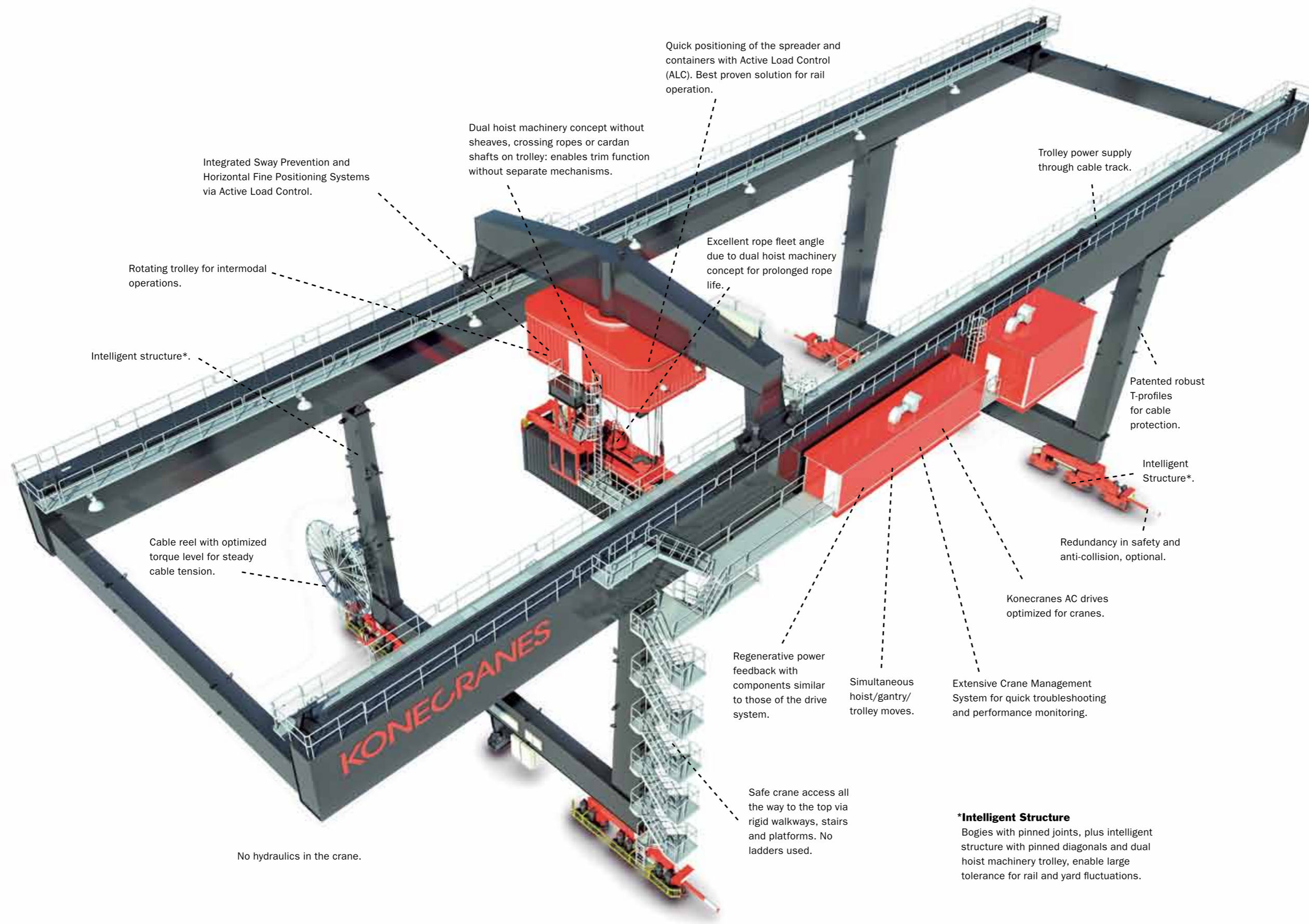
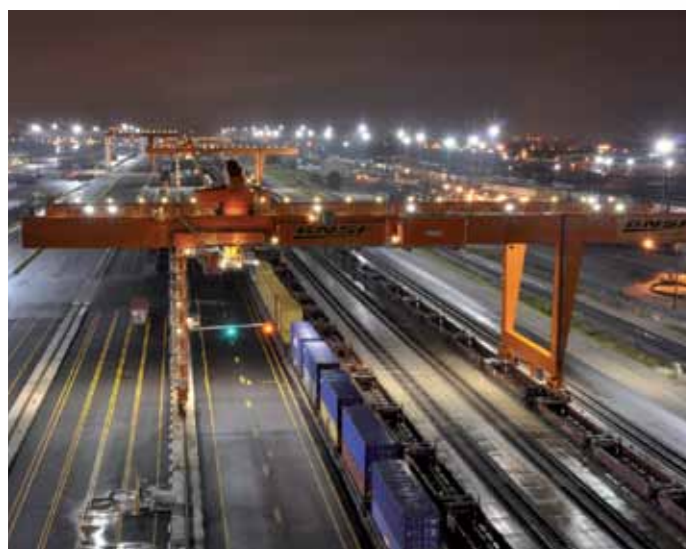
BEST PERFORMER IN EVERY RESPECT

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



LIFTING HEAVY, STANDING LIGHT

The new design of RMG cranes with Active Load Control builds on decades of experience in crane design and manufacturing. The new RMG technology provides all of the key elements of value: high performance, reliability, stable operation, 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.



DATA SHEET

Dimensions, mm	Max. 50 tons under spreader
Max lifting height (1 over 6)/Max span	21,000/50,000
Cantilevers	Up to 15,000 mm on one or both sides
Speeds, max, m/min:	
Hoist with 40-ton load/empty spreader	45/90
Trolley traverse standard/optional	70/76
Gantry travel with 40-ton load/empty spreader	140/150
Simultaneous hoist/trolley traverse/gantry moves possible	yes
Trolley	4-wheel drive
Type of anti-sway system included	by ALC
Type of micro motions	by ALC
	up to 250 mm radius
Skew/Trim angle, degrees	5/over 5
Spreader	
Standard positions, ft	20, 30, 40, 45
Special positions	twin twenty, long twin, WTP
Connection to head block	twist lock or pin
Bogies	up to 8 wheels/corner
Wheel size, mm	∅ 630. 1360 spacing
Wheel material	Surface-hardened chromium-molybdenum steel
Cable reel power supply	Electricity 3 phase: 50/60 Hz, 10–15kV
Options	
Semi automation	
Rotating Trolley, max. skewing	2 rpm



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HEAVY-DUTY
LIFT TRUCKS




SERVICE



MACHINE
TOOL
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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 2009, Group sales totaled EUR 1,671 million. The Group has 9,800 employees at 545 locations in 43 countries. Konecranes is listed on the NASDAQ OMX Helsinki Ltd (symbol: KCR1V).

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