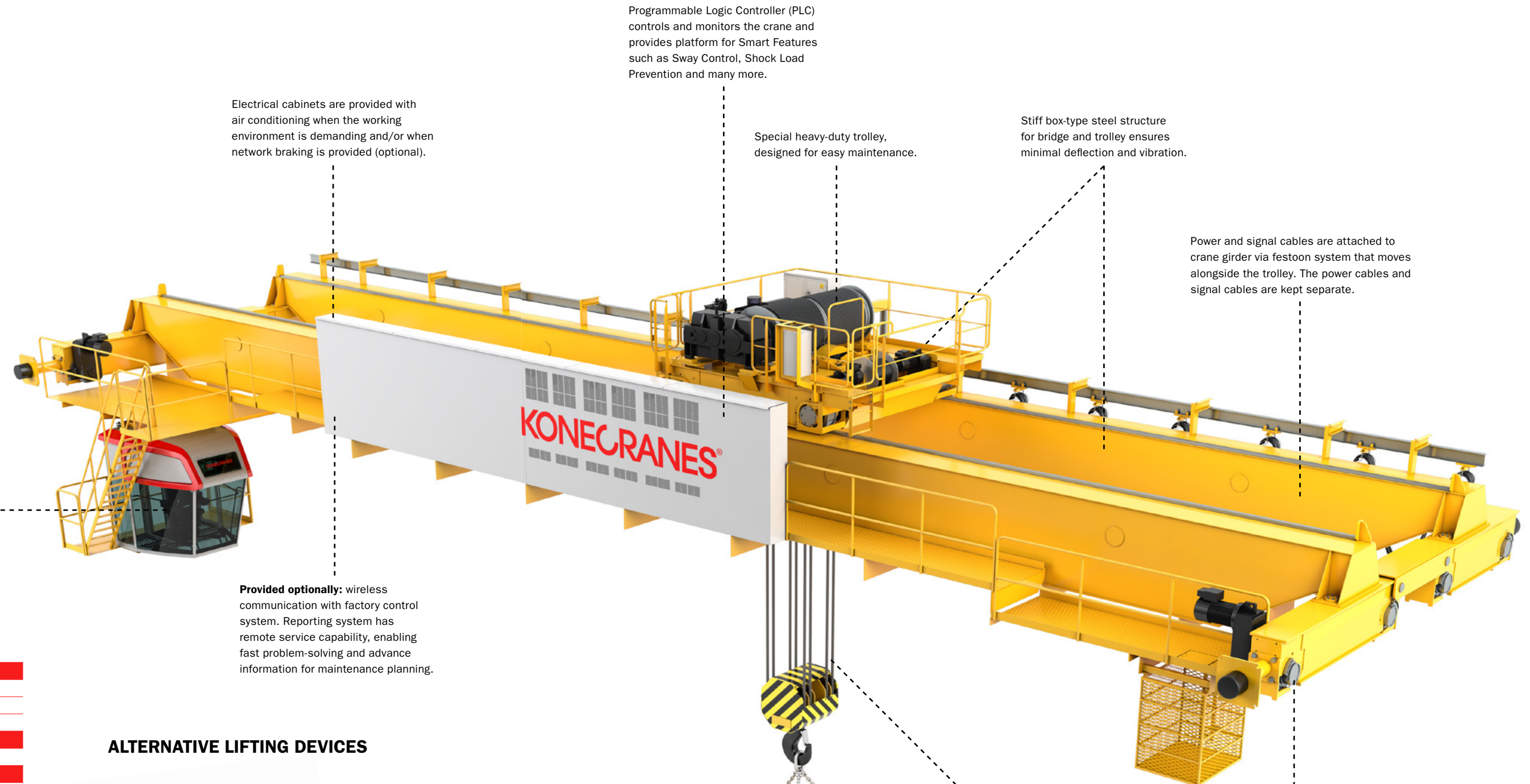


SCRAP HANDLING CRANES

Scrap handling cranes work in the scrap yard, loading scrap into buckets that are transported to the melt shop. These cranes are typically high-duty, high-speed cranes. Special attention is paid to the crane operator's environment because of the high dust, noise and vibration levels that are typical in the scrap yard environment.



Smarter cabin (optional) provides much improved visibility with a window area increase of 60% and improved ergonomics and comfort.

Electrical cabinets are provided with air conditioning when the working environment is demanding and/or when network braking is provided (optional).

Programmable Logic Controller (PLC) controls and monitors the crane and provides platform for Smart Features such as Sway Control, Shock Load Prevention and many more.

Special heavy-duty trolley, designed for easy maintenance.

Stiff box-type steel structure for bridge and trolley ensures minimal deflection and vibration.

Power and signal cables are attached to crane girder via festoon system that moves alongside the trolley. The power cables and signal cables are kept separate.

Provided optionally: wireless communication with factory control system. Reporting system has remote service capability, enabling fast problem-solving and advance information for maintenance planning.

Heavy-duty hook block for safer, reliable attachment of lifting devices.

End-carriages/bogies are heavy-duty, with surface-hardened wheels.

ALTERNATIVE LIFTING DEVICES

Magnet



Fast swapping of lifting devices.

Grab



	Tailored heavy-duty crane	Typical
Classification		
Working cycles (EN13001-1)	Up to 8 million	1–2 million
Load spectrum (EN13001-1)	Up to Q5	Q4–Q5
FEM 1.001 3rd edition / year 1998	Up to M8	M7–M8
Trolley		
Type	Tailored open winch	Tailored open winch
Lifting devices		
Attached with hook	Grab/Magnet	Magnet
Attached with rope	Grab/Magnet	
Lifting capacity		
Maximum capacity	Tailored	12–40 tons
Main dimensions		
Span	Tailored	20–35 m
Lifting height	Tailored	8–20 m
Speeds		
Bridge travel speeds	Tailored	60–140 m/min
Trolley traversing speeds	Tailored	30–80 m/min
Hoisting speed with nominal load	Tailored	10–40 m/min
Electrical systems		
Bridge power supply	Conductors	Conductors
Trolley power supply	Festoon	Festoon
Motor control system	Konecranes Variable Frequency Drives (VFD)	Konecranes VFD
Electrical braking	Regenerative network braking units	Resistors
Control		
Manual	Cabin/Radio	Cabin
Automated		
Monitoring		
Event history recorder in Programmable Logic Controller (PLC)	Standard	Standard
Crane Monitoring System	Option	Option