



Digital Camera-Monitor-Systems

FOR CRANES

Lattice boom crawler cranes

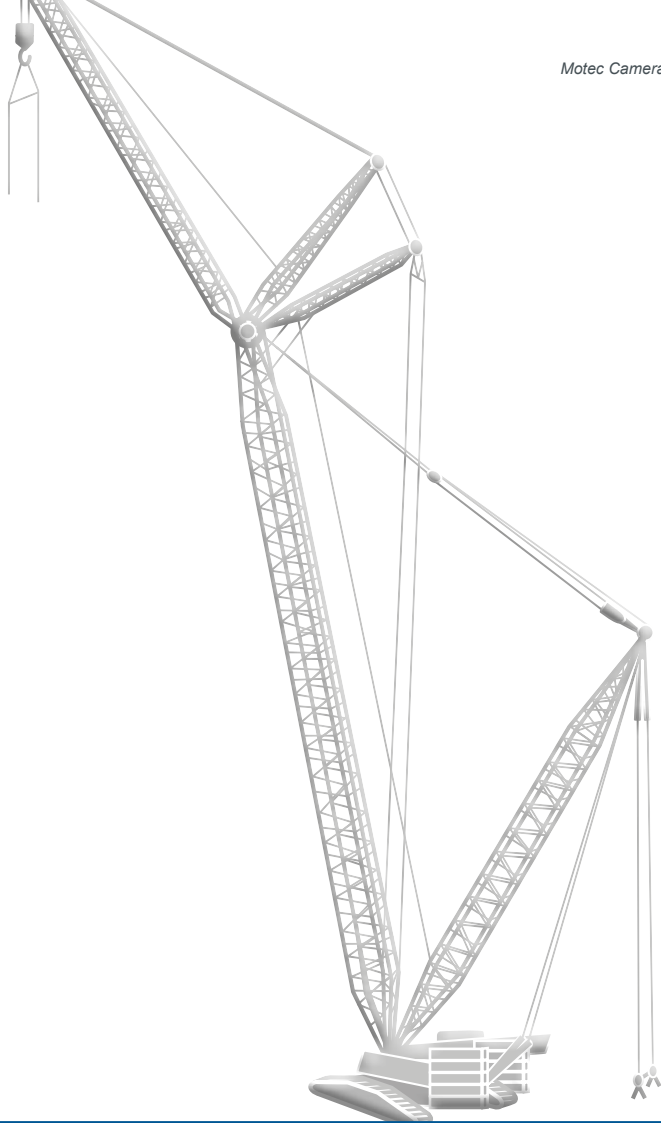
LOAD HOOK, WINCH AND ROUTE MONITORING

Machine downtimes due to collision or slack cable formation cause unnecessary expenditures in time and money. Camera and monitor systems boost efficiency and reliability of the work processes and reduce costs.

The operator can remotely observe the load hook, the route and the winch. The quad monitor displays all images simultaneously, enabling the driver to see all danger zones at any given time.

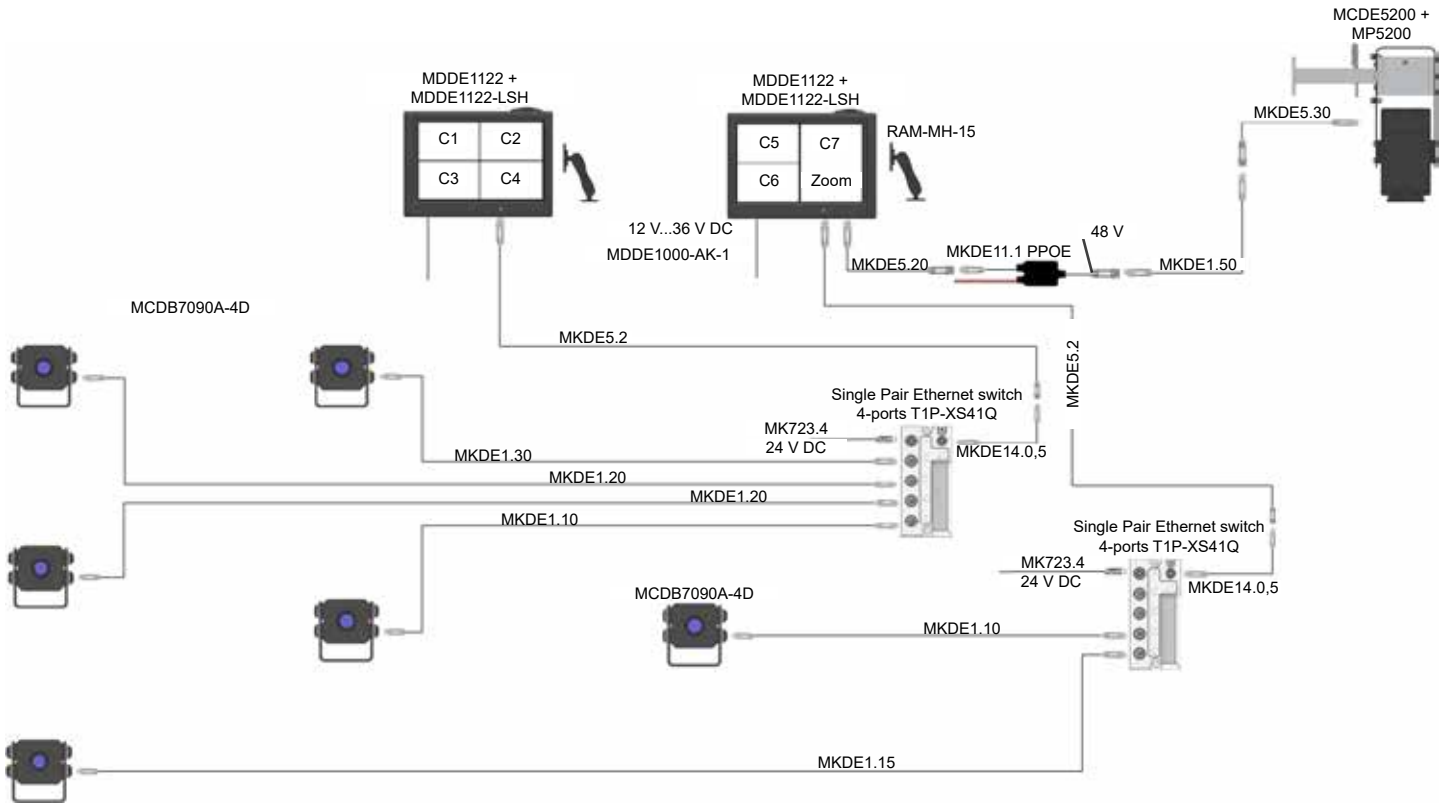


Lattice boom crawler crane deployed in the installation of a wind power station.



EXAMPLE

MCDB7000A BroadR Reach camera	MDDE1002 Digital 12" monitor	Single Pair Ethernet Switch	MCDE5200 Digital motor zoom camera
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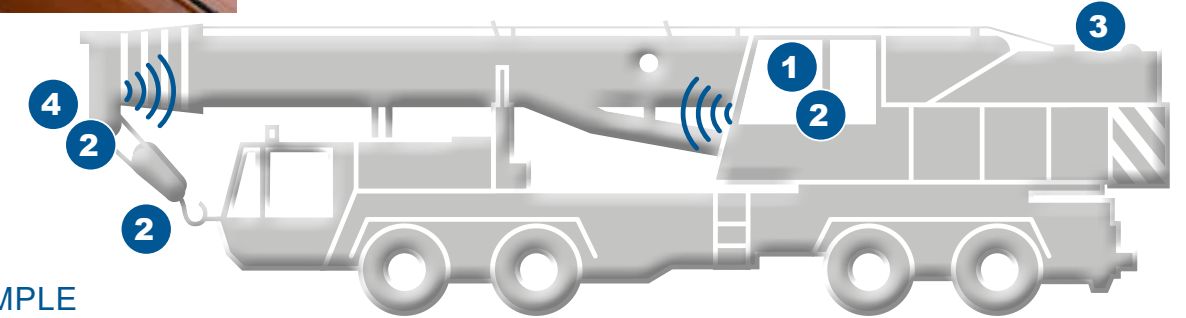
TELESCOPIC CRANES SAFELY MOVING LOADS

Telescopic cranes frequently operate beyond one's field of vision, making the operator dependent on signals by colleagues. By using a camera and monitor system and a special motor zoom camera with pendulum mounting at the telescopic boom, the operator can act without needing a signaller and, furthermore, has an unrestricted and constant view of the load.

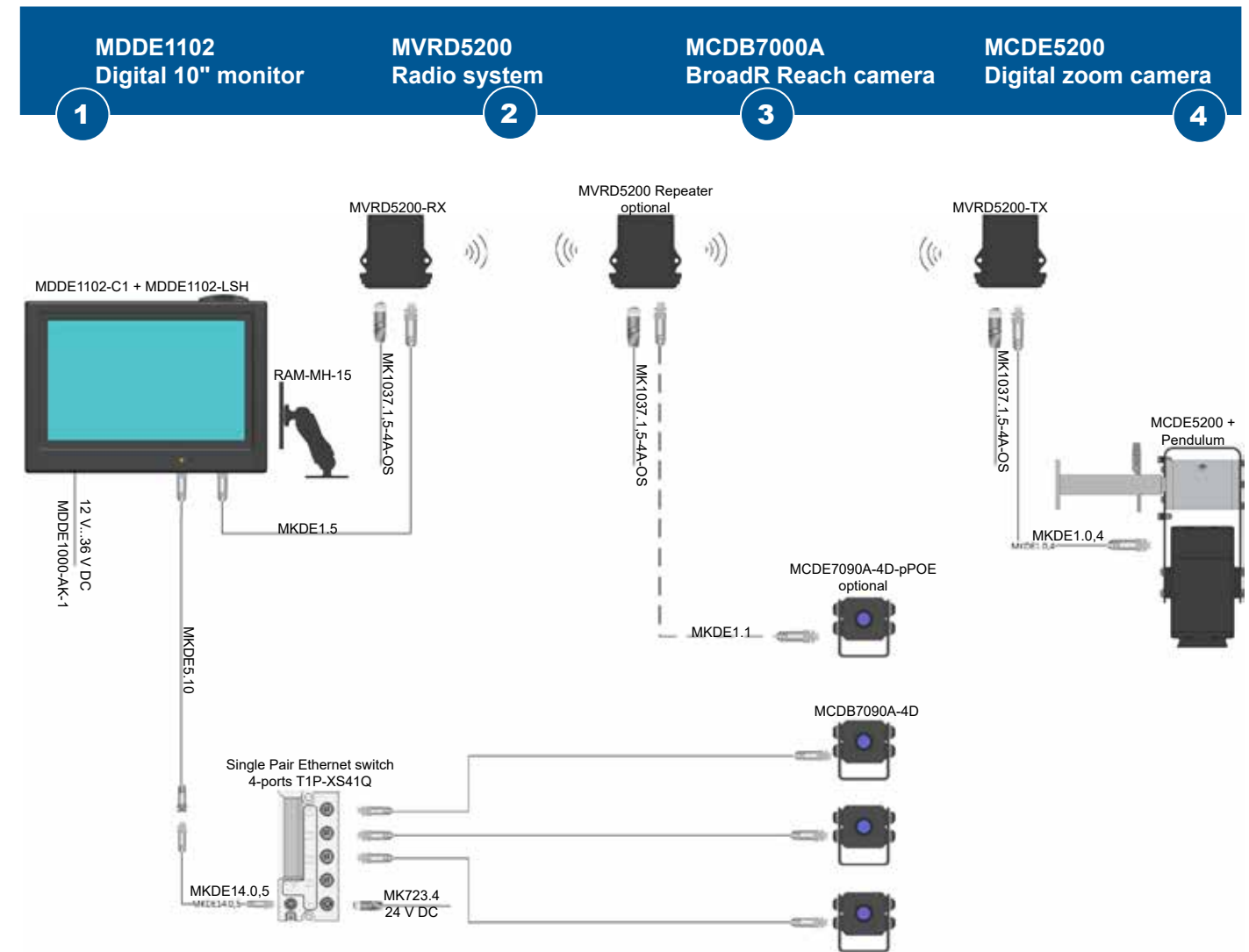
One or two additional heavy-duty cameras increase safety when starting or manoeuvring the equipment.



MVRD5200 radio system on a mobile crane



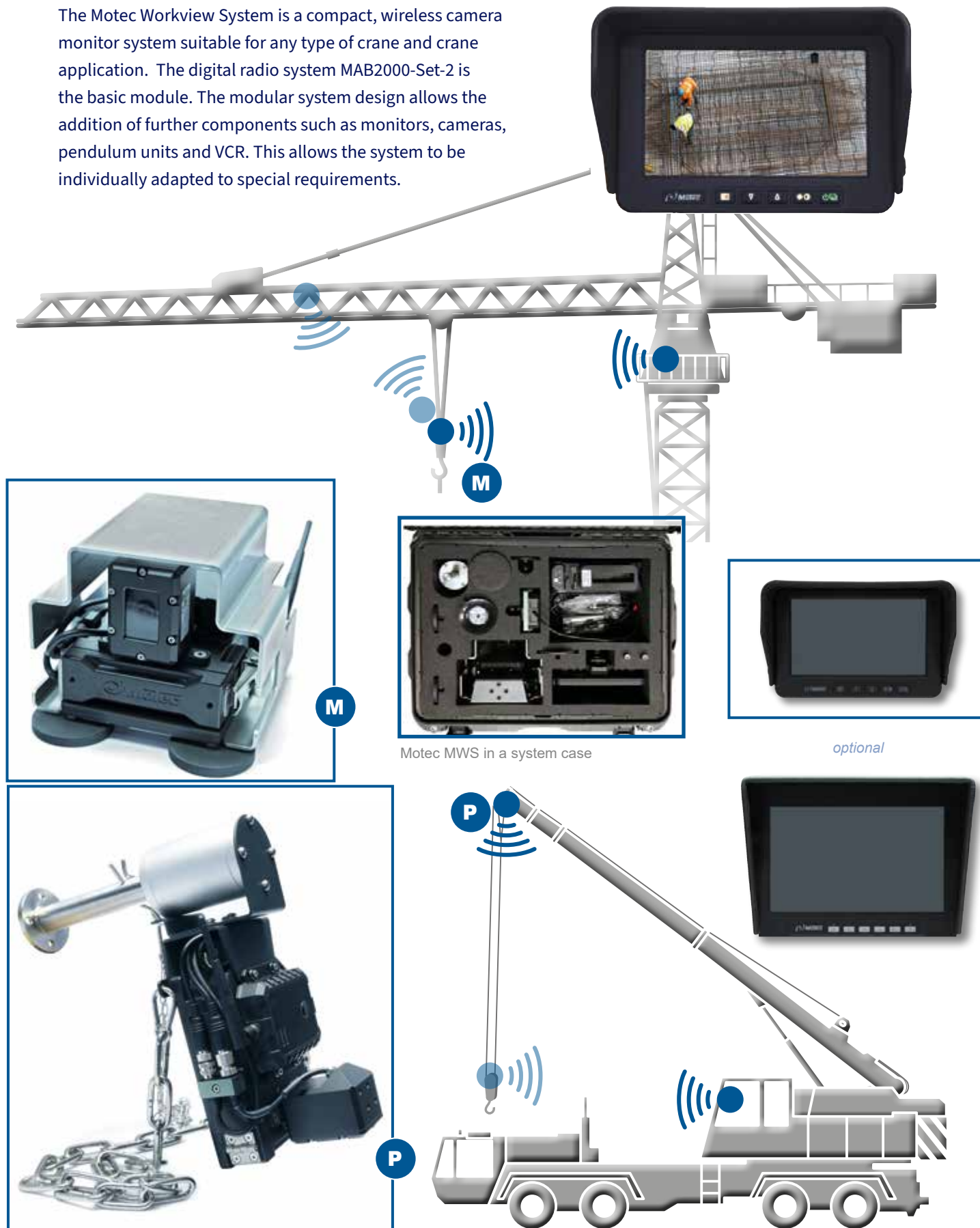
EXAMPLE



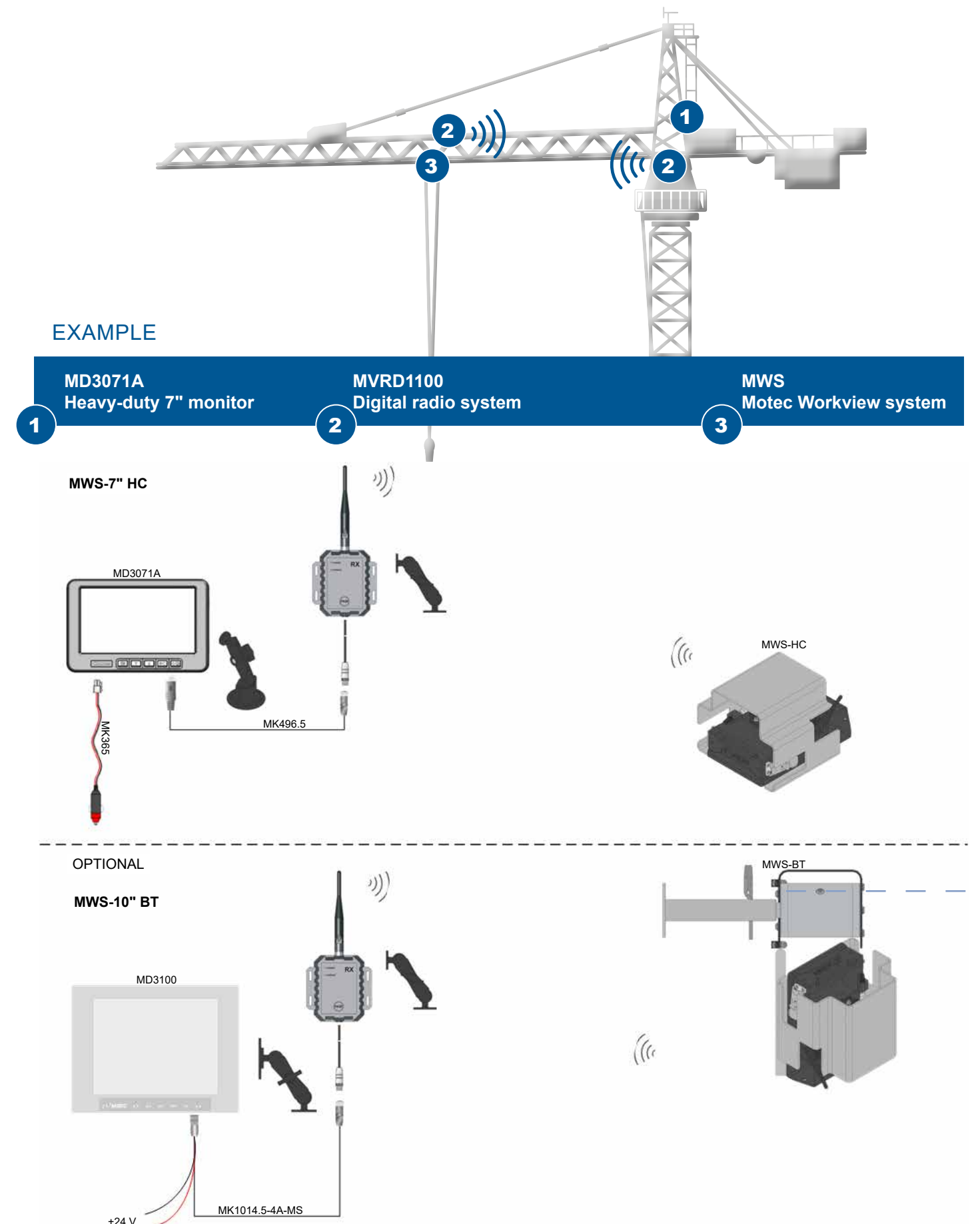
MWS – Motec Workview System

WIRELESS CAMERA MONITOR SYSTEM

The Motec Workview System is a compact, wireless camera monitor system suitable for any type of crane and crane application. The digital radio system MAB2000-Set-2 is the basic module. The modular system design allows the addition of further components such as monitors, cameras, pendulum units and VCR. This allows the system to be individually adapted to special requirements.



EXAMPLE



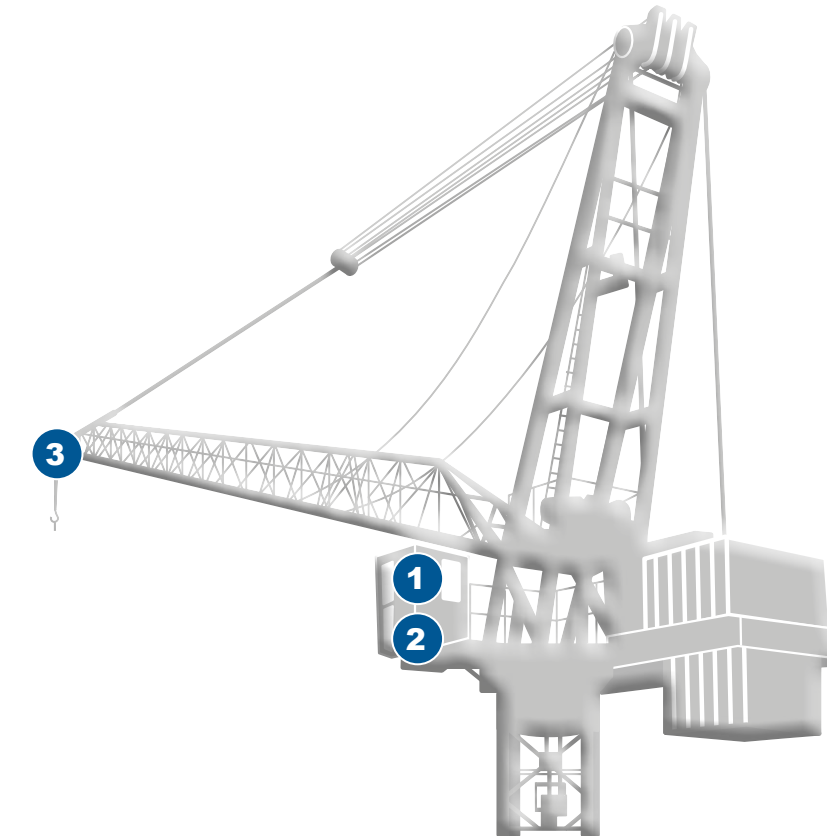
Luffing Tower Crane

THE LOAD ALWAYS IN SIGHT

Operators of of slewing tower cranes are far removed from the load they move and are dependent on signals by colleagues.

By using a camera and monitor system and a special motor zoom camera, the operator can act without needing a signaller and, furthermore, has an unrestricted and constant view of load and destination.

Due to the adjustable setting angle of the jib, the crane requires that the holder be flexible. Thanks to a pendulum mounting concept, the camera will always be vertical.

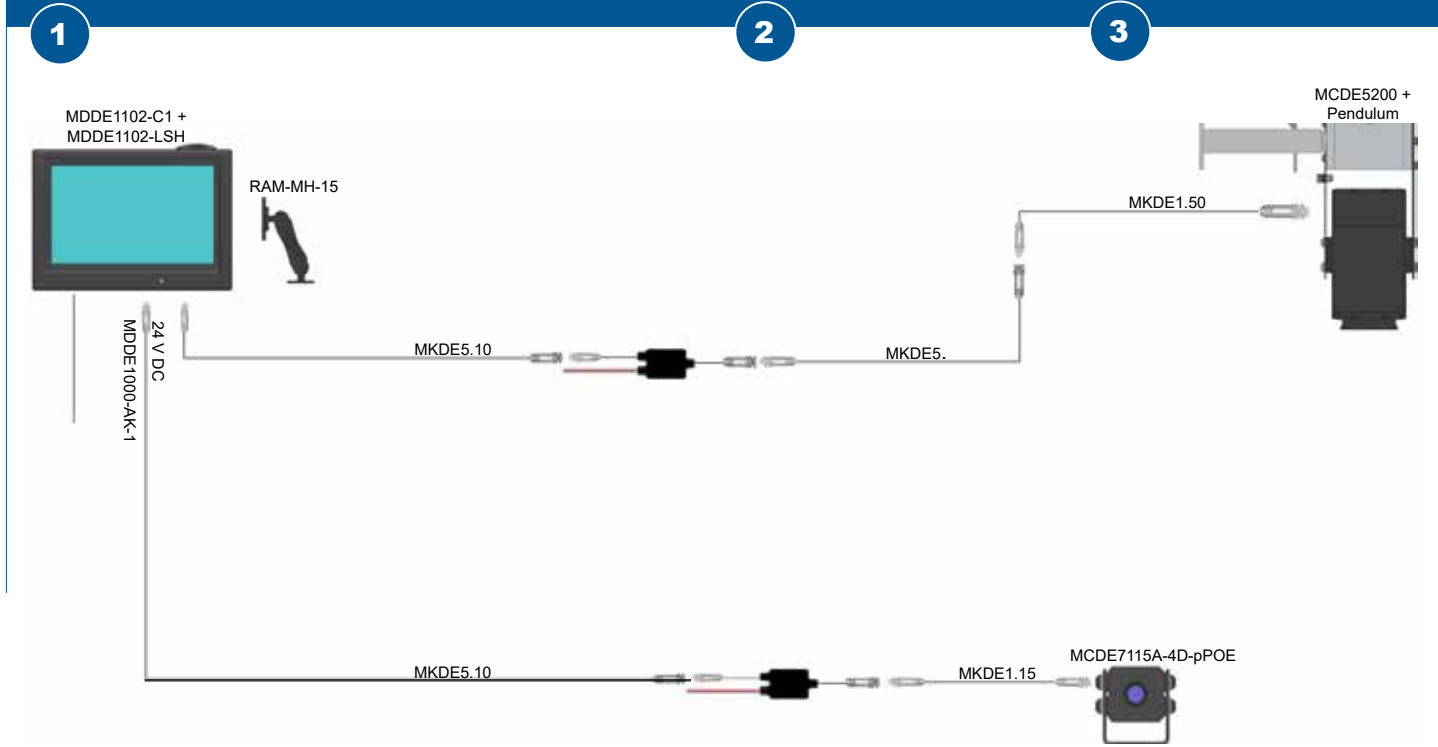


EXAMPLE

MDDE1xx2
Digital 10" monitor

MCDE7000A
Ethernet camera

MCDE5200
Digital zoom camera

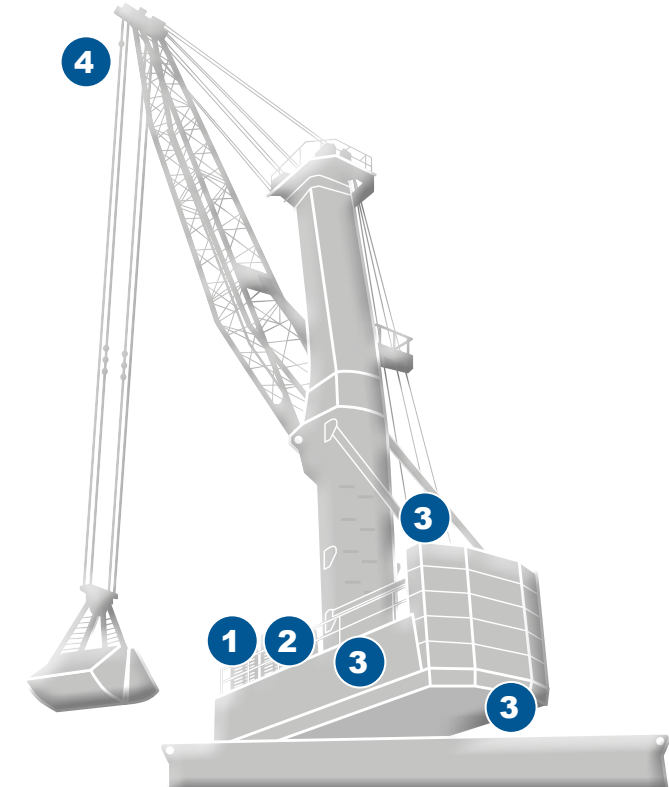


Mobile harbour cranes

CAN BUS-CONTROLLED DIGITAL CAMERA SYTEMS

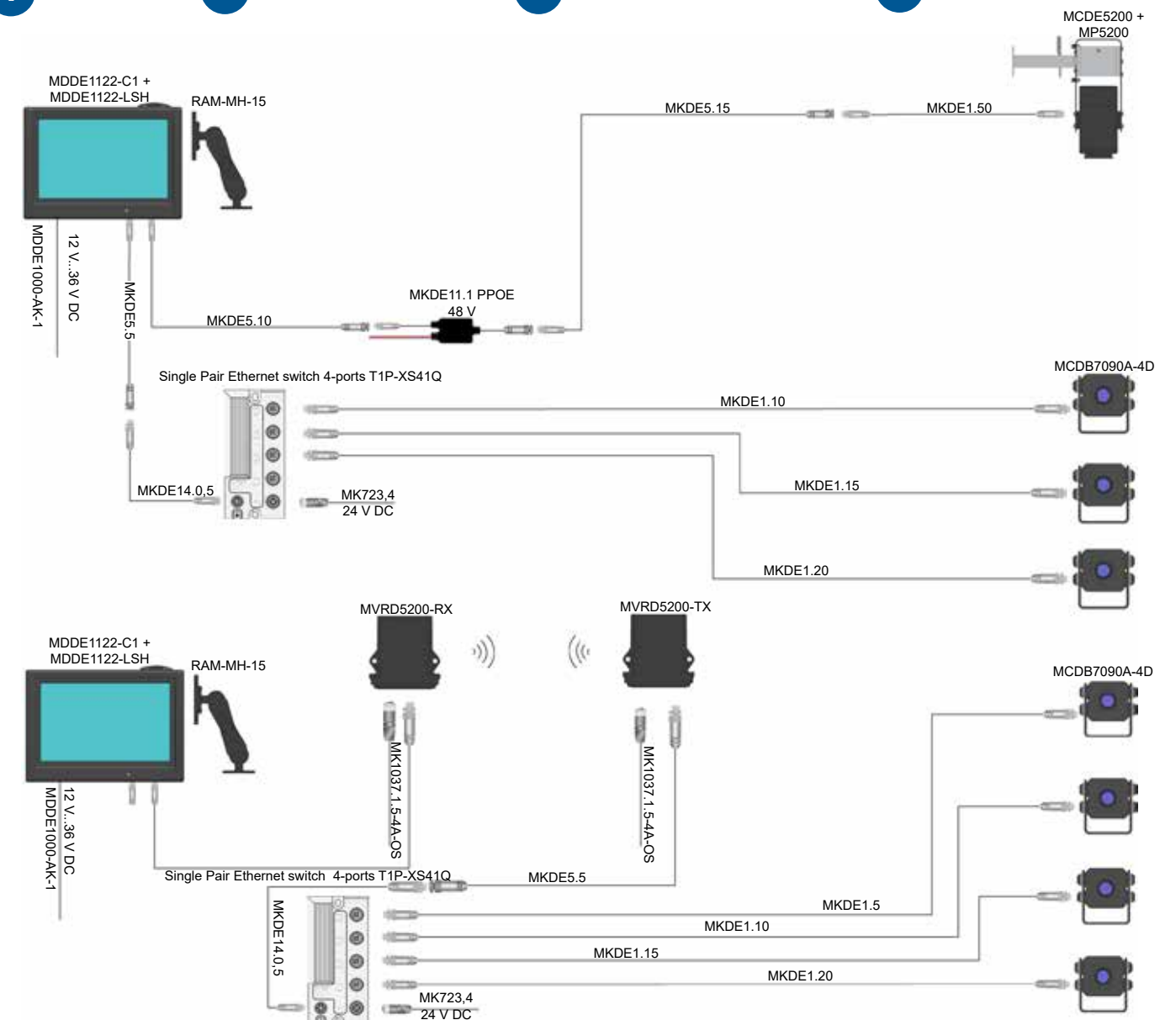
The demands on mobile harbour cranes and material handling equipment are very high. They must work quickly and without causing damage, despite poor visibility and, sometimes, with little space to manoeuvre. Under such conditions, the crane operator must not lose sight of the hooked load, distances to the ship's hull, the position of other containers and objects and, where required, the rear space.

An intelligent and expandable camera and monitor system optimally supports the crane operator in these issues and thus ensures efficient and cost-saving operations.



EXAMPLE

1	2	3	4
MDDE1102 Digital 12" monitor	MVRD5200 Radio system	MCDE7xxxA BroadR Reach camera	MCDE5200 Motor zoom camera



Bridge crane

ENHANCED VISIBILITY AND REAL TIME MONITORING

Bridge cranes often operate in large and complex environments where visibility can be limited. Motec's Ethernet camera system provides operators with a clear view of the load, surrounding area, and any potential obstacles, improving situational awareness.

By allowing operators to see blind spots and monitor the area around the crane, a camera system helps to prevent accidents and injuries, especially in warehouses. It enables better decision-making when manoeuvring loads, reducing the risk of collision with personnel or equipment.

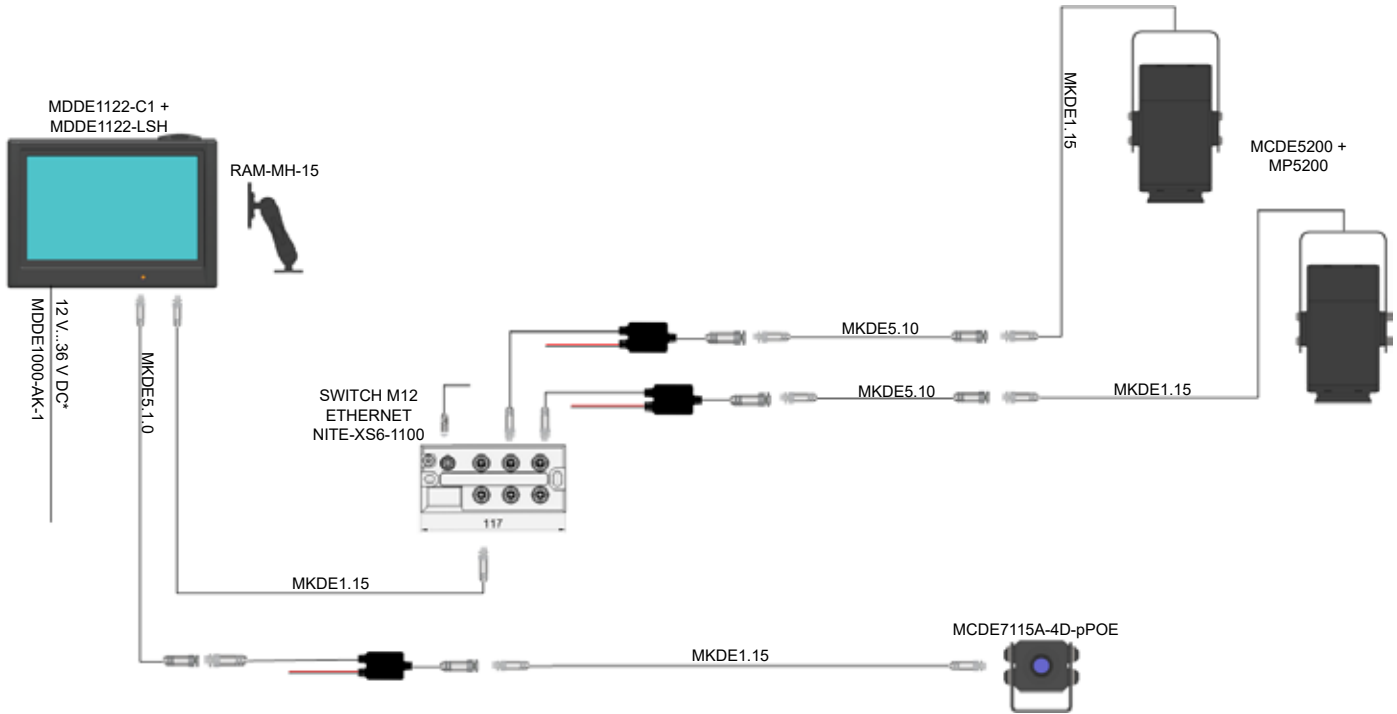


Motec camera and monitor systems can be mounted on any type of crane.



EXAMPLE

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|--|---|-------------------------------------|--|
| MDDE1122
Digital 12" monitor | SWITCH M12 Ethernet
NITE-XS8-1100 | MCDE7XXXA
Ethernet camera | MCDE5200
Digital motor zoom camera |
| 1 | 2 | 3 | 4 |

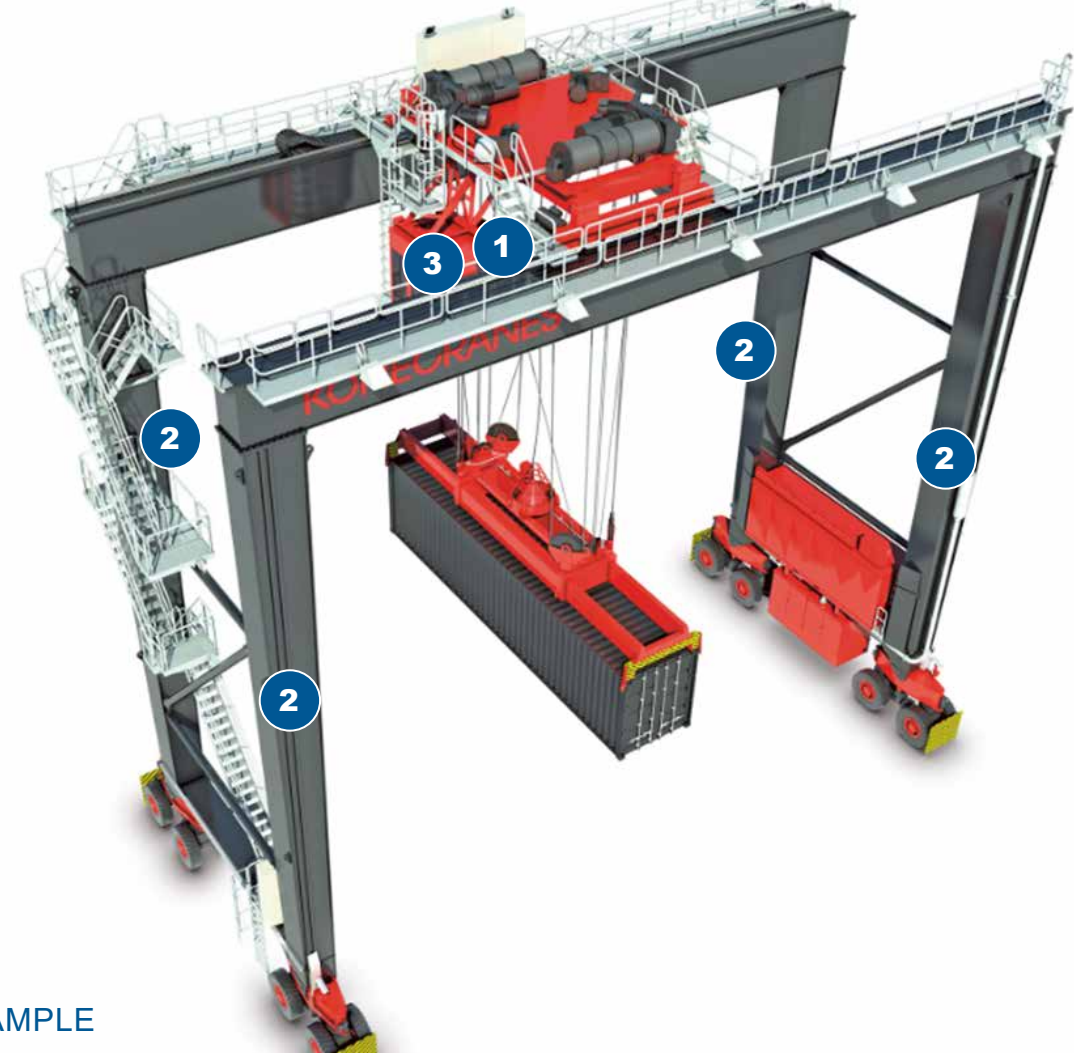


Gantry crane

HIGH-QUALITY VIDEO TRANSMISSION

Motec's Ethernet camera systems provide high-resolution video feeds, ensuring that operators have a clear and detailed view of the work area, which is crucial for safe and efficient operations.

The ability to transmit video over Ethernet allows for real-time monitoring of the crane's operations. This enables operators to make immediate adjustments and respond quickly to any potential hazards.

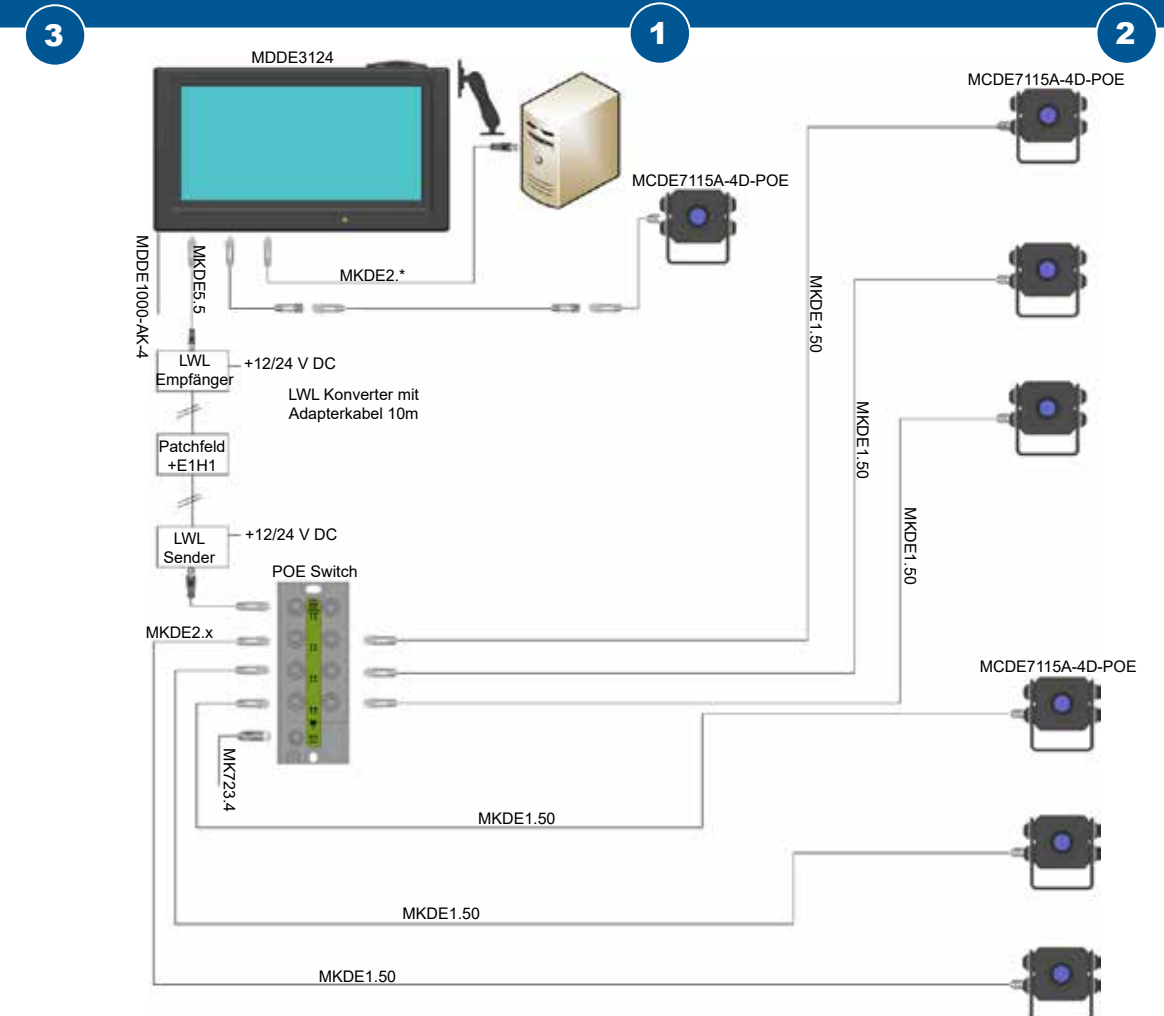


EXAMPLE

MDDE3124
12.3" smart monitor

SWITCH M12 Ethernet
NITE-XS8-1100

MCDE7000A
Ethernet camera





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