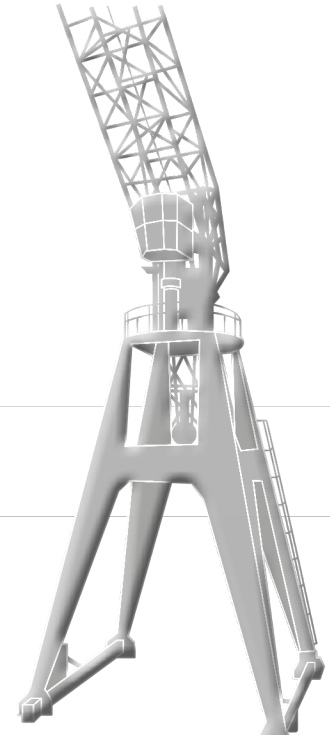


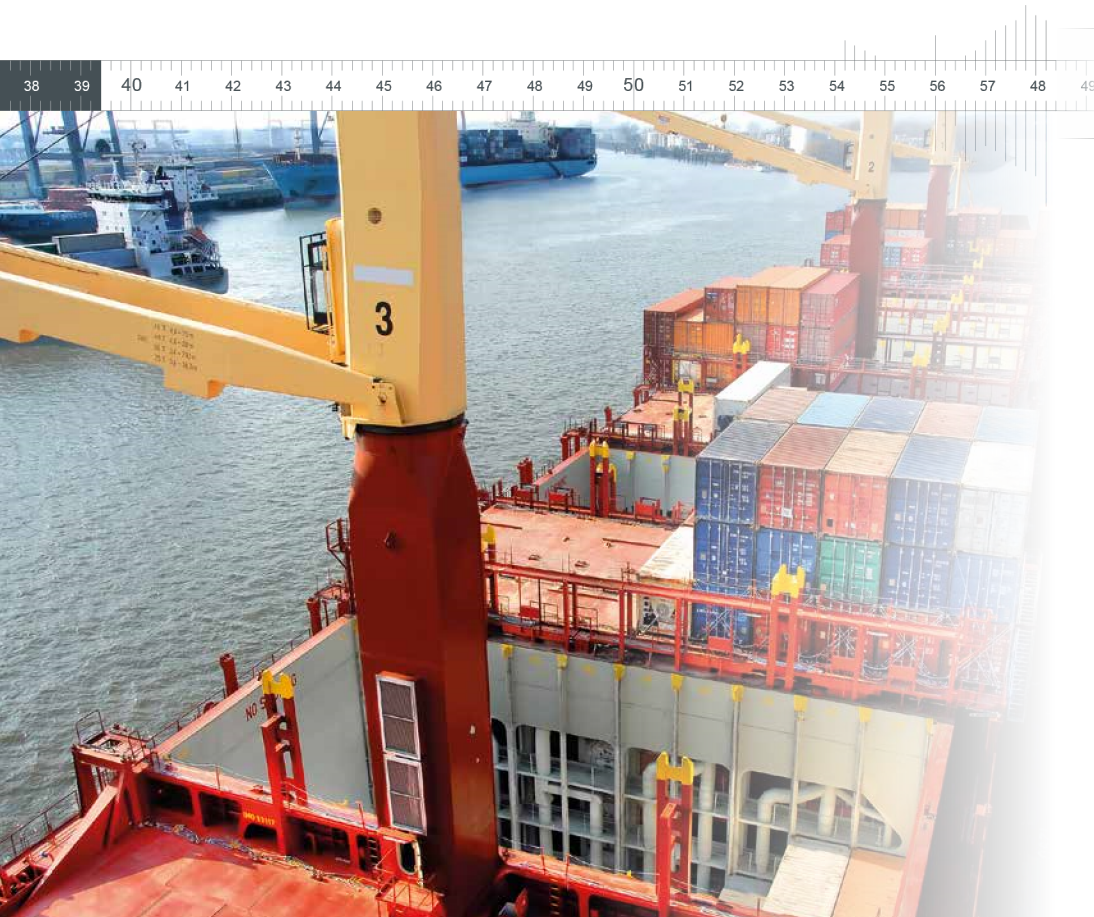
Ship cranes

Quick and safe material handling

Dock charges in the harbour are very high. Hence, the key factor in material handling is time. Camera and monitor systems support efficient working processes. Thanks to a motor zoom camera, the crane operator can constantly observe the loads even when they are placed in the hull. The zoom feature allows monitoring the danger zone during slewing.



Container handling with twistlock cameras increases the efficiency of ship cranes.



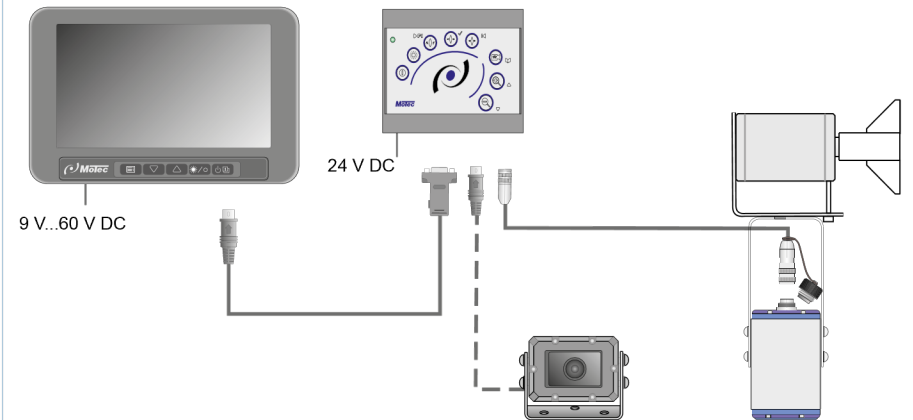
EXAMPLE: Ship crane

- 1

MD3071A
Heavy-duty monitor
- 2

MBE5200-1
Operator control module
- 3

MC5200-1
Heavy-duty motor zoom camera



Offshore cranes

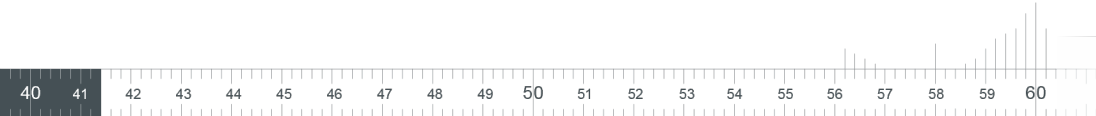
Safe material handling in explosion-protected areas

Offshore cranes are often subject to particular safety requirements. For them to efficiently and safely operate on high seas, they must be fitted with suitable equipment such as an EX-protected heavy-duty camera.

Expensive downtimes due to incorrect reeling in and out, slack cable formation or diagonal tension of the cable can thus be avoided.

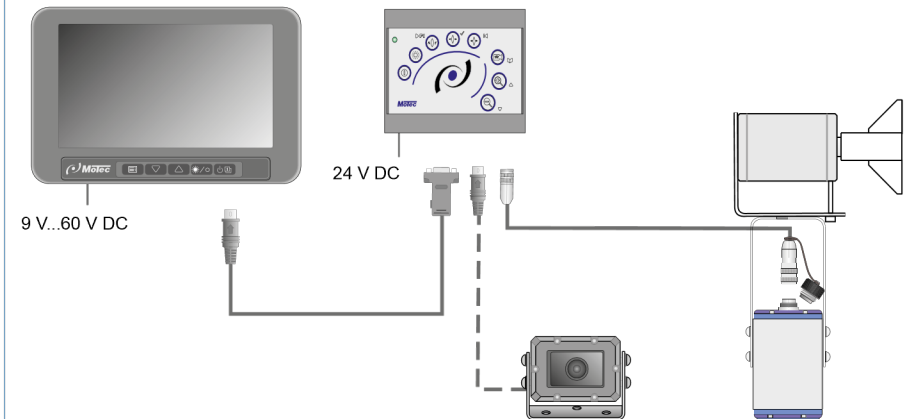


Offshore structure on open sea. Camera and monitor systems provide more precision in crane movements.



EXAMPLE: Offshore crane

- 1 MD3071A
Heavy-duty monitor
- 2 MBE5200-1
Operator control module
- 3 MC5200-1
Heavy-duty motor zoom camera

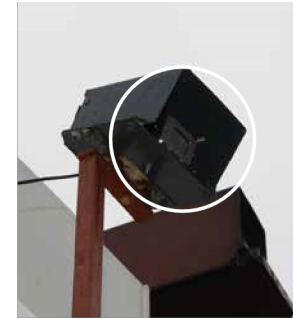


Floating dredgers

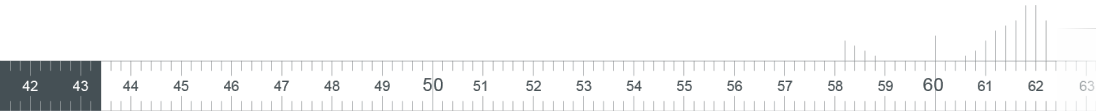
Special solutions for offshore applications

The demands of floating dredgers on a camera and monitor system are high with regard to system complexity and material strength. All system components are individually adapted and matched for the specific requirement.

Special cables are used to send the images monitoring the lifting unit, the spiral drill, the engine chamber and the anchoring to one or several monitors. Safe and efficient operation is thus assured.



Stationary "Pirate X" cutter suction dredger off the coast of Lower Saxony. Fitted with a Motec camera and monitor system for monitoring cable winch winding, for example.



EXAMPLE: Floating dredgers

