

Eyes in the sky

Tower crane



Vision is
our Mission



High eyes on tower cranes

Whether a tower crane is mobile or stationary, it always plays an important role in the (construction) building process. The crane holds a central position on the construction site and must cover large areas of the building area below. Even though the crane operator sits high up in the sky, he is still not always able to view his entire working area. As the construction work progresses, the operator's visibility decreases, and thus making him more and more dependent

on the instructions given to him through a Porto phone by the banksman. However Orlaco's eyes positioned high in the sky will give the operator the necessary relief. The load view camera mounted on the trolley looks vertically downwards right on top of the hook. The colour monitor inside the crane cab gives operator full visibility on the position of the hook at all times. The operator can, if necessary, zoom in for an even more detailed image. It is all possible!



Research confirms the benefits

Tests done on a construction site have proven that cranes performing "blind" operations with the use of an Orlaco camera system, work 21% faster than cranes operating without the system. The crane operator is able to work more efficiently as he is able to move his load to the designated area with fewer instructions from the banksman on the ground. Experience in the field also shows that when a camera system is used, the load can be lifted much more accurately. The system enables the crane operator to "read" the sway of the wire rope and better predict what the end position of the lifting block will be.





Increased safety

The crane operator can see immediately on his monitor when a lifting operation could possibly become dangerous. He can take immediate action and therefore help minimise accidents on the construction site. There is also a far lesser chance of any misunderstandings occurring between the crane operator and the banksman as the camera system makes it possible for the operator to verify the instructions from the banksman.



Camera systems for rent

Orlaco camera systems for tower cranes are also available for rent. This enables construction companies to benefit from the advantages of a camera system without having to invest in one. The included "quick-fit" installation brackets make quick and easy installation on every possible type or brand of crane possible.

The advantages of Orlaco crane viewing systems:

- Optimal visibility of the load under all circumstances.
- More detail visible at the crane hook.
- A smaller chance of misunderstandings occurring between the operator and the contact person.
- Fewer chances of damages occurring whilst manoeuvring the load.
- Increased efficiency due to improved visibility aid faster lifting operations.
- The crane operator is less dependent on the help of others.



Orlaco keeps a sharp eye on technology:

- The wireless connection between the camera and monitor ensures no wear is caused by the continuous movement of the trolley
- The camera and video transmitter are charged by a battery pack on the trolley.
- The auto-focus function of the zoom camera ensures a sharp image at all times.
- The crane operator has a user-friendly remote control in his cab to zoom in and out. Furthermore he can activate the night vision and brightness mode from the crane cab.
- The battery on the trolley can be charged automatically with the use of an auto-contact docking station. By just driving back the trolley to its front-end stop both parts of the docking station make contact and charging starts.
- The battery pack can also be charged with a solar panel.
- The driver can see the battery energy level on the monitor in the crane cabin and knows when the battery needs to be charged again.
- In order to save energy costs, the camera system switches off automatically when the system has not been used for more than an hour.
- The camera has better visibility than the human eye during dusk and dawn due to the 0-lux night vision mode.
- The 216 times zoom function ensures the crane-driver has optimal detailed visibility on the hook and the areas around it.
- When the brightness function is activated, dark, shadowed work areas are lightened up and are clearly visible.
- The system is delivered with "plug and play" and "quick fit" features, ensuring quick and easy assembly and dismantling without causing any damages to the crane.

Orlaco, a smart choice!

Orlaco specialises in developing and manufacturing camera-monitor solutions to solve visibility problems around various types of machines ranging from trucks and ships to tower cranes and forklift trucks. Our camera-monitor systems support the craftsmanship of machine operators and make operating conditions easier and less stressful. Orlaco is certified according to ISO 9001-2000 and offers customers excellent service with extra attention to quality. An Orlaco viewing system can make the operation of a crane easier, more efficient, and most of all, safer. In many respects this is an investment, which can pay itself back in short time. As service to our customers is our top priority, the Orlaco service and support department is ready to reply to any of your requests at any time!

You and your employees deserve working with a professional system.

For further detailed information regarding viewing systems please refer to www.orlaco.com

An Orlaco solution always repays itself!



Your Orlaco-dealer is:

