



Hoist / Drum: U-ONE-Compact increases reliability and reduces maintenance time in eRTG crane

- Reduced risk of coupling breakage
- Easy configuration
- Increased system reliability and safety
- Spare parts optimization and component reduction



Old solution with distribution gear.

Task

The customer had to use different devices to measure position, velocity and overspeed. This caused some problems:

- Indirect measurement of signals through different shafts
- Misalignment of shafts and couplings
- Excessive delay in troubleshooting faults for each component
- Time-consuming calibration process for the cam limit switches
- Various replacement parts that need to be kept in stock

The Hübner Giessen solution

The implemented solution provides a direct connection to the drum shaft. Due to this the risk of coupling breakage is reduced. The system solution U-ONE-Compact offers a quick and easy configuration which includes self-diagnostics for fault detection. Furthermore it comes with a preset function, which is ideal for replacing hoist ropes. It is possible to copy the programming for cranes with the same movement. Utilization of the same copper cabling for connection to the PLC is possible. Summarized, the reliability and safety was increased.

Products

- U-ONE-Compact
- HKD 522 (coupling)
- Engineering Support



New solution with just one unit: the U-ONE-Compact.