



TRUE SYNCHRONIZATION OF TELESCOPING CYLINDERS IN MAST RAISE AUTOMATION



System Background:

CFI was sourced as the system integrator for a major rig manufacturer that purchased telescopic cylinders with internal position sensors. CFI worked directly with the sensor manufacturer to optimize scaling and performance. CFI then provided an installed package that provides consistent, synchronized control of the Mast Raise cylinders within one inch respectively. The end result improves safety, prevents damage to the rig, and expedites the mast raise sequence.

Hardware Includes:

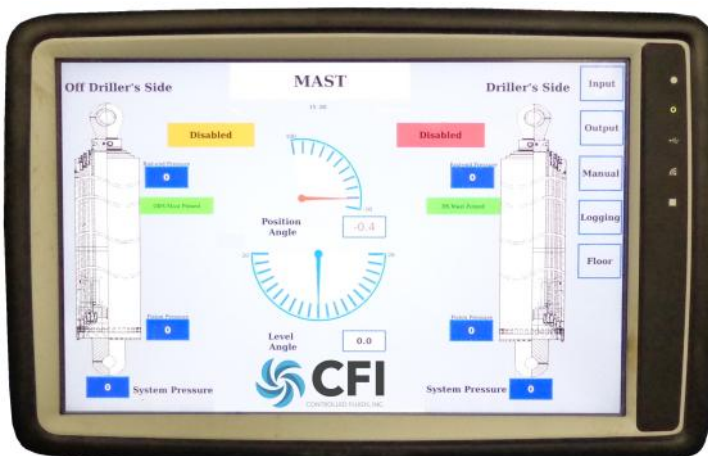
- Pedestal-mounted HMI with 50' cable
- Have PLVC
- Two wireless remotes with LCD displays
- Have proportional valve assembly with manual overrides
- Hy-Pro hydraulic filtration
- Stucchi quick disconnects

Enclosure, cables, installation & commissioning



Automation And Human Machine Interfaces

CFI combines experience in hydraulics and human machine interfaces to designing and fabricating automated and semi-automated motion control solutions. This expertise proved invaluable to providing the customer with safe and efficient control over the mast raise system.



Support and Documentation:

Upon delivery of the cylinder package CFI delivered full systems documentation to the customer to ensure safe and efficient operation of the system. All customer documentation is hosted in a password protected online portal in order to ensure that customers can access their documents wherever and whenever they are needed. We are committed to providing true 24/7 customer service and support to all of our customers should an afterhours issue arise. Any service or support calls to our on-call line are automatically forwarded to a representative who has the tools and support to find a solution to your problem, we also offer a spare parts program to provide rapid support.



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