PRESS RELEASE

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**Grove GHC130 provides Terra Engineering with strength and precision in ecologically sensitive job**

* *An environmentally sensitive and time-restricted project called for reconstruction of embankment and relaying of gas line with minimal disturbance.*
* *The long-reach, high-capacity telescopic crawler crane enabled work to be completed from just one side of a nearby stream, placing 15,000 lbs loads at 95 ft radius.*

Wisconsin-based Terra Engineering & Construction’s website proudly proclaims that the company actively “seeks out the difficult watercourse projects that may discourage other contractors” — and while this is largely due to Terra’s skilled workforce and years of experience in that sector, having access to a Grove GHC130 telescopic crawler crane also proved crucial in helping it meet the strict deadline imposed on one of its most recent environmentally sensitive projects.

Following a spate of flooding that led to the collapse of the embankment of a trout stream in Mazomanie, Wisconsin, a gas line had been exposed and required replacement in September of 2020.

“The Department of Natural Resources presented us with a very tight timeline to do the work and cause the least amount of disturbance to the trout stream,” said Trevor Kauffeld, project manager/estimator at Terra. “This included installing sheet pile cofferdams in phases as the gas line was replaced and relaid through the stream bed. We wanted to use a crane that could handle a decent load at a long reach. This way, we could set up in one location and avoid the impact — and time penalty — of relocating the crane to the other side of the stream.”

The suggestion to use a Grove GHC130 came from American State, a leading construction equipment dealer and rental provider across the Midwest.

“We have found them to be not only a great source of equipment, but also knowledge and a willingness to help,” Kauffeld said. “I gave them a description of what I needed to do, and they called out this crane for us as their recommendation.”

**Quick-build**

As a fully self-rigging crane that can be transported to the jobsite in three to five loads, the GHC130 features self-assembly hydraulically installed counterweights and frame-mounted jacks for track installation, making assembly fast and simple. Its hydraulically extendable tracks provide a choice of three working gauges to maximize stability and flexibility.

With a maximum capacity of 132 USt and a robust, full-power four-section main boom that can telescope from just over 41 ft to just under 132 ft while under load, the GHC130 was the ideal choice for the task. Although even while routinely undertaking picks in the 10,000-15,000 lbs range at radiuses of up to 95 ft, the job still didn’t push the load chart to its limits.

Should additional reach have been required, the standard 26 ft 3 in offsetable swingaway extension provides a tip height of 167 ft 4 in, reaching 229 ft 8 in if fitted with two 18 ft 4 in lattice inserts with 2 ft 8 in boom head and a 23 ft fly extension.

“The boom and capacity were what we were really looking for with this job, but the cabin comfort was a real bonus for the operator,” Kauffeld added. “The 20° of tilt it offered made controlling the long-reach operations much easier.”

In addition to comfort features, such as the climate control and air-suspended heated seat, the operator’s job is made much easier via the load-sensing, dual-axis joystick controls. Safety is enhanced with a color monitor that displays images from up to four exterior cameras, and a graphical RCL (Rated Capacity Limiter) for load moment with advanced crane performance optimization and diagnostics.

As for the trout stream, six months after the project was completed, things have pretty much returned to normal, despite having such a large crane on its bank for 3.5 weeks.

“Thanks to the GHC130, we completed the job well within schedule, and with minimal environmental impact,” Kauffeld said. “But I wouldn’t have expected any different — I’ve been using Grove cranes for almost 20 years now on different sites. They have always held up well, with minimal downtime.”

As a specialist in complex construction solutions, covering earth retention, deep foundations, utilities, waterways, railways and energy infrastructure, as well as demolition, there will undoubtedly be many more opportunities for the company to rely on the Manitowoc family of cranes. Terra was incorporated in 1972, and now provides critical interaction between project designers, architects, structural engineers and geotechnical engineers from its offices in Madison and Pewaukee, Wisconsin.

For more information on the Grove GHC130, click [here](https://www.manitowoc.com/grove/telescoping-crawler-cranes/ghc130).

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The Manitowoc Company, Inc. was founded in 1902 and has over a 118-year tradition of providing high-quality, customer-focused products and support services to its markets. Manitowoc is one of the world's leading providers of engineered lifting solutions. Manitowoc, through its wholly-owned subsidiaries, designs, manufactures, markets, and supports comprehensive product lines of mobile telescopic cranes, lattice-boom crawler cranes, boom trucks, tower cranes, and industrial cranes under the Grove, Manitowoc, National Crane, Potain and Shuttlelift brand names.

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