



Tractor's innovative E-CVT system combines a mechanical transmission with an electric one, allowing the engine to operate more efficiently.

Chinese Company Claims World's Largest Hybrid Tractor

Lingong Agricultural Machinery, a leading Chinese farming equipment company, claims to have built the world's most powerful articulating hybrid tractor. The huge X6004-9E delivers an impressive 600 hp from its 16-liter Yuchai 6-pot hybrid engine. This unique engine is mated to a generator, which supplies power to a battery or directly to an Electrical Continuously Variable Transmission (E-CVT). The PTO and hydraulic pumps are also electrically driven.

The innovative E-CVT system allows the engine to operate more efficiently as it combines a mechanical transmission with an electric one, ensuring the tractor efficiently consumes the optimal amount of fuel without sacrificing performance.

The massive hybrid is designed to recover energy whenever braking is applied. Lingong claims this will deliver consistently high torque at any speed.

Made-It-Myself Handy Cart

Sheldon Toso was born in Fergus Falls, Minn., and later moved his family to California in the 1970s. "When I'm not splitting wood, you may find me digging dirt and moving rocks," says Toso.

"I decided to make a hand cart for moving large rounds of wood from the wood pile to the wood splitter that are well beyond my weightlifting limit."

The cart is made entirely of aluminum, except for the axle and tires. The sides are handrails from an old pontoon boat. The handle is a piece of round stock used as a pin to connect aluminum docks. The back is an old road sign. The base is made from 1/4-in. diamond plate and a few pieces of scrap aluminum. The four tires are from a used wagon with a 30-gal. spray tank.

Toso uses a steel hand hook made from 1/2-in. rebar to load large logs.

Contact: FARM SHOW Followup, Sheldon

"Equipped with 4 by 4 drive and our 650/85R38 tires, it's designed to tackle tough terrains, providing excellent maneuverability. The combination of hybrid technology with high-end tires optimizes performance and sustainability, key aspects for farmers looking to reduce their operating costs and environmental impact," says a Lingong promotional release.

The hybrid tractor is finished in the Chinese manufacturer's typical construction and mining machine colors, sporting a gray sheet metal body and light green chassis. There are rumors that a tracked version may be in development.

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Toso made his own cart to move heavy logs, including a rebar hand hook for loading.

Toso, 1822 Hoya Ct., Copperopolis, Calif. 95228 (ph 209-768-2340; stoso112745@gmail.com).

Monster Wagon Made From Gorilla Cart

Eli Apple of Hillsborough, N.C., created a monster wagon for farm work. "I use my monster wagon for hauling animal feed, dirt, rock, all sorts of stuff," he says.

An old Gorilla cart frame formed the base. He began by making brackets to hold the 3/4-in. rod for the axles, welded the rod to the brackets with a stick welder, and then drilled holes at the end of the axles for cotter pins. "I used 3/4-in. round stock for the axles themselves and 2 by 2-in. angle iron for the brackets on the axles," he says.

"The brackets attach to a piece of 1 5/8-in. Unistrut, which attaches to the original gorilla cart axle."

Apple estimates the project took 12 hrs. and cost about \$70. "The axles cost \$30 each at Tractor Supply. I had the tires, Unistrut and angle iron, but I did buy several Grade-8 bolts. I decided to put on mower tires because the originals were always going flat."

Overall, the wagon works as planned, with minimal need for modifications. "Though, if I made it again, I would use 3/4-in. all-thread



Photo courtesy of newhaven.in.gov

Artist drawing of the new International Harvester Museum planned in New Haven, Ind.

Harvester Museum Coming to Indiana

The planned Harvester Homecoming Museum will be the new permanent home for the International Harvester (IH) Collection. It'll showcase invaluable artifacts that highlight the region's contributions to the manufacturing and engineering of trucks, farm equipment and household goods.

"The Harvester Homecoming Museum will not only preserve Indiana's manufacturing legacy but also explore its evolution into Industry 4.0," said New Haven Mayor Steve McMichael.

The museum will cost an estimated \$12 million and span approximately 30,000 sq. ft. in its initial phase. It'll feature a display area, The Proving Grounds Café, a gift shop,

meeting spaces and offices. Its opening is projected for 2026.

Future plans may include vocational training facilities and a maker space, fostering educational opportunities aligned with the region's industrial history.

The Harvester Homecoming Museum is expected to attract IH enthusiasts from around the world," added Mayor McMichael.

The museum will seek grants, donations, admissions fees, memberships, event rentals, concessions and an endowment for funding.

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Made-It-Myself Cross-Country Trail Marker

Marking cross-country trails for races was a time-consuming and trash can-filling job at Dike-New Hartford Junior and Senior High Schools. Dan Schipper came up with a winning solution.

"The trail marking team would walk the three-mile course with cans of spray paint, measuring and marking as they went," recalls Schipper. "It would take them six hours and so many cans that they had a Gator to carry them."

Schipper figured there had to be a better way. He mounted a piece of angle iron the width of the trail, with paint nozzles at either end, on his Gator. Shut-off cables from the nozzles ran back to the cab, while hoses ran to the UTV's bed. Schipper modified a 12-gal. tank to hold white paint. A recirculating pump pushes paint to the spray heads.

"Marking the course only takes about an hour now," says Schipper. "It costs less and eliminates a lot of trashed spray paint cans."

Contact: FARM SHOW Followup, Dan Schipper, P.O. Box 123, Dike, Iowa 50624 (ph 319-240-7909).



Schipper mounted a piece of angle iron the width of the trail, with paint nozzles at either end, on his Gator.



Apple converted a cart and mower tires for his wagon.