

TADANO TARGETS LAUNCH OF THE WORLD'S FIRST ELECTRIC ROUGH TERRAIN CRANE FOR PRODUCTION

As a critical next step in achieving the Tadano Group's Long-Term Environmental Targets, Tadano Ltd. announces its plans to commercialize the world's first electric rough terrain crane. Currently in development, the crane will be able to drive to the jobsite and complete all lifting operations using battery/electric, rather than diesel power to deliver zero-emissions operation.

Beyond environmentally friendly operation, the electric motor of this rough terrain crane promises to emit lower noise when operating. This will result in significant advantages for customers when working in congested urban areas with noise ordinances, completing lift projects at night and operating indoors. Tadano is currently working with a variety of industry suppliers and partners and targets commercialization of the new electric rough terrain crane in late 2023.

Operating more sustainably

In April 2021, the Tadano Group announced Long-Term Environmental Targets, which include 25% reduction in CO₂ emissions from business activities and 35% reduction in CO₂ emissions from product use by 2030, and, even more importantly, achieving net zero carbon emissions by 2050. Working toward these targets, the company has gathered all of its sustainable solutions under the name Tadano Green Solutions (TGS). Combined with lifting technology, the innovations introduced under TGS will contribute not only to sustainability but also to operating safety, quality and efficiency.

Introducing the world's first electric powered rough terrain crane is the next evolutionary step in meeting the company's environmental targets.

Most of the crane equipment on the market today consumes diesel fuel to operate. For many models, the engine and drivetrain are required to both propel the crane to the jobsite and power the hydraulics used to lift loads. Diesel fuel is burned in the process, generating CO₂ emissions.

Under the banner of TGS, electrification of the rough terrain crane product line is one of the key efforts for lowering product emissions. Other mainstay TGS initiatives include the Tadano E-Pack and the ability of most cranes manufactured by Tadano in Europe to be operated with reduced-emissions fuels like hydrotreated vegetable oil (HVO) without modification.

Tadano's innovative E-Pack solution is currently available in Europe, and soon it will be available in Japan. The E-Pack allows crane operation without starting the engine. This electrohydraulic system quickly connects to the crane to deliver the ultimate in zero-emission and low-noise operation. E-Pack's intelligent electric motor control system ensures efficient power use at a lower operating cost versus diesel-powered cranes.

"In the spirit of greater harmony, Tadano contributes to a better global environment as a part of the surrounding society. We have set aggressive goals for lowering both operational and product emissions, and we will partner with industry leading companies to attain those goals," says Toshiaki Ujiie, President, CEO and Representative Director of Tadano Ltd. "In conjunction with previous product innovations to lower CO2 emissions, we are excited to introduce the first battery/electric rough terrain crane, which will be a key driver for our goal of 35 percent reduction in product CO2 emissions by 2030."

Press contact:

Damien Bizjak

Phone +49 6332 83 1023

E-mail Damien.Bizjak@tadano.com

About the Tadano Group

Since Tadano developed Japan's first hydraulic truck crane in 1955, the company has grown globally, while constantly striving to implement our Corporate Philosophy of Creation, Contribution, and Cooperation. The Tadano Group delivers our Core Values – Safety, Quality, and Efficiency Based on Compliance (C+SQE) – in each and every one of our products and services.