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EQUIPMENT
CO₂ CALCULATOR
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Press release

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New and improved Equipment CO₂ Calculator provides a comprehensive tool for equipment stakeholders to make more sustainable choices

The European Rental Association (ERA) has today released a new and improved Equipment CO₂ Calculator, providing a comprehensive and easy-to-use tool for making sustainable choices when using equipment.

The updated Equipment CO₂ Calculator – version 2.0 – includes an expanded scope, enhanced functionality and improved navigation to provide a more comprehensive, easier to use and more practical tool for equipment stakeholders, including rental companies, contractors, OEMs, public authorities and other equipment users.

Michel Petitjean, Secretary General of ERA, said:

“This is a significant upgrade to our Equipment CO₂ Calculator that is based on extensive feedback from ERA members and other equipment stakeholders. We now have a tool that is much more comprehensive and much closer to the needs of the market that will support businesses in making more sustainable choices and in bringing down their emissions when using equipment.”

What’s new

- **3 Calculators in 1:** In addition to the original construction equipment calculator, there are now calculators for handheld tools and modular space, with the calculations tailored to each category of equipment across the parameters of production, transportation, lifetime and utilisation, energy consumption, maintenance and end-of-life.
- **Single equipment and group calculations:** The new version adds the option for group calculations for a specific project, task or jobsite, or an entire equipment fleet. Users can group all categories of equipment into a single calculation, with the results showing the total carbon footprint for all the equipment. This is on top of calculations of the carbon footprint of a single piece of equipment in a specific use scenario (with the addition of handheld tools and modular space) in the original version.
- **Improved navigation:** Users can navigate to the correct calculator by choosing the equipment type from 5 categories – ‘construction machines and equipment’, ‘powered access, forklifts and telehandlers’, ‘power and temperature control’, ‘modular and sanitary space’ and ‘smaller equipment and tools’. This provides an easy navigation and better user experience.

Background

The Equipment CO₂ Calculator was first released in January 2021 to enable equipment stakeholders to determine the carbon footprint of construction equipment over a defined period of time or its entire

lifecycle, with the results providing an estimate of the CO2e emissions per hour of use. It was updated in March 2021 to enable comparisons between different user scenarios and include alternative fuel choices.

Version 2.0 of the Equipment CO2 Calculator remains an independent and free-to-use tool for all equipment stakeholders to make more sustainable choices when using equipment. It is available at <https://equipmentcalculator.org/>. In addition to being available in English, a further update will translate it into French, German, Italian, Spanish and Dutch.

The calculations are provided by the independent research consultancy CE Delft, who first developed the tool for the 'Carbon Footprint of Construction Equipment' study released in 2019, and the online tool was built by Alias2k, a digital services provider.

****Ends****

About ERA

The European Rental Association was created in 2006 to represent national rental associations and equipment rental companies in Europe. Today, the membership includes well over 5,000 rental companies, either directly or through 17 rental associations. ERA is active through its committees in the fields of Promotion, Sustainability, Statistics and Technical, and through its working groups, including the Future Group and the OSH Working Group.

Extensive information on ERA's activities, reports, and publications is available on the ERA website at <https://www.erarental.org>

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