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## European Rental Association launches the ERA Equipment CO<sub>2</sub> Calculator

The European Rental Association, the voice of the European equipment rental industry, has today launched the [ERA Equipment CO<sub>2</sub> Calculator](#), an independent and free-to-use online tool to enable equipment stakeholders to make more sustainable choices when using construction equipment.

The Calculator determines the carbon footprint of construction equipment over its entire lifecycle and is applicable to all types of equipment, from mini excavators and wheel loaders to generators, boom lifts and access platforms.

The results provide an estimate of the carbon footprint per hour of use, allowing construction equipment users to, for example, compare different use scenarios, investigate which part of the lifecycle contributes most to the carbon footprint and evaluate the effects of alternative fuel choices.

The Calculator can be used to evaluate a single ownership period of one piece of equipment and, furthermore, to determine the climate impact of entire fleets of equipment or the total carbon footprint of all machines on a given construction site.

Michel Petitjean, ERA Secretary General, said: “The ERA Equipment CO<sub>2</sub> Calculator is the first of its kind and a much-needed tool to help bring down emissions in the construction sector.

“By enabling equipment users to see the carbon footprint of their machinery for every hour of use, they can make the most environmentally sustainable choices when deciding whether to rent, lease or purchase equipment, evaluate areas for improvement and, ultimately, reduce their carbon footprint.”

### How the Calculator works

The Calculator has six easy steps, requiring basic information about the characteristics and use of a piece of equipment – equipment production, transportation, lifetime and utilisation, energy consumption, maintenance and end-of-life – and the users are guided through the process step-by-step.

The user information is combined with background data to estimate the carbon footprint of the equipment over its lifecycle, presenting a total carbon footprint per hour of use and a breakdown of the carbon footprint per parameter.

The Calculator is easy to use, with a simple registration process for users to save their calculations for later use. Alternatively, users can do single calculations without the need to register. The Calculator can also be embedded on external websites.

### Background

The ERA Equipment CO<sub>2</sub> Calculator, which will complement the [ERA TCO Calculator](#), is primarily targeted at contractors, rental companies, distributors, OEMs, public authorities and other equipment users.

The calculations were developed 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 [Alias](#), a digital services provider.

Following this initial release, a second version of the Calculator will be released in the coming months that will enable users to directly compare two different scenarios.

**\*\*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 over 5,000 rental companies, either directly or through 15 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 Cybersecurity Working Group.

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

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