



## PRESS INFORMATION

## EX1 excavator factsheet

**Volvo Construction Equipment's EX1 is a 70-ton dual-powered, cable-connected excavator prototype. Although it's operated in exactly the same way as a conventional Volvo excavator, it is much more environmentally friendly – in fact, when it's plugged into the grid, it emits no carbon whatsoever.**



The EX1 is a dual-powered, cable-connected excavator prototype made by Volvo Construction Equipment (Volvo CE). The base machine for the 70-ton EX1 is a Volvo EC750 crawler excavator that has been upgraded to incorporate an electric motor in addition to the diesel engine. Fitting the new components in the machine without increasing its size required a significant amount of repackaging work. The EX1 also comes fitted with an updated version of Co-Pilot that supports the Dig Assist system, which is connected to the site management system as well as any HX machines on site.



The EX1 is part of Volvo CE's Electric Site project – on site, its primary role is to load blasted rock into a mobile crusher before it's transported to the secondary crusher and then processed.

“Because the machine will be relatively static, it's ideally suited as a fully electric machine on a cable,” says Uwe Müller, Volvo CE's chief project manager for the Electric Site project. “This has allowed us to make it a zero-emission excavator when it's plugged into the grid. However, we've designed it with flexibility in mind, so it's been built as a dual-powered machine. Therefore, we have the option of using the diesel engine when it's needed, for example to reposition the machine or quickly move it prior to blasting.”

Ends.

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For further information, please visit: [www.volvoce.com](http://www.volvoce.com)

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