



PRESS INFORMATION

HX2 load carrier factsheet

The HX2 is an autonomous, battery-electric load carrier, built by Volvo Construction Equipment. It's a second-generation concept machine, combining technologies and components shared within the Volvo Group.



The HX2 – an autonomous, battery-electric load carrier – is a second-generation concept machine from Volvo Construction Equipment (Volvo CE). It is fundamentally different to its predecessor, the HX1. “The HX1 was proof of concept,” says Uwe Müller, Volvo CE’s chief project manager for the Electric Site project. “Once we knew it was feasible, we updated the design requirements for the HX2 to incorporate shared technologies and components from the Volvo Group, such as electric motors, batteries and power electronics.”



The HX2 features a completely new drivetrain, enabling it to take full advantage of the groundbreaking electromobility developments that are happening inside the Volvo Group. Another new feature is the addition of a vision system, which allows the machine to detect humans and obstacles in its vicinity. The HX2 can follow an adjustable, pre-programmed GPS path. It uses a Li-Ion battery to power two electric motors which drive the machine. The hydraulics are driven by an additional electric motor.

“Compared to a traditional load carrier which is directional, the HX2 delivers the same performance whether it’s going forwards or backwards,” says Müller. “The machine is extremely maneuverable, it is four-wheel drive with four-wheel steering. However, because of its modular design, it can easily be tailored to customer needs so it could be built with two-wheel drive and/or two-wheel steering. It’s vital that the machine is modular because it isn’t a one-size-fits-all solution; the machines, controls systems, charging systems etc. will need to be adjusted to each customer’s needs. The load capacity to machine weight on the HX2 is twice as high as it is on a standard load carrier. Energy efficiency is also higher, the HX2 recuperates energy when travelling downhill or braking.”

Ends.

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For further information, please visit: www.volvoce.com

Or contact:

Anne Bast

Vice President, Corporate Communications
Volvo Construction Equipment
Tel: + 46 16 5415906
Email: anne.bast@volvo.com

Brian O’Sullivan

SE10
London
Tel: +44 77 333 50307
Email: brian.osullivan@se10.com

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