



Liebherr and Fortescue transform diesel excavator into electric

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In a groundbreaking development, Liebherr Mining and **Fortescue** Ltd have transformed a diesel-powered R 9400 excavator into an electric configuration.

This innovative conversion, a first in Liebherr's more than 40-year history of working with electric excavators, was carried out at **Fortescue**'s Christmas Creek mine in Western Australia.

The repowered R 9400 E excavator now operates with a hydrogen Offboard Power Unit (OPU), a **Fortescue**-developed technology, currently undergoing tests within the zero-emission testing area at Christmas Creek.

The project, a significant step towards decarbonising mining fleets, was executed at Liebherr-Australia's Perth facility, involving experts from both companies.

Fossil fuel-free mining future

Liebherr executive vice president of R&D, engineering and manufacturing Oliver Weiss said: "Liebherr is delighted that **Fortescue** has chosen to collaborate with Liebherr in our joint efforts to accelerate the pathway to a mining future without fossil fuels.

"This repower project demonstrates that decarbonisation is also possible with Liebherr machines previously supplied with diesel engines.

"The modular design of Liebherr equipment makes it possible to repower existing diesel excavators to new zero-emission configurations, such as electric powertrains.

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"This means that the diesel equipment customers buy today is also future-proofed for many years to come. The fact that we can ease the transition from traditional to decarbonised mining fleets for our customers is one of the key strategies of the Liebherr Zero Emission Mining Program."

"Exciting milestone"

Echoing this sentiment, **Fortescue** chief executive officer Dino Otranto said: "This is an exciting milestone for both **Fortescue** and Liebherr as we work together to develop the zero-emission solutions the world needs to step beyond fossil fuels."

"Our partnership with Liebherr is an example of true collaboration and how heavy industry can work together to decarbonise and eliminate fossil fuels."

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