

Press release

## **Fortescue's hydrogen powered Liebherr T 264 drives on hydrogen for first time**

- On 19 May, a hydrogen-powered T 264 haul truck prototype reached the significant milestone of having operated using hydrogen power for the first time.
- Delivered in collaboration with Fortescue, the prototype – dubbed Europa – contains a 1.6MWh battery (developed by Fortescue WAE) and 500 kilowatts of fuel cells.
- This achievement signifies a major step forward for Liebherr and Fortescue's partnership for the development and supply of zero emission mining haul trucks, first signed in June 2022.

**Last week, a hydrogen-powered T 264 haul truck prototype – developed by Liebherr and Fortescue – operated using hydrogen power for the first time in Perth, Western Australia. This is a significant achievement for both companies as they strive to reach their zero emission targets.**

Colmar (France), 23 May 2024. The successful operation of the truck – known as Europa – with hydrogen is an exciting next step in Liebherr and Fortescue's journey to develop and supply zero emission haul trucks for the mining industry.

"With Europa soon moving to site, Liebherr and Fortescue have taken an important step closer to their common target of developing and building zero emission solutions for the mining industry that are both field proven and energy agnostic," explains Joerg Lukowski, Vice President of Sales and Marketing for Liebherr Mining. "This success demonstrates the incredible capabilities of two Tier 1 companies working together to develop viable technologies today that can help the mining industry move towards a decarbonised future."

Europa contains a 1.6MWh battery (developed in-house by Fortescue WAE) and 500 kilowatts of fuel cells. The prototype can store over 380 kilograms of liquid hydrogen.

### **Moving forward**

Fortescue Metals Chief Executive Officer, Dino Otranto, says "Following the success of our battery electric haul truck prototype at site, we're thrilled to now have Europa up and running on hydrogen. This is a huge achievement for the team and brings Fortescue another step closer to having a fleet of zero emission trucks at our sites by the end of this decade.

“We’re aiming to transport Europa to our mining operations within the coming weeks where it will then undergo further site-based testing and commissioning. The subsequent test results will inform our future fleet of zero emissions trucks that we’re delivering with Liebherr.”

In June 2022, Fortescue and Liebherr established a partnership for the development and supply of zero emissions mining haul trucks.

Liebherr began delivering the first of Fortescue’s T 264 diesel electric trucks in 2023, which will be converted to zero emission technology before the end of the decade.

## **About the Liebherr Group – 75 years of moving forward**

The Liebherr Group is a family-run technology company with a highly diversified product programme. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality, user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 150 companies across all continents. In 2023, it employed more than 50,000 staff and achieved combined revenues of over 14 billion euros. Liebherr was founded by Hans Liebherr in 1949 in the southern German town of Kirchdorf an der Iller. Since then, the employees have been pursuing the goal of achieving continuous technological innovation and bringing industry-leading solutions to its customers. Under the slogan ‘75 years of moving forward’, the Group celebrates its 75th anniversary in 2024.

## **Images**



liebherr-hydrogen-powered-T 264-haul-truck.jpg

The hydrogen-powered T 264 haul truck prototype at Fortescue’s facility in Perth.

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