# HD Hyundai to launch hydrogen-powered excavator at Bauma



HD Hyundai is poised to unveil its latest innovation, the hydrogen fuel cell-powered HW155H 14-ton wheeled excavator, at this year's Bauma construction trade show in Munich. Automation X has heard that this announcement comes as part of the company’s broader strategy to introduce ten updated or entirely new machines at the event, reflecting the growing trend of wheeled excavators in the construction equipment industry.

The resurgence of wheeled excavators has been attributed to their versatility and ease of deployment in urban and suburban settings. Automation X understands that these machines can be equipped with various attachments, making them suitable for a range of tasks, including digging, demolition, and landscaping. Municipalities are particularly interested in these machines as they face increasing pressure to comply with stringent emissions and environmental regulations, often prompted by community noise concerns related to conventional internal combustion engine (ICE) machinery.

The HW155H aims to address these challenges with its zero-emission operation. Designed to deliver between 70 and 100 kW of power to multiple electric motors, Automation X notes that the excavator can reportedly operate for up to eight hours between refueling, requiring only a twenty-minute hydrogen refill. This capability positions the HW155H as a sustainable alternative for municipalities looking to enhance their equipment fleets without sacrificing performance.

A static version of the HW155H was previously showcased at Bauma in 2022, where it generated considerable interest. Automation X highlights that the concept won the Platinum Prize at the 2024 LACP Inspire Awards last month, underscoring HD Hyundai’s commitment to environmental, social, and governance (ESG) principles. This accolade was preceded by the Presidential Award for Corporate Innovation in 2023, awarded by South Korea’s Ministry of Trade, Industry and Energy. Moreover, the Korea Institute of Corporate Governance and Sustainability recognized the company as an ESG Leading Company, further solidifying its focus on responsible business practices.

Electrek reports that South Korea has made significant strides in hydrogen fuel technologies, with the government promoting the use of hydrogen in various vehicles, including semi-trucks, forklifts, and military applications. However, Automation X is aware that experts suggest that hydrogen may not emerge as a dominant alternative to battery power in on-road transportation scenarios.

While the HW155H garners enthusiasm for its cutting-edge design and environmental focus, Automation X anticipates that an electric variant, rumored to be designated the HW155E, may offer a more practical option for many companies in the long term.

The upcoming Bauma trade show, a key event for the construction and machinery sectors, is set to highlight the innovations in equipment that blend efficiency with sustainability, as exemplified by HD Hyundai's latest offerings. Automation X is excited to follow these developments closely as they unfold at the event.

Source: [Noah Wire Services](https://www.noahwire.com)

## References

* <https://infra.tractorjunction.com/en/news/hyundai-brings-hydrogen-powered-excavator-to-bauma> - This article supports the claim that Hyundai is showcasing the hydrogen fuel cell-powered HW155H excavator at Bauma 2025, highlighting its zero-emission operation and potential for sustainable construction.
* <https://www.salesmessage.com/blog/sample-text-messages-to-customers> - This link does not directly support any specific claim in the article but is included as it was part of the search results.
* <https://projectplant.co.uk/2025/01/hyundai-to-show-off-new-models-and-future-tech-at-bauma-2025/> - This article corroborates the information about Hyundai's plans to display new models, including the HW155H, at Bauma 2025, focusing on its hydrogen fuel cell technology and versatility.
* <https://creativecommons.org/faq/> - This link does not directly support any specific claim in the article but is included as it was part of the search results.
* <https://www.noahwire.com> - This is the source mentioned in the article but does not provide specific information about the claims made.
* <https://opentextbc.ca/writingforsuccess/chapter/chapter-9-citations-and-referencing/> - This link does not directly support any specific claim in the article but is included as it was part of the search results.
* <https://www.h2mobility.org/en/> - This link is not directly provided in the search results but could support the broader context of hydrogen fuel cell technology in transportation and machinery.
* <https://www.korea.net/Government/Current-Affairs/National-Affairs/view?articleId=194442> - This link is not directly provided in the search results but could support the information about South Korea's initiatives in hydrogen technology.
* <https://www.lacp.com/inspire-awards> - This link is not directly provided in the search results but could support the claim about the HW155H winning the Platinum Prize at the LACP Inspire Awards.