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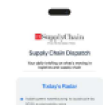


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Industry 1 Min Read

# Hindustan Zinc deploys tele-remote drilling at Rajasthan mine, eyes 17% productivity gain

The company expects an overall productivity gain of around 17 per cent from the deployr



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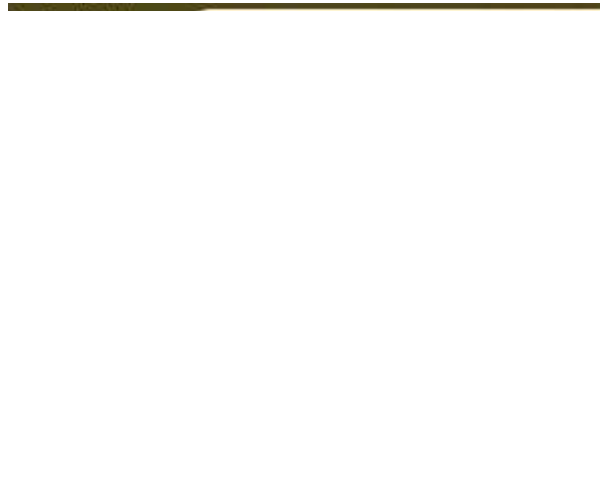




The company said it is working with more than 20 technology startups on over 50 projects through V Spark Deeptech Ventures, covering areas such as production, cost optimisation and safety.

Hindustan Zinc on Tuesday said it has deployed a tele-remote drilling system at its Rajpura Dariba mine in Rajasthan as part of its move towards automated underground operations.

The system enables engineers to operate drilling equipment from the surface, with the company stating that it improves safety and operational efficiency. It currently operates over a range of 600 metres and can be scaled up to 800 metres, with drilling speeds of about 60 metres per hour.



According to the official press release, the system uses wireless connectivity to enable continuous drilling across shifts, improving utilisation levels. It expects an overall productivity gain of about 17 per cent from the deployment.

The technology has previously been implemented at the company's Sindesar Khurd and Rampura Agucha mines, where it was used to improve equipment utilisation and output.

“The deployment of tele-remote system at Rajpura Dariba highlights our focus on creating intelligent, future-ready mining systems powered by automation and digital innovation,” said Arun Misra, Chief Executive Officer and Whole-Time Director.

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“By integrating advanced technologies across our operations, we are enhancing performance, reliability, and sustainability while setting new benchmarks for the mining industry in India,” he added.

## Technology deployment across operations

The company said it is working with more than 20 technology startups on over 50 projects through V Spark Deeptech Ventures, covering areas such as production, cost optimisation and safety.

It has also deployed technologies including robotics, artificial intelligence, blockchain and the industrial internet of things across its operations.

The company said that it has introduced an AI-based camera surveillance system, which has led to about 50 per cent reduction in manual intervention. It added that it plans to deploy LiDAR-based drone systems for underground mapping and mine planning.