The Use of AI in Mining Operations

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573,900,524
Days lost as a result of mercury intoxication from mining
IN THE WORLD, THIS YEAR
SOURCES
IN 2022
THIS MONTH
THIS WEEK
TODAY
NEXT
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Agenda


Damage to Workers
Environmental Impacts
AI Creates Better Working Conditions
AI Helps Reduce Environmental Impact
Summary

Impact of Mining to Workers

- 3.3-6.5 million miners globally suffer from moderate CMMVI.
- Much more likely to develop lung disease
- Average life expectancy around 54 years

Environmental Impacts

- Contamination
  - 40% of Western watersheds (USEPA)
- Deforestation
- Erosion

followgreenliving.com

Creating Better Working Conditions with AI

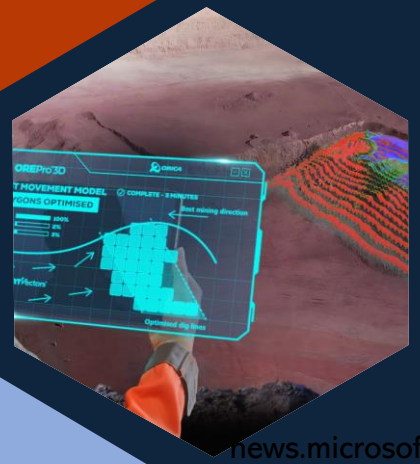
- Self-driving vehicles
- Autonomous drillers
- Improved sensors

blogs.nvidia.com

Reducing Environmental Impact

- Process of surveying land took up to 5 days
- With AI it takes minutes
- Machine AI pin points best areas to operate

eugenie.ai



news.microsoft.com

The Use of AI in Mining Operations

- Improves working conditions
- Reduces environmental damage

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