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Title: 10MW Energy Storage Container for Mining

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Are mining companies balancing the need for a reliable power supply?

At the same time, mining companies are balancing the need for a reliable and stable power supply to maintain productivity and reduce downtime. In the interview below, Juergen Zimmermann, Head of Business Development and Technology at Hitachi Energy, outlines some of the key challenges and opportunities facing the mining industry.

How can solar and wind energy be used in mining?

Solar and wind energy in combination with BESS are clear pathways for the energy transition in mining, while meeting energy production needs for long-term growth. The right integration of these different components is key to success. What lessons have been learned from operational storage projects for mines?

How can mining companies become energy self-sufficient?

Becoming energy self-sufficient. Overall, mining companies can start transforming their mines today as renewables, specifically solar PV, can now deliver a lower LCOE than diesel. Deployment of solar PV with BESS, for example, is an excellent hedging solution against diesel or gas price increases and/or future carbon costs.

Are electric haul trucks a viable solution for the mining industry?

The incorporation of electric-powered haul trucks is a huge opportunity for the mining industry. Designing a solution that can integrate battery-powered equipment with existing mining processes, without disrupting current (non-stop) operations, will be critical to achieving emission reduction targets.

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