Coal mine wind shaft power generation

Renewable energy sources like solar and wind are intermittent - which means they don"t always produce enough energy to power our homes when the conditions aren"t right. To overcome ...

A researcher from MIT and an energy company are collaborating to repurpose disused coal mining shafts for innovative geothermal electricity generation.

Abstract The development of wireless sensor network based on breeze power genera-tion is of great significance to promote the development of the intelligent mine. According to the underground ...

In the context of sustainable development, revitalising the coal sector is a key challenge. This article examines how five innovative technologies can transform abandoned or in-use coal ...

A disused coal mine in Wollongong will be the first test site for a renewable energy company that lowers weights down old mine shafts to spin turbines and create electricity.

The method is fairly simple. Excess renewable energy powers winches that lift weights, which, in this case, are located in old mine shafts. The suspended bulk represents stored energy, ...

In this paper, we perform an initial high-level screening of mine shafts that could, in principle, be suitable for the application of such technologies.

The utility model provides a wind power generation device for a coal mine wind shaft, which aims to solve the technical problem that underground ventilation air methane is directly...

But a new startup is breathing life into mining communities with an ingenious design that uses old mine shafts to generate energy. Gravitricity has devised a giant weight system that drops...

Scientists recently proposed repurposing old mine shafts to generate electricity by lowering containers of sand

and storing electricity by raising the sand back up again.

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