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Energy storage batteries and phosphate rock

Overview

Could a new discovery of phosphate rock impact the electric vehicle industry?

A new discovery of phosphate rock in Norway could have huge implications for the electric vehicle industry. A new discovery of phosphate rock in Norway could have huge implications for the electric vehicle industry. Phosphate is a key material used in lithium ion batteries, and demand is growing fast in the electric vehicle industry.

Could a new lithium ion battery deposit meet the world's phosphate rock needs?

Phosphate is one of the key materials used in one type of lithium ion battery, known as “LFP”, and demand for these batteries – and the underlying phosphate – is growing fast. It is therefore a very big deal that some commentators have suggested this new deposit could meet the world’s phosphate rock needs for the next half a century.

How phosphorus is used in lithium ion batteries?

Phosphate is a key material used in lithium ion batteries, and demand is growing fast in the electric vehicle industry. Only 10% of phosphorus found in sedimentary rock is suitable for making the high-purity phosphoric acid used in LFP (lithium iron phosphate) car batteries.

Can phosphorus be used to make car batteries?

Only 10% of phosphorus found in sedimentary rock is suitable for making the high-purity phosphoric acid used in LFP (lithium iron phosphate) car batteries. The discovery is still in the early stages, but it has the potential to be a major breakthrough for the electric vehicle industry.

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