Electrification in bus transport thanks to lithium

Whether in New York or in Germany, bus transport is increasingly being electrified.

In New York, it is a German company from Munich that is electrifying two electric bus fleets. The largest public bus fleet operator in the USA is also involved. Electric buses are also becoming more and more common in this country. Many public transport companies, for example, are planning to completely convert their bus fleets in the next few years. By 2040, up to 70 percent of all buses here are to be purely electric. This not only ensures a plus in terms of lower CO2 emissions but can also save costs. In New York, the new electric buses are expected to significantly reduce operating costs. The energy transition and electromobility belong together, as do electromobility, lithium-ion batteries and lithium as a raw material.

Until recently, the production of lithium-ion batteries was associated with Asia. Today, the USA and Europe are becoming important countries for the production of the batteries. The availability of lithium and its sustainable extraction are therefore coming into focus. After all, lithium will continue to be an essential component of batteries in the coming decades. Australia and Chile are currently responsible for around two-thirds of lithium production. Other countries are pushing into the market, for example Canada, Argentina, Mali and Brazil. There is agreement that global lithium production must be significantly expanded to meet demand.

For example, **ION Energy** - https://www.commodity-tv.com/play/ionenergy-recent-drill-results-indicate-a-shallow-lithium-brine-with-good-grades/ -, a junior lithium company with two lithium projects in Mongolia, is working on this. ION Energy's exploration licenses in mining-friendly Mongolia are among the largest there.

But not only the raw material lithium, also new generations of lithium-ion batteries are part of the development of the climate change. Here **Li-Metal** - https://www.commodity-tv.com/play/ionenergy-recent-drill-results-indicate-a-shallow-lithium-brine-with-good-grades/ - is working on battery anodes of the future in order to be able to supply large quantities of them cost-effectively.

Current company information and press releases from Li-Metal (- https://www.resource-capital.ch/en/companies/li-metal-corp/ -).

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