



## **Focus on new lithium-metal batteries**

The EU research project HIDDEN is in the process of researching and developing novel lithium-metal batteries to eliminate certain disadvantages of the lithium-ion batteries in focus today. Longer service life and higher energy density are the determining theme. Improved self-healing processes will increase the service life and energy density compared to the Li-Ion batteries by up to 50 percent. In addition, the manufacturing processes still need to be optimized. The very important goal is to prevent dendrite formation in lithium-metal batteries by appropriate measures. The researchers will assemble sample cells and then carefully review the results of the actions. It is expected that in about 3 years it will be possible for such innovative batteries to come to the market in a resource-saving and cost-effective manner.

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