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## Solid-state battery with salt instead of lithium - Interview



### PRESS RELEASE

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#### Solid-state battery with salt instead of lithium - Joint venture with Fraunhofer IKTS to help achieve breakthrough - Interview

In an interview with news.financial, Altech Advanced Materials AG CEO Uwe Ahrens goes into detail and explains the current state of research and development. The fully developed sodium-alumina solid-state battery is to be launched under the name CERENERGY®. According to board member Uwe Ahrens, a possible plant could be in production in 2025 or 2026 once planning is complete (DFS).

Board member Uwe Ahrens told news.financial:

- "Silumina Anode® is a ceramic-coated graphite/silicon anode composite material that is expected to improve the performance of lithium-ion batteries significantly. We intend to produce this in Schwarze Pumpe, Saxony. The pilot plant is already under construction."
- "We have been testing micro half cells successfully for over a year and can prove that this battery with our material shows stable results over 500 charge cycles."
- "In addition to Silumina Anode®, we now want to work with Fraunhofer IKTS to launch CERENERGY® battery technology, which has already been developed."
- "This battery is non-flammable and does not use any critical raw materials, such as lithium, cobalt or graphite, which are used in the lithium-ion battery. In CERENERGY® batteries, high-purity aluminum oxide is used for the ceramic solid electrolyte, and the cathode medium used is only common salt, not lithium."
- "CERENERGY® batteries are ideal for use as grid storage and are produced exclusively for this market and not for electromobility."
- "We want to create a production capacity of 100 MWh per year (line 1) at our Schwarze Pumpe site as a first step, and then scale up production quickly."

The full interview is available at <https://news.financial/interviews/interview-with-battery-pioneer-altech-advanced-materials-we-hit-a-nerve-with-potential-partners-and-investors>

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#### About Altech Advanced Materials AG

Altech Advanced Materials AG (ISIN: DE000A2LQUJ6), headquartered in Heidelberg, Germany, is a holding company listed on the Regulated Market of the Frankfurt Stock Exchange. The Company's objective is to participate in the market for lithium-ion batteries and thus in the rapidly growing field of electromobility as well as in the expected market development for further

applications of high-purity alumina (HPA).

Further information can be found at: [www.altechadvancedmaterials.com](http://www.altechadvancedmaterials.com)

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*The sodium nickel chloride cell / Fraunhofer IKT. Source: Altech Advanced Materials AG.*

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