

## Evonik sells TAeTTOOz® materials technology for printable rechargeable batteries to InnovationLab

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- InnovationLab aims to further commercialize technology
- Materials enable thin and flexible energy storage devices
- Wide range of possible applications, e.g. in health and logistics

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**Essen, Germany.** Evonik is selling the TAeTTOOz® materials technology for printable rechargeable batteries to the InnovationLab GmbH. The InnovationLab specializes in the development of printed and organic electronics and offers individual overall solutions from the first concept draft to the industrial production. Creavis, as the strategic innovation unit and business incubator of Evonik, has developed the TAeTTOOz® technology. In the future, however, Creavis will focus stronger on concepts for resource-conserving and sustainable production, as well as high-growth solutions that enable industries to become independent of fossil raw materials.

Redox polymers form the basis of the printable rechargeable batteries. The new materials can be processed into very thin, flexible battery cells using common printing processes. In the process, they allow developers a high degree of design freedom. In addition, battery cells manufactured with TAeTTOOz® technology do not contain liquid electrolytes and therefore cannot leak.

The company has previously cooperated with InnovationLab to develop new applications for materials technology. Dr. Michael Kröger, Managing Director at InnovationLab, is very pleased with the development: "The technology enables more efficient supply chains and innovative wearable devices for medical diagnostics. We are very confident that we will successfully commercialize the technology independently at the InnovationLab. "Dr. Michael Korell, responsible for the development of TAeTTOOz® at Evonik, said: "The technology has great potential that can be utilized in the best possible way under the leadership of InnovationLab, which focuses on printed and organic electronics."

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The TAeTTOOz® technology offers new possibilities for the increasing networking of everyday objects, the so-called "Internet of Things". When it is ready for commercial production, it can be used in the medical field for more convenient monitoring of vital functions. In addition, sensors with printed batteries can be used in the field of logistics to monitor sensitive goods.

#### **Company information**

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15 billion and an operating profit (adjusted EBITDA) of €2.38 billion in 2021. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. About 33,000 employees work together for a common purpose: We want to improve life today and tomorrow.

#### **Information about Creavis**

Climate change, population growth, and geopolitical uncertainties are confronting humanity with new challenges, some of them unprecedented. As a creator of visionary innovations, Creavis has been a role model for developing and deploying competencies for innovations and technologies for more than 20 years. As Evonik's strategic innovation unit and business incubator, we will focus even more strongly on pioneering and sustainable businesses for a world worth living in. To this end, we are actively driving forward the development of new economic ecosystems and value chains.

#### **Disclaimer**

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