



## Press Release

May 05, 2026

From specialty tapes to virtual adhesives: Henkel empowers battery innovators to build safer, lighter and more circular EV systems

### **Henkel expands beyond liquid adhesives and unleashes AI-driven battery innovation at the Battery Show Europe 2026**

Düsseldorf – At ‘The Battery Show Europe 2026’ (June 9-11, Messe Stuttgart, Germany), Henkel will showcase how it is evolving EV battery development – expanding beyond liquid adhesives into a broader portfolio of high-performance bonding solutions.

A key highlight is the introduction of Loctite Specialty Tapes, adding high-performance, water-based specialty tape technologies to Henkel’s offering and enabling new approaches to battery design and assembly. Combined with digital innovation such as AI-powered adhesive simulation, they demonstrate how Henkel’s technologies can address performance, safety and sustainability in parallel – enabling faster, more efficient battery innovation.

“As battery systems evolve, complexity is increasing – but so is the opportunity to rethink how we design, build and reuse them,” said Frank Kerstan, Head of E-Mobility Europe at Henkel. “With the expansion of our portfolio – including specialty tapes – and the integration of digital tools, we offer a truly end-to-end ecosystem that helps our customers innovate faster, reduce risk and unlock new performance levels across the battery lifecycle.”

#### **Henkel’s innovation highlights at The Battery Show Europe 2026**

##### **Virtual battery adhesives – accelerating development with AI**

Henkel’s Loctite Solve platform brings AI into early-stage battery design. Engineers can generate and simulate virtual adhesive formulations – existing or entirely new – thereby reducing reliance on physical prototyping and shortening development cycles. By creating digital twins of adhesives, manufacturers can evaluate performance earlier and make more informed, data-driven design decisions.

**LOCTITE TECHNOMELT BONDERITE TEROSON AQUENCE**

**Ceresit**



### **Lightweight battery solutions – reducing weight, increasing efficiency**

Henkel's adhesive solutions support the transition to lightweight battery architectures, including the use of thermoplastic substrates. These solutions enable meaningful weight reductions while maintaining structural integrity, thermal performance and safety – contributing to improved energy efficiency and vehicle range.

### **Functional coatings – enhancing performance and cost efficiency**

Henkel's precision-applied Bonderite coatings improve dielectric strength, thermal resistance and durability in battery and power electronics components. These solutions support long-term reliability in demanding operating conditions while enabling more efficient and cost-effective manufacturing processes.

### **Debonding-on-demand – enabling battery circularity**

Henkel's debonding-on-demand technologies support repairability, reuse and recycling by enabling battery components to be separated safely and non-destructively when required. At the show, Henkel will demonstrate thermally triggered debonding solutions that can be integrated into battery design to support circular economy models.

Henkel will further explore this topic during an expert session led by Elizaveta Kessler, titled "Technical requirements and design considerations for debonding in Cell-to-Pack EV battery systems".

### **Loctite Specialty Tapes – expanding performance and design flexibility**

With Loctite Specialty Tapes, Henkel expands its portfolio beyond liquid adhesives by introducing a complementary range of high-performance specialty tape solutions. These include water-based, low-VOC technologies designed to meet growing sustainability and performance requirements across battery applications.

The tapes fulfill multiple functions in battery assemblies, including bonding, insulation, shielding, protection and thermal management. They enable fast, clean and consistent application, helping manufacturers streamline production, reduce complexity and scale efficiently while supporting more flexible and efficient battery designs.

### **Driving the future of battery innovation**

With this integrated portfolio, Henkel reinforces its focus on delivering end-to-end solutions across the entire battery lifecycle – from design and manufacturing to use, repair and recycling. By combining materials expertise with digital capabilities and expanding into specialty tapes, Henkel enables OEMs and battery manufacturers to accelerate innovation, improve sustainability and stay competitive in a rapidly evolving market.

Visitors can experience Henkel's solutions first-hand at The Battery Show Europe 2026, Hall 1, Booth J10, and attend the expert session in Room C5, Track B, on Wednesday, June 10 at 4:00 pm.

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### **About Henkel**

With its brands, innovations and technologies, Henkel holds leading market positions worldwide in the industrial and consumer businesses. The business unit Adhesive Technologies is the global leader in the market for adhesives, sealants and coatings. With Consumer Brands, the company holds leading positions especially in laundry & home care and hair in many markets and categories around the world. The company's three strongest brands are Loctite, Persil and Schwarzkopf. In fiscal 2025, Henkel reported sales of about 20.5 billion euros and adjusted operating profit of around 3.0 billion euros. Henkel's preferred shares are listed in the German stock index DAX. Sustainability has a long tradition at Henkel, and the company has a clear sustainability strategy with specific targets. Henkel was founded in 1876 and today employs a diverse team of about 47,000 people worldwide – united by a strong corporate culture, shared values and a common purpose: "Pioneers at heart for the good of generations." More information at [www.henkel.com](http://www.henkel.com)

**Photo material is available at [www.henkel.com/press](http://www.henkel.com/press)**

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Henkel AG & Co. KGaA



Henkel Adhesive Technologies

# HENKEL'S HIGHLIGHTS AT ***THE BATTERY SHOW EUROPE 2026***

**JUNE 9 - 11, 2026 | MESSE STUTTGART, GERMANY | HALL 1 - BOOTH J10**

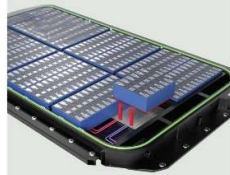
## **LOCTITE SOLVE**



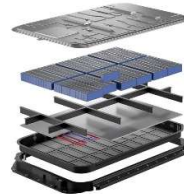
**VIRTUAL  
BATTERY ADHESIVES**



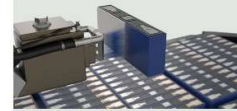
**LOCTITE SPECIALTY  
TAPES**



**BATTERY  
DEBONDING-ON-DEMAND**



**LIGHTWEIGHT  
BATTERY SOLUTIONS**



**FUNCTIONAL COATINGS**

Henkel's highlights at the Battery Show Europe 2026.