



Press Release

September 10, 2024

New E-Mobility testing capabilities for OEMs and battery manufacturers

Henkel strengthens Battery Engineering Center with the opening of a state-of-the-art battery testing facility

Düsseldorf – Marking a significant enhancement to its capabilities in E-Mobility, Henkel today announced the opening of its state-of-the-art Battery Test Center at the company's headquarters in Düsseldorf. This cutting-edge facility is an essential addition to Henkel's Battery Engineering Center, which was first introduced in September 2023 with the launch of the Battery Application Center. With the opening of the Battery Test Center, Henkel is reinforcing its position as a leading design and innovation partner for automotive OEMs and battery manufacturers in the rapidly evolving E-Mobility sector.

The Battery Test Center, which has been fully operational since September 2024, offers a wide range of testing solutions for battery systems, addressing the most critical challenges in electric vehicle (EV) battery design and development. The new facility is equipped with advanced technologies including environmental simulation with temperature and humidity regulation, fast charging and discharging, leakage tests, and aging tests. This state-of-the-art infrastructure underscores Henkel's commitment to pushing the boundaries of battery innovation and supporting its partners in the development of safer, more sustainable, and higher-performing battery systems.

"With the opening of the Battery Test Center, we are taking a significant step forward in our mission to drive sustainable innovation in the E-Mobility sector," said George Kazantzis, Global Head of Henkel's Automotive Components business unit. "Our Battery Engineering Center now offers unparalleled end-to-end solutions, from early-stage design and simulation using digital twins and virtual material cards, to full-scale testing and validation. This enables our customers to accelerate their development cycles and bring the next generation of EV batteries to market faster and more efficiently, pushing the industry towards net zero emission mobility."

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The Battery Test Center is TISAX-certified and features a test rig with a climate chamber and a wide range of testing capabilities, ensuring the highest standards of safety and reliability in battery system testing. A key advantage Henkel offers to its customers through the Battery Test Center is the ability to create a digital twin of any battery, applying Henkel's advanced materials through digital material cards, running scenario simulations, and then validating the results in the real-world system. This includes debonding trials in active battery packs to enable battery circularity. This unique combination of digital simulation and real-world application, testing, and validation provides OEMs and battery manufacturers with a powerful toolset to optimize their battery designs and address the pressing demands of the E-Mobility market.

"At Henkel, we believe that innovation is driven by collaboration," said Dr. Stefan Kreiling, Global Head of Innovation, Automotive Components at Henkel. "Our Battery Engineering Center is designed to foster close partnerships with our customers, enabling them to work alongside our experts and leverage our advanced capabilities in modeling, simulation, and testing. The opening of the Battery Test Center marks a significant milestone in our ongoing efforts to drive the development of cutting-edge battery technologies."

The Battery Engineering Center at Henkel's Inspiration Center Düsseldorf represents a unique hub for battery innovation, bringing together a multidisciplinary team of experts and the latest technologies under one roof. With the addition of the Battery Test Center, Henkel is now better equipped than ever to co-innovate with its partners, empowering them to tackle the challenges of the future and drive the advancement of E-Mobility solutions on a global scale. This facility marks the start of Henkel's global network of Battery Engineering Centers, with upcoming locations in the U.S. and China, enabling seamless cross-regional collaboration and strengthening Henkel's leadership in the E-Mobility sector.

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 functional 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 2023, Henkel reported sales of more than 21.5 billion euros and adjusted operating profit of around 2.6 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 48,000 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

Photo material is available at www.henkel.com/press

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Henkel's Battery Test Center, an integral part of its groundbreaking Battery Engineering Center.



Inside the Battery Test Center, where a wide range of temperature and humidity tests are performed on active batteries through the climate chamber.