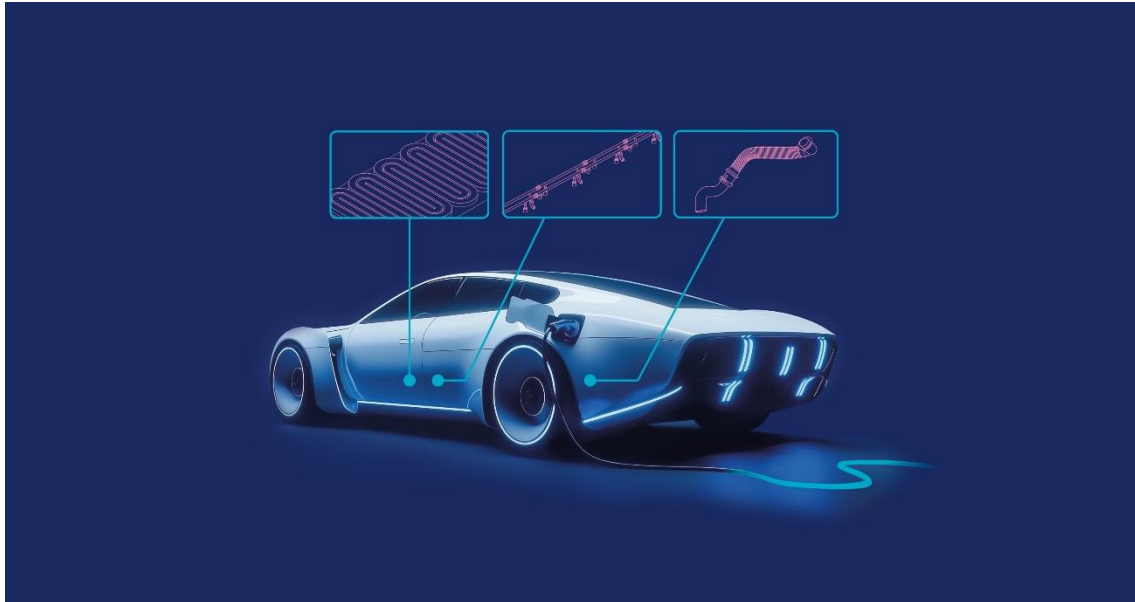


Debut at The Battery Show Europe 2025: Witzenmann showcases pioneering piping solutions for e-mobility

For the first time exhibiting at [The Battery Show Europe](#) in Stuttgart, Witzenmann GmbH will present its high-performance piping systems for thermal management of drive batteries in electric vehicles from 3 to 5 June 2025. In focus: venting pipes, battery cooling pipes and the cool reflex plate – designed to deliver efficient, safe and sustainable performance in modern hybrid and electric vehicles.



With its three products – cool reflex plate, battery cooling pipe and venting pipe – Witzenmann is actively shaping the e-mobility of tomorrow: innovative, safe and efficient. (Photo source: Witzenmann)

From 3 to 5 June 2025, Witzenmann will make its debut at The Battery Show Europe in Stuttgart, showcasing three key solutions in hall 7, booth 7-F61, focusing on piping systems and intelligent thermal management: the venting pipes, battery cooling pipes and cool reflex plate – engineered for precision and flexibility. "Our systems are more than just technology – they represent our contribution to safe and efficient e-mobility. With The Battery Show, we're entering a key stage to present our holistic solutions to an international audience of experts," says Marcel Horgos, Key Account Manager at Witzenmann. In addition to exciting exhibits, visitors can look forward to expert discussions on-site.

Safety in critical situations: targeted emission of harmful gases thanks to venting pipes

The increasing electrification of vehicles poses new demands on vehicle safety – especially in handling thermal events within high-voltage batteries. This is exactly where Witzenmann's venting pipes come into play: the system has been specifically developed to quickly and safely vent harmful gases from the battery housing to non-critical areas in the event of thermal propagation. This not only prevents flame formation but also provides vehicle occupants with vital extra minutes to evacuate safely. The heat-resistant design (withstands over 1,000°C) and gas-tight construction make this space-efficient and crash-proof solution a reliable safety component in modern electric vehicles. Over seven million serial parts are already in use worldwide – clear proof of Witzenmann's longstanding development expertise and the trust placed in it by leading OEMs as a partner for safety-critical vehicle systems.

Compact, flexible, modular – battery cooling pipes from Witzenmann

Batteries are the heart of modern hybrid and electric vehicles – their temperature directly impacts range, efficiency and lifespan. To prevent critical overheating, Witzenmann's battery cooling pipes play a crucial role: the flexible metallic pipes, with wall thicknesses starting from just 0.1 mm, actively cool or heat the battery to ensure precise temperature regulation. They combine a space-saving design with high fire resistance and offer a cost-neutral alternative to plastic pipes – with clear advantages in terms of thermal expansion, sealing and durability. Thanks to a modular design using sustainable materials, the systems can be precisely tailored to customer specifications and integrated into existing vehicle architectures. Numerous OEMs already rely on this solution – and for good reason: even in the tightest installation spaces, it meets the highest requirements for efficiency, safety and integration.

Stainless steel instead of aluminium – innovation in battery temperature control

With the cool reflex plate, Witzenmann is revolutionising battery thermal management: made from ultra-thin stainless steel (from 0.1 mm), it enables outstanding thermal transfer with minimal material usage and high mechanical resilience. Its exceptional flexibility eliminates the need for additional materials such as thermal interface materials or gap fillers typically used to enhance heat transfer. This delivers a clear cost advantage while also extending the battery's service life. Even in the case of cell deformation (swelling), the plates adapt perfectly and can actively protect the battery cells through targeted counterpressure. Thanks to its high melting point, the cool reflex plate also acts as a passive safeguard against thermal propagation and stands out as a fully recyclable, sustainable alternative to aluminium-based solutions.

From prototype to series production: development partner with extensive manufacturing capabilities

As an experienced development partner for integrated piping and thermal management solutions, Witzenmann offers full-service development and bespoke production from a single source. With maximum flexibility and the ability to continuously adapt to customers' individual requirements, Witzenmann develops solutions that not only meet today's standards but are also equipped to tackle future challenges. Its high level of vertical integration and rigorous quality controls ensure consistently high product quality – from small series to mass production.

Get in touch

Visitors to the trade fair are invited to engage directly with Witzenmann's team of experts. For interview requests and further information, please contact Natalie Krauter as press contact.

The Witzenmann Group

The Witzenmann Group is the world's leading expert in the safe and efficient transmission of media and energy for mobility and industry. Its headquarters are in Pforzheim. With a total of 22 companies in 16 countries worldwide, the family-owned company employs around 4,400 people. Turnover of € 740 million was achieved in 2024.

Innovation, technology and digital pioneering work characterise Witzenmann: The company is the development partner with the world's broadest product range of metal hoses, expansion joints, metal bellows, pipe supports, piping systems and vehicle parts and offers its customers from a wide range of industries intelligent product solutions and services.

Further information is available at:



Witzenmann: <https://www.witzenmann.de/de/>
Innovation: <https://www.witzenmann.co.uk/en/innovation/>
New Mobility: <https://www.witzenmann.co.uk/en/solutions/automotive-engineering/new-mobility/>



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Images and captions



Caption: With its three products – cool reflex plate, battery cooling pipe and venting pipe – Witzenmann is actively shaping the e-mobility of tomorrow: innovative, safe and efficient.
Photo source: Witzenmann GmbH



Caption: With ultra-thin, fully recyclable stainless steel plates, Witzenmann enables efficient and sustainable battery cooling.
Photo source: Witzenmann GmbH



Caption: The problem-solver: The battery cooling pipe ensures precise temperature control – by actively cooling or heating the battery.

Photo source: Witzenmann GmbH



Caption: The life-saver: The venting pipe provides crucial minutes in an emergency, allowing occupants to exit the vehicle safely.

Photo source: Witzenmann GmbH

You can **download the images** under the following link:

<https://share.followred.com/index.php/s/xWdF2if9ktkkcsf>