



Press Release

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Adhesive Technologies to expand expertise in sustainable timber construction

Henkel invests in hardwood technology start-up 3RT

Düsseldorf, Germany – Henkel Adhesive Technologies strengthens its capabilities for timber construction solutions by investing in 3RT, Melbourne, Australia. Together with partners the company has developed a robotic process to convert forest and plantation residue into high-quality and unique hardwood products. With the investment Henkel aims to further expand its Engineered Wood business and to drive the implementation of sustainable future-oriented technologies.

The investment is made through [Henkel Tech Ventures](#). "As part of our venturing activities we are looking for novel and scalable technologies complementing our existing portfolio in adhesives, sealants and functional coatings," explains Paolo Bavaj, Head of Corporate Venturing at Henkel Adhesive Technologies. "We believe that the combination of 3RT's capabilities with Henkel's unique expertise offers the potential to further expand the market for engineered wood applications."

Henkel is a leading provider of engineered wood solutions globally. Through its Engineered Wood business, the company offers high-impact structural adhesives under the well-known Loctite brand that enable the manufacturing of mass timber products for wooden beams, trusses, walls and floors. Mass timber is a high-performance building material that replaces concrete and steel in many construction applications as it is more sustainable, renewable and shows a lower CO₂ footprint. High-tech adhesives from Henkel are crucial for the production of safe and sustainable engineered wood, and thus contribute to a significant reduction in the buildings' carbon footprint. For more information, please visit: [Engineered Wood - Henkel Adhesives \(henkel-adhesives.com\)](#)

"In order to expand and promote the use of wood as a material in construction and in buildings, Henkel continuously looks for partners with innovative technologies. 3RTs technology allows a more sustainable and innovative production of hardwood products that

have the potential for a wide range of structural and decorative applications,” says Christian Fild, Global Head of the Engineered Wood business at Henkel. Acknowledging Henkel’s [sustainability ambition for 2030](#), this investment plays an important role in enabling customers to achieve their own sustainability targets.

Founded in 2014, 3RT has developed a novel automated production process for converting low-value wood fibre into hardwood products. Based on a patented process, 3RT applies a water-based, formaldehyde-free “Nano-bonding agent” that biomimics the structure of a natural tree. The technology platform uses advanced robotics and smart automation to create products of high-quality appearance and is 100% natural and recyclable.

“3RT is focused on continuous improvement both in the fields of new material properties and methods of production to help address the significant environmental and supply challenges relating to old growth forests. In addition to our partnerships with Flinders University and Bosch, this partnership with Henkel will assist in turbocharging our technological advancements and global expansion”, says Peter Torreele, Managing Director of 3RT.

About Henkel

Henkel operates globally with a well-balanced and diversified portfolio. The company holds leading positions with its three business units in both industrial and consumer businesses thanks to strong brands, innovations and technologies. Henkel Adhesive Technologies is the global leader in the adhesives market – across all industry segments worldwide. In its Laundry & Home Care and Beauty Care businesses, Henkel holds leading positions in many markets and categories around the world. Founded in 1876, Henkel looks back on more than 140 years of success. In 2021, Henkel reported sales of more than 20 billion euros and an adjusted operating profit of about 2.7 billion euros. The company employs more than 52,000 people globally – a passionate and highly diverse team, united by a strong company culture, a common purpose, and shared values. As a recognized leader in sustainability, Henkel holds top positions in many international indices and rankings. Henkel’s preferred shares are listed in the German stock index DAX. For more information, please visit www.henkel.com.

About Henkel Tech Ventures

Henkel Tech Ventures is the corporate venture capital arm of Henkel Adhesive Technologies, established in 2016. Headquartered in Düsseldorf, it functions as a connector between external innovators and Henkel. Through networking, consulting, partnerships and investments, the unit supports the growth of startups and at the same time enhances Henkel’s new business development efforts. For more information, please visit www.henkel-tech.ventures.

About 3RT

3RT are the next frontier in sustainable timber technology, addressing the significant environmental and supply challenges relating to old growth forests. Headquartered in Melbourne Victoria, its world-first Australian technology converts low value wood fibre into premium hardwoods with the look, feel and properties of 100-year-old trees. The highly automated process utilises plug-and-play Digital Production Units to biomimic the natural growing process of trees in just 1 day. The resulting scientifically engineered timber duplicates mature hardwood so faithfully that it is suitable for an endless range of structural and decorative applications. For more information, please visit www.3rt.com.au.

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

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