



Press Release

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New brand for data-enabled services in Maintenance, Repair and Overhaul

Henkel launches Loctite Pulse during AUTOMA CONGRESS

Düsseldorf, Germany – Henkel Adhesive Technologies, a global leading manufacturer of adhesives, sealants and functional coatings, has chosen AUTOMA 2021 to introduce Loctite Pulse, a novel portfolio of Industrial Internet of Things (IIOT) solutions designed to minimize downtime, save maintenance costs and underpin safety as well as sustainability. These data-enabled solutions empower industry to increase maintenance efficiency and effectiveness by monitoring the status of critical assets in real time and to pre-empt failure by providing actionable maintenance recommendations.

“With Loctite Pulse, we bring cold steel to life by giving industrial equipment a ‘pulse’. This enables us to continuously monitor the vital signs of operational health and make prescriptive recommendations to correct any shortfall in efficiency,” explained Dr. Michael Honné, Head of MRO 4.0/Industry 4.0 at Henkel Adhesive Technologies.

First to market – and making its world debut at AUTOMA 2021 – is the Loctite Pulse Smart Leak Detection System, primarily aimed at the oil and gas industries and pipeline operators, but with significant scope in the wider processing sector. It’s just one example of the comprehensive range of innovative data-enabled solutions that Henkel Adhesive Technologies has developed and will be phasing-in during the coming months.

Based on novel sensor technology embedded in a seal, the Loctite Pulse Smart Leak Detection System continuously monitors the tightness of critical flanges and accurately predicts hydrocarbon leaks before they reach the environment. This solution addresses an often-underestimated problem that results in considerable downtime and maintenance costs every year.

The value added by this new data-enabled service for leak prediction can add up to more than one million Euro per year for a small- to medium sized refinery – but the benefit is not just economic. The Loctite Pulse Smart Leak Detection System also contributes to environmental protection, enhanced workplace safety and sustainability, helping operators to cut their carbon footprint and optimize resource consumption.

This Smart Leak Detection System provides an insight into how Loctite Pulse solutions will distinguish themselves from existing maintenance solutions. This particular solution can replace a mainly manual process with efficient, continuous monitoring and prediction. Thus, the Loctite Pulse Smart Leak Detection System brings a real innovation to the market which will be an inherent feature of all products of the brand in the future.

Loctite Pulse data-enabled maintenance solutions are built on Henkel Adhesive Technologies' decades of experience and market-leading position in the field of industrial maintenance and combined with the latest in sensing technology, smart materials and data analytics to help customers bring their maintenance programs into the digital era.

With its introduction of the Loctite Pulse brand, Henkel Adhesives Technologies commits to addressing the needs of the broadest range of users, from key industries such as oil, gas and chemical processing to small- and medium-sized enterprises and companies with limited expertise in predictive maintenance. These as-a-service solutions present an attractive and transparent business case, especially as they are equipment/asset OEM independent and retrofittable into existing installed bases.

Dr. Kourosh Bahrami, Corporate Vice President, General Manufacturing and Maintenance, Henkel Adhesive Technologies concludes: "As a global leader in adhesives, sealants and functional coatings solutions, we already empower our customers to minimize downtime, increase efficiency and extend equipment life. With Loctite Pulse, we are taking the next logical step by offering our customers this digital and data-enabled portfolio of predictive and prescriptive maintenance solutions that will elevate operational efficiency to the next level."

LOCTITE® is a registered trademark of Henkel and/or its affiliates in the USA, Germany and elsewhere.

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 2020, Henkel reported sales of more than 19 billion euros and adjusted operating profit of about 2.6 billion euros. Henkel employs about 53,000 people globally – a passionate and highly diverse team, united by a strong company culture 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.

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