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Rheinmetall and Hologate sign strategic cooperation agreement for XR and VR simulation solutions

Düsseldorf-based Rheinmetall AG, a leading company in the field of defence and security technologies, and Hologate, the world's leading provider of advanced Extended Reality (XR) solutions in the fields of simulation and entertainment, plan to cooperate closely in the development of innovative simulation solutions in the future.

The strategic cooperation aims to advance developments that are crucial for modern military training.

In a world where the requirements for training systems and methods for educating drivers are becoming increasingly complex, realistic and highly advanced simulation technologies are essential. By combining Rheinmetall's extensive expertise in the field of military training systems and Hologate's expertise in the development of XR simulation technologies, a new level of simulation capabilities is created.

"This partnership is an important step for Rheinmetall in further expanding our portfolio of VR/XR training and simulation solutions," explained Hanno Tabeling, Head of System Technology for Driving Simulation at Rheinmetall. "With Hologate's state-of-the-art software, we will be able to offer our customers even more realistic and flexible training options. The development of a VR driving simulator for training military drivers is the first tangible result of our collaboration".

Hologate brings in extensive expertise from projects with the German armed forces and police, where XR technologies meet the highest training standards. The AI- and trainer-controlled solutions enable a holistic and realistic training experience.

The mobile XR motion simulator HGXR SIM enables a wide range of applications, including helicopter, truck and boat simulations. Thanks to its open system architecture and virtual control panels, it is possible to switch quickly between different vehicle models simply by pushing a button. This flexibility saves resources, increases efficiency and reduces costs.

The advanced motion tracking technology minimizes latency and simulates dynamic G-forces of up to 2g. A motion range of one meter lift and tilts up to 30 degrees offers a precise and realistic training environment. The combination of quality, flexibility and cost efficiency makes the simulator ideal for a wide range of training scenarios and locations.



► Key facts

- Rheinmetall and Hologate announce the start of a strategic cooperation
- The aim is to develop innovative simulation solutions
- Both companies combine expertise in military training systems and XR simulation technologies

► Contact

Oliver Hoffmann
Head of Public Relations
Rheinmetall AG
Tel.: +49-(0)211 473 4748
oliver.hoffmann@rheinmetall.com

Dr. phil. Jan-Phillipp Weisswange
Deputy Head of Public Relations
Rheinmetall AG
Tel.: +49-(0)211 473 4287
jan-philipp.weisswange@rheinmetall.com

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“The partnership with Rheinmetall is an important step forward for us,” explains Leif Petersen, CEO of HOLOGATE. “By combining our expertise in XR technologies with Rheinmetall’s extensive know-how, we can develop innovative simulation solutions that set new standards”.

The strategic partnership underlines the joint efforts of both companies to optimize the effectiveness of modern technologies. Adapted to the present and future challenges in military (basic) training for military drivers and other crew members, innovative solutions for the specific requirements of customers worldwide can be offered in the future.

About Hologate / HGXR:

Hologate is a market-leading immersive media company specializing in innovative extended reality (XR) solutions for entertainment and enterprise. With the world’s largest location-based VR network, HOLOGATE’s unforgettable virtual experiences and solutions are revolutionizing the way the world experiences entertainment, training and simulation. As a pioneer and innovation driver with a recognized track record in the industry, Hologate is well positioned with its products in the age of spatial computing.

The HGXR division offers innovative high-end Extended Reality (XR) solutions for training and simulation. HGXR’s end-to-end solutions provide maximum flexibility in terms of space and usability. With HGXR systems, any real-world situation can be simulated, visualized and trained flexibly and efficiently in virtual space. Our customers include, among others, police and military.

About Rheinmetall:

Based in Düsseldorf, Rheinmetall AG is an internationally operating technology corporation. Founded in 1889, the company is a leading systems supplier for the defence industry and, at the same time, a driver of forward-looking technological and industrial innovations in civil markets. With around 30,000 employees at 174 sites worldwide, the company, listed on the DAX40 since March 2023, generated sales of €7.2bn in the 2023 business year.

Rheinmetall Electronics GmbH supplies mission equipment as well as training solutions to armed forces, government agencies and civil customers. The company offers a comprehensive range of products and services for armed forces, civil security forces and industry partners. In close cooperation with the customer, Rheinmetall Electronics designs, develops and produces high-end products and integrates complex system solutions.

As systems become ever more complex, the armed forces expect cost-effective training solutions throughout the entire lifecycle of the original systems. Rheinmetall offers tailored solutions for the target-oriented training of soldiers, ranging from fundamental e-learning to sophisticated simulators and complex training centres.

As one of the world’s largest suppliers of systems and equipment for all branches of the military, Rheinmetall is a competent partner for the innovative use of advanced training technology in the field of live, constructive and virtual simulation.

