

20 March 2026

## Drones, robots, satellites: Rheinmetall presents itself at the XPONENTIAL Europe 2026

Rheinmetall AG will be participating in the specialised trade fair XPONENTIAL Europe 2026 in Düsseldorf from 24 to 26 March 2026. The event is one of the most recognized European trade fairs for autonomous systems, robotics and unmanned technologies. This year, for the first time, special attention is being paid to the topic of security and defence.

The Düsseldorf-based technology group is showcasing a wide range of unmanned solutions within the land, air, and space domains at the trade show. These include amongst others drones, satellites, robotic systems and applications for teleoperated driving via 5G mobile networks. Among the new products Rheinmetall is presenting at XPONENTIAL 2026 are:

### Loitering Munition FV-014:

The FV-014 is a modern loitering munition system, specifically designed to meet the requirements of today's and tomorrow's battlefield. As a portable reconnaissance and strike-drone, it combines reconnaissance capabilities with accurate impact strikes in a flexible solution, giving armed forces significant



operational advantages from a distance. In the field, the FV-014 can first observe and analyse targets in order to strike precisely at the right moment. The operator remains involved in the decision-making process at all times. In this way, the system helps to minimize collateral damage, protect own forces, and engage at critical targets

quickly, in a controlled manner, and effectively. The FV-014 is also a key component of Rheinmetall's Reconnaissance and Strike Network (AWV). This network encompasses all necessary systems for reconnaissance and combat missions and combines coordinated strike capabilities with rapid responsiveness.

## ► Key facts

- Rheinmetall being an exhibitor at the XPONENTIAL Europe 2026 (24 -26 March)
- Booth C25/Hall 1
- Amongst other things, the company is showcasing robots, drones, and satellites

## ► Contact

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**c-UAS Interceptor drone:** Rheinmetall's c-UAS Interceptor drone (RV-005) is a specialized "hard-kill" effector, designed to counter small unmanned aerial vehicles and is part of the company's comprehensive drone defence toolbox. The system neutralizes enemy drones through a targeted physical collision or by means of a warhead, with modern AI technology enabling a precise approach even under the influence of radio jamming. The RV-005 can be integrated as an effector into any command-and-control system for drone defence. Threats can therefore be detected reliably, characterized and hence, physically neutralized at low cost, even within the framework of a "multi-layer defence." Thanks to these capabilities, the drone is ideally suited for protecting critical infrastructure and sensitive airspace, such as airports or during major events.



### **SAR-Satellites (Synthetic Aperture Radar):**

SAR (Synthetic Aperture Radar) satellites are modern reconnaissance systems that provide high-resolution radar images of the Earth's surface regardless of the time of day or weather conditions. Using active radar signals, they gather detailed information even in dense clouds, fog, smoke, or complete darkness. For



modern armed forces, this data forms an essential basis for real-time operational assessment, target detection and surveillance. Through the joint venture, Rheinmetall ICEYE Space Solutions, a sovereign German satellite constellation is being established in Neuss on the Lower Rhine region, ensuring a secure and controlled flow of information. Space-based reconnaissance is considered a central component of the digital transformation of defence and national security.

### **Collaborative robot YARO Cobot:**

The YARO Cobot was designed for environments where other robots fail. With advanced AI, a robust design, and customizable options, it is the ideal tool for complex tasks in the harshest conditions. The hard-coated aluminium frame ensures resistance to salt, fog and corrosion in harsh outdoor environments. IP67- and IP69-certified, it is fully dustproof and waterproof for reliable operation in wet, dusty environments. "Force Control" enables precise handling for difficult tasks, even under extreme conditions. Vibration absorption and corresponding sensors ensure precision in environments with strong vibrations. Custom sensor heads adapt the YARO Cobot for tasks such as chemical detection or spatial measurements. The robot operates reliably at temperatures ranging from -20°C to 50°C.



### **Operator's stand and control centre for remote operations:**

With its exhibit, Rheinmetall subsidiary MIRA GmbH showcases key elements of its teleoperation solution for use in public road traffic. The focus is on the driver's console, from which a vehicle can be



teleoperated and guided in real time. The workstation is designed so that all vehicle functions relevant to driving can be operated and controlled remotely. Via the screens, the "remote driver" receives high-resolution video streams from the vehicle cameras to continuously monitor traffic conditions and safely perform driving tasks. In addition, MIRA is presenting the Control Centre at the trade show as the central control and command unit of the entire system. This is where all information relevant to operations converges; where driving missions are monitored and coordinated; and where driving tasks are relayed to the respective Control Station. The interaction between the Control Centre and the driver's console demonstrates how teleoperated vehicles can be controlled efficiently, safely, and in a scalable manner.

### **Rheinmetall – driver of the digital transformation of the armed forces**

At XPONENTIAL, Rheinmetall is positioning itself as a leading international systems provider driving the digital transformation of armed forces and delivering innovative mobility solutions for civilian applications. In doing so, the company underscores its commitment to establishing unmanned technologies as a central element of modern defence and ensuring information superiority on the battlefield. As a global player, the Group is presenting ahead-looking solutions for networked operations in the coming decade during the trade show. In doing so, Rheinmetall is making a decisive contribution to national and international security in an ever-changing world. Visitors to XPONENTIAL Europe 2026 can learn about Rheinmetall's extensive portfolio at booth C25 in hall 1.