PRESS RELEASE

▶DIVISIONS *VEHICLE SYSTEMS, WEAPON AND AMMUNITION, ELECTRONIC SOLUTIONS*

7 September 2021

Rheinmetall and RBSL attend DSEI 2021

The DSEI 2021 defence show takes place this year in London from 14 to 17 September. This year's motto is "Powering Progress – Defining Your Future". Rheinmetall and its joint venture company Rheinmetall BAE Systems Land (RBSL) will be on hand, showcasing some of their activities and products at stand H5-110. These include key projects relating to the revamp of Her Majesty's Armed Forces:

Boxer Mechanised Infantry Vehicle (MIV)

In November 2019, the UK Ministry of Defence (MOD) awarded the MIV contract via OCCAR to Artec GmbH – a joint venture between Rheinmetall and Krauss-Maffei Wegmann (KMW). The contract will deliver over 500 Boxer vehicles across four variants: troop transporters, command vehicles, field ambulances and specialist carriers.

Manufacture of the Boxer vehicles has been subcontracted between UK companies, RBSL and WFEL. RBSL has placed a number of UK supplier contracts to support delivery of the vehicles and, in June 2021, welding on the first prototype began at Rheinmetall's plant in Kassel.

RBSL and Rheinmetall are working closely together to ensure the transfer of knowledge and technology to deliver Boxer at the highest quality. Delivery of Rheinmetall and RBSL's portion of the vehicles is due from 2023. Rheinmetall and RBSL will showcase a Boxer vehicle at DSEI.

Challenger 3 programme

As announced in May 2021, RBSL will be transforming a total of 148 Challenger 2 Main Battle Tanks into the new Challenger 3 configuration.

The upgrade includes a new turret incorporating digital system architecture and Rheinmetall's tried-and-tested 120mm smoothbore L55A1 tank gun and state-of-the-art Kinetic Energy tank rounds and the latest programmable High Explosive multipurpose ammunition.

The Challenger 3 will be a network-enabled digital MBT that combines maximum lethality with greatly improved battlefield survivability. Rheinmetall and RBSL will showcase the Challenger 3 demonstrator vehicle at DSEI.

Several other innovative products will also be on display in London, including

▶ Key facts

- At DSEI 2021, from 14 to 17 September, Rheinmetall is showcasing a wide array of projects and activities at stand H5-110
- Joint appearance with Rheinmetall BAE Systems Land (RBSL) joint venture
- Highlights include the Boxer MIV, the Challenger 3 programme, Rheinmetall's self-propelled howitzer mounted on a HX3 truck, the Mission Master SP and XT robotic vehicles, air defence, and soldier systems

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Rheinmetall's HX3 10x10 wheeled self-propelled howitzer

The Group's new HX3 generation stands out on account of its improved crew protection, even greater mobility, enhanced driving comfort and digital interface architecture, resulting in even greater operational flexibility as well as creating scope for future performance upgrades.

The HX3 builds on the highly-prized core strengths and family concept of its HX2 predecessor, to become an even more advanced mobile platform for complex weapon and radar systems.

These include truck-based artillery systems, which are likely to play an increasingly prominent role in coming years. On show at DSEI is the Rheinmetall wheeled self-propelled howitzer mounted on a high-mobility HX 10x10 chassis. It is equipped with a highly protected cab and a fully automatic, remote-controlled artillery turret. The HX 10x10 will serve in future as a standard platform for a variety of artillery systems and similar military hardware.

The Mission Master family

Robotics today is already changing the face of the modern battlefield. Cargo and fire support versions of Rheinmetall's unmanned Mission Master SP ("Silent Partner") are already being evaluated under the British Army's Robotic Platoon Vehicle programme.

As recently as June 2021, Rheinmetall unveiled a new member of its growing family of unmanned vehicles: the Mission Master XT. Designed to carry heavy payloads in extreme terrain, this AUGV will be on display for the first time in the United Kingdom.

High-mobility ground-based air defence systems are gaining fresh importance now that NATO armed forces are pivoting back to a national and alliance defence role. Rheinmetall's Skyranger systems, armed with 35mm or 30mm automatic cannon and other effectors, can be mounted on tracked or wheeled armoured vehicles such as the Boxer or Lynx.

As a high-tech specialist for security and mobility, Rheinmetall actively supports the ongoing process of digitizing the armed forces. Rheinmetall sets an especially high standard, drawing on its extensive experience in sensors, effectors, networking, C4I and soldier systems.

Rheinmetall's comprehensive expertise in force protection technology ranges from individual passive ballistic solutions, like hard ballistic inserts for bullet-resistant vests, to state-of-the art standoff active protection systems. At DSEI 2021, Rheinmetall is presenting the StrikeShield, an integrated module for vehicles that combines active and passive force protection technologies.

The Group is also one of the world's foremost producers of training and simulation solutions, contributing materially to the high operational readiness and effectiveness of modern armed forces and security services. At DSEI 2021 Rheinmetall will be highlighting its "Osiris" constructive simulation for staff exercises and operational research as well as the Legatus live training system.

During DSEI 2021, Rheinmetall will be exhibiting its wide-ranging expertise in almost all capability categories. These include weapon and ammunition systems that enable scalable, threat-commensurate engagement of targets, plus innovative, network-capable sensor systems for applications on land, at sea and in the air. We look forward to welcoming you to stand H5-110 at DSEI 2021!

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