



DIGITAL **WORLDS**

SMART TRANSFORMATION

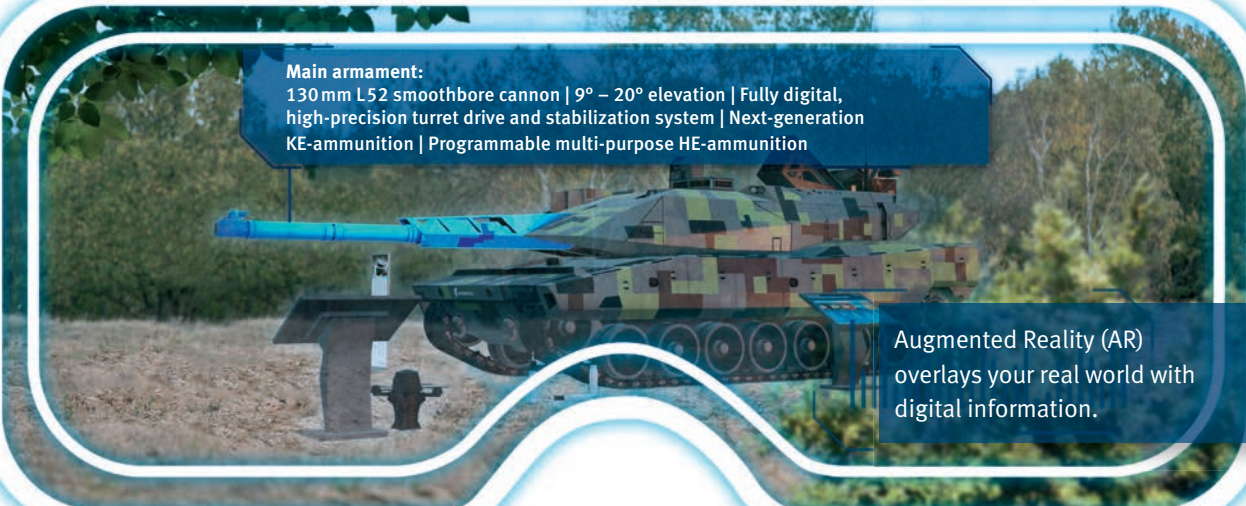
**VIRTUAL WORLD FOR THE OPTIMIZATION OF MILITARY
AND CIVILIAN PROCESSES**

TAKING RESPONSIBILITY IN A CHANGING WORLD

 **RHEINMETALL**



Virtual Reality (VR) takes you into a completely different world.



Main armament:
130 mm L52 smoothbore cannon | 9° – 20° elevation | Fully digital, high-precision turret drive and stabilization system | Next-generation KE-ammunition | Programmable multi-purpose HE-ammunition

Augmented Reality (AR) overlays your real world with digital information.



Mixed Reality (MR) mixes digital content into your world.

WHAT ARE THE AREAS OF APPLICATION FOR XR?

Remote support and
Real-time collaboration
between experts
and emergency services

Tactical training to plan
and visualize scenarios

**Maintenance, repair and
servicing**
of complex equipment

Data analysis and
simulation to
uncover correlations
and patterns

Design and prototyping of
weapons and equipment
systems

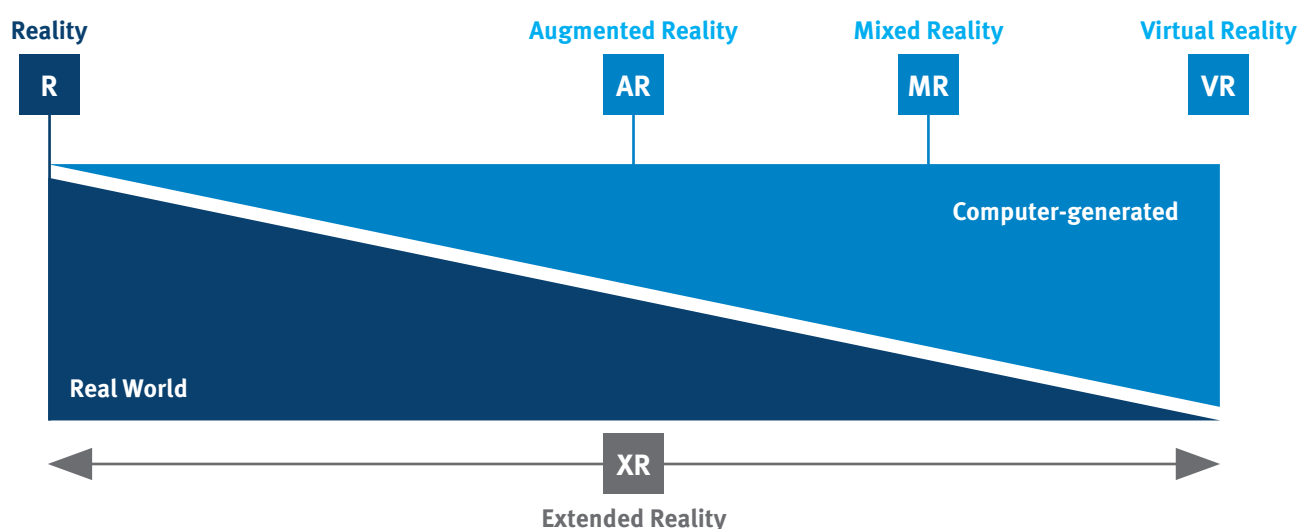
Investigations of
ergonomic
conditions

Psychological training to
preparation of emergency
services for
complex situations

Improvement of
situational awareness for
emergency services

XR, VR, MR, AR – WHAT ARE THE DIFFERENCES?

It can be challenging for professionals looking to digitize their daily tasks and introduce smart applications into the workplace to navigate the multitude of technologies. The constant influx of new products and applications makes orientation difficult. What's more, the technical jargon itself can be confusing. The differences between extended reality, virtual reality, mixed reality and augmented reality are not always obvious. The following overview should help to create a better understanding of these different technologies:



WHAT ARE THE ADVANTAGES OF XR?

- Generates lower costs compared to implementation on the actual devices used
- Promotes faster implementation of ideas, which leads to an acceleration of processes and at the same time increases efficiency
- Creates the flexibility to try out and test different scenarios relatively inexpensively and test them before deploying them in the real world
- Allows global access to virtual experiences regardless of location
- Offers high adaptability to different circumstances
- Increases user satisfaction through simple and intuitive handling

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