VIS

mastersolution ^{AG}

MASTERSOLUTION
AUGMENTED REALITY

Use in German Armed Forces

German Armed Forces implement Augmented Reality app

Software for communication & learning

Company profil

The app was created together with the training command which is responsible for training in the German Army. The command was set up on 28 June 2013 and was entrusted with the military leadership of the army training facilities.

Why MASTERSOLUTION AR?

An Augmented Reality [AR] simulation app was developed for the German Armed Forces, which is used to convey training content in the field. With this app, aspiring officers are provided with realistic pictures of tactical principles for a tank company when crossing water in real terrain. In the simulation, the following elements are used: Fox transport tank, Badger pioneer tank, Biber tank fast bridge, Leopard 2 battle tank and soldiers on the ground. All assets are created by PiXABLE STUDIOS (A MASTERSOLUTION TRADEMARK) in very high resolution with high resolution textures and can therefore also be used in VR or Hololens applications. The simulation runs in real time and gives a realistic impression of a water crossing. The German Army app is so flexible that further simulations can be integrated at any time.
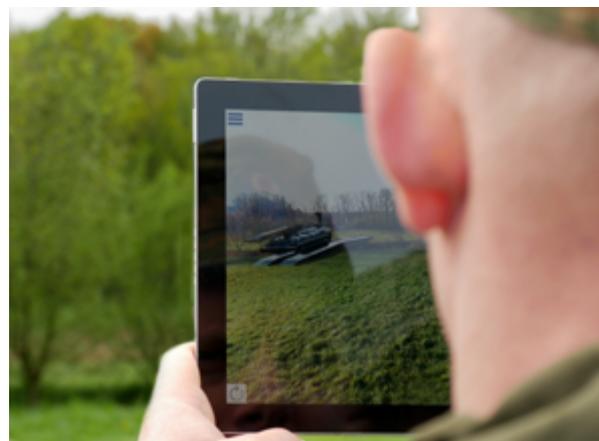
Contact person

The design and creation of the app was done in close cooperation with Lieutenant Colonel Krätschmer. He is head of the department of technology based training and is responsible for the creation and provision of digital training aids for the army. The app is currently used as part of the officer training at the Officer Academy in Dresden.

About the project

The simulation is equipped with Google Pixel C tablets and benefits from the high computing power and graphic power of the tablet. So called secondary animations and effects were added to increase the visual quality and to allow detailed and realistic character animation.

Areas of application & added values

With the help of an AR marker, the various tablets align themselves in the real landscape and are thus synchronized with each other. The instructor can centrally control all networked tablets with his/her tablet, thereby pausing the ongoing simulation or advancing or rewinding as required. The tablets are networked via a mobile WiFi hotspot that does not require an Internet connection, rather it only links the tablets together.

AR simulation app of the German Army

mastersolution AG

Postplatz 12
08523 Plauen

Tel.: +49 3741 42313-0
Fax: +49 3741 42313-19

info@mastersolution.ag
www.mastersolution.ag