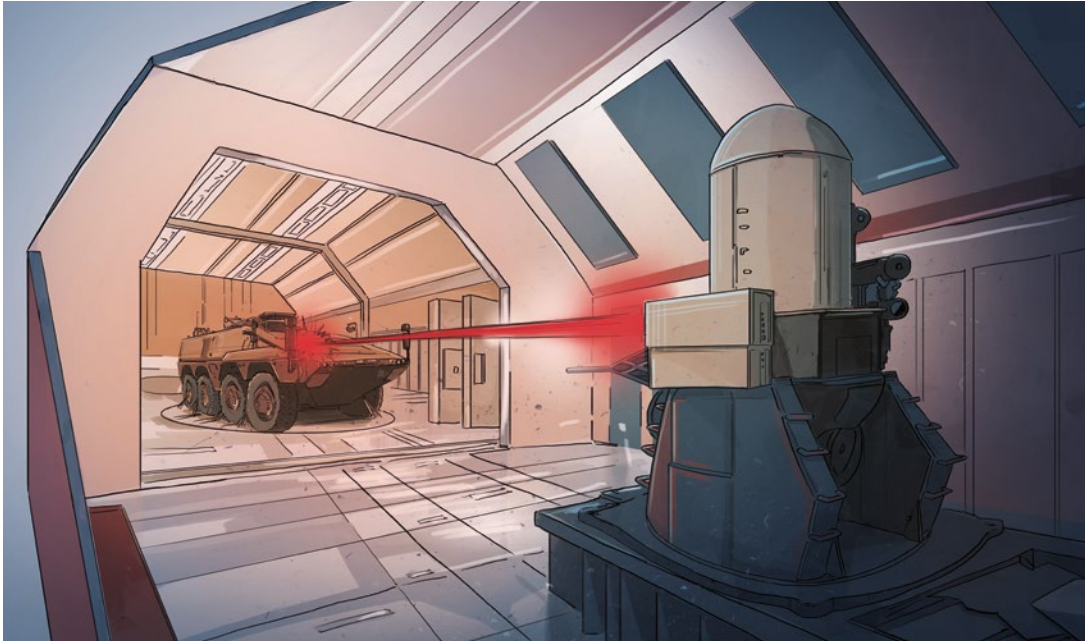# CONTROLLED SHOOTING AT LIFE-SIZE VEHICLES

TNO BUILDS UNIQUE TEST FACILITY WITH TWO VEHICLE MANIPULATORS

TNO innovation for life

Thanks to a new TNO test facility, it will soon be possible to shoot at armoured civilian and military vehicles in controlled conditions. The Multifunctional Vehicle Test Facility will consist of a 45 x 10 x 6-metre bunker with rotating and tilting platforms.

This ambitious new-build project will be launched by TNO in 2017. The facility will be used from the end of this year.

IMPROVING PROTECTION

With the ever-tougher requirements on ballistic protection, there is a greater need to test vehicles completely. Shooting at real vehicles helps reveal their weaknesses, enabling manufacturers to further improve their protection. This is where TNO's new test facility comes in, whether it concerns bullets, hand grenades, or improvised explosive devices (IEDs).

Experiments can be performed in the Multifunctional Vehicle Test Facility according to NATO standard STANAG 4569 and civilian standard VPAM BRV/ERV. The facility is also suitable for shooting at other large objects, ranging from containers to security units.

UNIQUE ASPECTS

All the tests at the Multifunctional Vehicle Test Faciliy take place in controlled conditions. They contain the effects of pressure and fragments caused by shooting and explosions, while hazardous substances like gunpowder smoke are filtered as they are emitted.

Also noteworthy are the two rotating platforms. Vehicles of up to 40 tons can be rotated on a platform, so they can be shot at from all sides. There is also a tilting platform suitable for vehicles or objects of up to 15 tons, so they can be shot at from different angles. Experiments of this kind currently rely on improvisation.

A final unique aspect is that research can be performed into the effects of future threats from directed energy weapons, like lasers.

MORE INFORMATION

To learn about the options for testing and certifying your product, please contact us.

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