

Warrior Precision Gunnery Training System, BGTI Upgrade Case Study



Description

When the fire control systems in the UK Army's Warrior AFVs were upgraded as part of the BGTI programme there was a need to upgrade the precision gunnery training systems in Lulworth and Sennelager. Beck Optronic Solutions was contracted to characterise the actual fire control systems and replicate these with high fidelity training systems. Despite facing several technical challenges more than 50 sets were delivered in less than 18 months from receipt of the contract.



Gunner's Stabilised Sighting System

X8 Monocular Laser Elbow using a SXGA FLCOS micro-display

Biocular Thermal Display Unit based on a green CRT

Unity Vision Periscope based on a TFT LCD

CAPU (Control And Processing Unit)

Commander's Stabilised Sighting System

Swinging arm X8 Monocular Sight using a SXGA FLCOS micro-display

Biocular Thermal Display Unit based on a green CRT

Unity Vision Periscope based on a TFT LCD

Flat Panel Display with full membrane switch functionality

The simulators are critically important to current UK forces operations – they provided the final training for troops prior to deployment in Afghanistan and are highly rated by the Army.

"The Warrior simulators have proven to be an excellent addition to the training facilities here at Larkhill. They have allowed the most realistic training short of actually deploying vehicles, which comes with the associated operation and maintenance costs. We are also able to train more personnel under closer control, which, considering current operational requirements, is a distinct advantage"

Chief Instructor, Targeting Branch RSA

Similar systems have been produced for a wide range of vehicles including:

Leopard 1A5, 2A5 & 2A6

Pandur

Challenger 2

Stryker

Desert Warrior

CV90

Scorpion

Scimitar

About Beck Optronic Solutions

BOS has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, BOS delivers complex, integrated electro-optic systems for defence and commercial use across the electromagnetic spectrum from UV to LWIR.

For pricing or further information please contact us at:

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