

Strategic Alliance – Kaliber Ltd and ADWS (UK) Ltd

Project Objective:

To provide the complete electrical wiring system, from concept to completion, including design engineering modelling, circuit design modelling and configuration control to ensure the full operation of the ADWS Remote Multipurpose Turret System (RMTS).

The RMTS is a fully stabilised light weight remote turret that uses an easily configurable "Bolt-on/Bolt-off" system of shared common components, that upgrade combat vehicles capability without the need for platform redesign.

Project Summary:

From initial involvement in 2007, Kaliber designed up to 60 separate electrical cable looms for internal and external use, all with varying degrees of complexity to suit the environmental conditions and the electrical performance criteria stipulated by ADWS. The turrets were to be fitted to the "Desert Chameleon" platform.

Kaliber's Engineering Team produced 2D "HarnWare" (TE Connectivity software) designs with wiring schematics and provided on-site technical support for the installation of prototype cable harnesses onto the turret simulator whilst based in the UK.

The wiring requirements also extended to the design of the gunners control box and power distribution boxes used to distribute the power requirements of the turret and the associated equipment, which included:

- Weapons
- Fully Stabilised Digital Electronic Control
- Countermeasure Systems
- Camera Systems
- Enhanced Optical and Thermal Long Range Sensor Suite

Our Engineering Team provided further support to ADWS by assisting with the installation of the wiring systems on the first vehicles whilst based in the Middle East.

Project Status:

Having manufactured and delivered a further 5 vehicle sets to-date, Kaliber continue to work closely with ADWS (UK) Ltd, providing additional support in the form of training, for engineers and operators in the Middle East.

