

SUPPORTING THE ARMED FORCES WITH MILITARY PRECISION

Transforming support for land vehicles, AES Defence delivers innovative and cost effective Technical Services

KEEPING THE ARMED FORCES FIGHTING FIT



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► Equipment Condition Monitoring

Our innovative and cost effective condition monitoring service (Machine Care Plus®) covers a wide range of equipment such as diesel engines, transmissions and hydraulic systems. Sophisticated analysis of data obtained from fluid samples (oil, fuel and coolant) and a variety of other sources provides detailed assessments of assembly/system condition. This enables the early detection of failures, thus helping to improve equipment availability and reduce support costs.

AES has been the UK Ministry of Defence (British Army) preferred supplier of such services since 1995, covering 1500+ land-based platforms (tracked and wheeled vehicles). In addition, the service is also provided for the Royal Army of Oman, BAE Systems GCS(V), Rolls-Royce and other major defence equipment manufacturers.

► Root Cause of Failure Investigations

Undertaken by our highly experienced artificers and artisans, root cause analysis is used to investigate and identify the true cause of failure. Once this has been established, the correct maintenance action is carried out to prevent the recurrence of the failure. Such information can also be used for system redesign, modifications or to review operating procedures. This then leads to increased platform availability and reduced whole life costs.

► Support to Military Vehicle Trials & Development

Our team of ex-military technical staff, working alongside both military and equipment manufacturer personnel, provide independent Subject Matter Expertise and support to military vehicle trials. This is especially beneficial during the equipment development and introduction phases.

► Data Analysis & Information Exploitation

Our experienced staff undertake all stages in the exploitation process in order to extract the greatest benefit from such information. This includes data collection, validation, analysis and interpretation. Data is assimilated into a logical and coherent format to enable effective and consistent analysis, thus producing effective engineering decisions and remedial actions.

► Design & Development of Intelligent Software

The AES software team has a wealth of experience. They support and improve existing expert decision support software, and develop bespoke applications. Examples include a vehicle Health and Usage Monitoring System (HUMS) software tool and an Armaments Database.

► CALL TO DISCUSS WHAT WE CAN DO FOR YOU ON

+44 (0)1962 711997 / 711830 OR VISIT WWW.AESDEFENCE.COM



▶ **AES DEFENCE** provides a wide range of high quality **TECHNICAL SERVICES** for military vehicles. We have a proven track record of achievement with more than two decades of experience working with the UK Ministry of Defence (all three services), Armed Forces and major Defence Equipment Manufacturers. A number of factors have contributed to our success, these include:

▶ **Exceeding Expectations.** We know the value of 'service', have a 'can do' approach and, due to the commitment, loyalty and determination of our staff, consistently exceed customer expectations.

▶ **Staff and Technology.** Our unique combination of highly experienced technical staff (our security cleared staff have 140 man years of service with the British Army between them) supported by our advanced software technology enables us to provide comprehensive technical services that customers can rely upon.

With our detailed understanding of customer equipment and its operation, we are able to deliver robust engineering decisions that benefit the user in many ways.

▶ **Independence.** We are an independent company and provide impartial advice. In addition, we fully embrace innovation and strive for continuous improvement.

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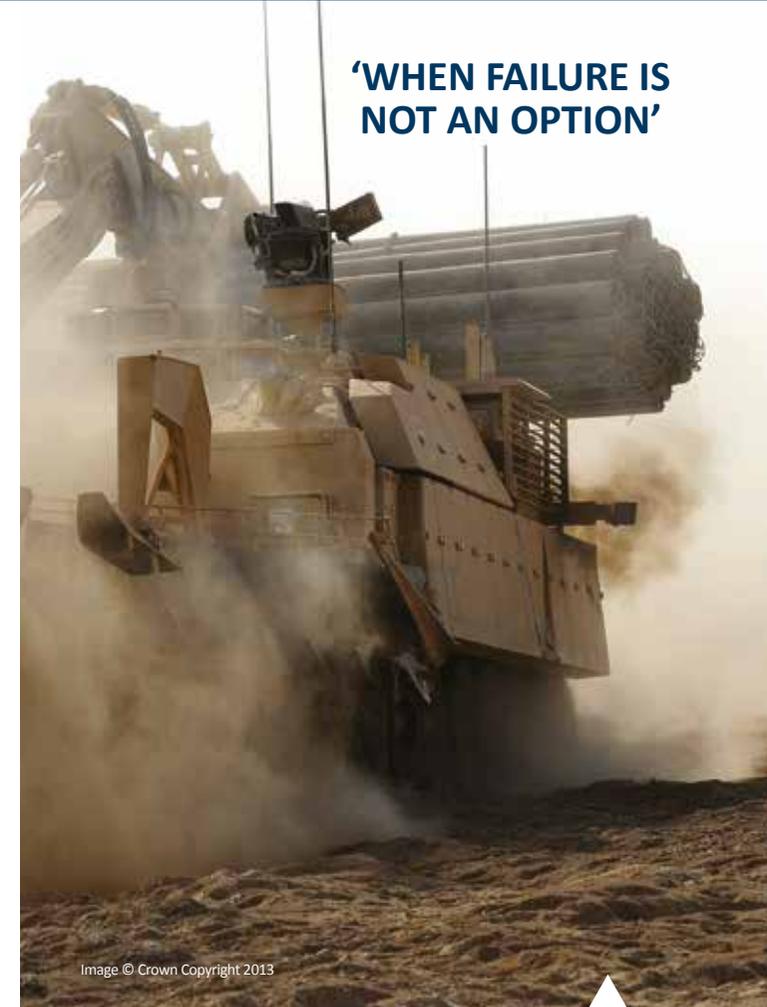
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**'WHEN FAILURE IS
NOT AN OPTION'**

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