



Electronic Warfare

Petards Joyce-Loebl specialises in the design, manufacture, and support of a range of airborne and land-based Electronic Warfare systems.

Within this sector we have vast experience of Threat Systems and Simulators, Airborne Countermeasures Dispensing Systems (including the world renowned ALE-47 TACDS) and Missile Warning Systems. We have provided equipment and through-life support to a range of UK platforms including the C-130 J, C-130 K, C-17, Nimrod MR2, Harrier GR7, Chinook Mk 2 and 2A, Chinook Mk 3, Sea King Mk 4, Sea King Mk. 7, Puma, Lynx Mk 8, Lynx Mk 9, Merlin Mk1, and Merlin Mk.3 and 3A as well as many overseas Customers.

We deliver on engineering excellence, reliability and value. Within the Industry, our reputation is one of a responsive, flexible, reliable and trustworthy partner in delivering challenging military programmes. Our extensive technical experience across this domain allows us to offer a distinct advantage in terms of supplier confidence, quality, engineering collaboration and customer support.

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Global Strength in
Defence Technologies
& Solutions

Airborne Systems



Petards Joyce - Loebel provides a full range of technical support services for Countermeasures Dispensing Systems (CMDS) - including the licensed manufacture of the internationally renowned ALE-47 Threat Adaptive Countermeasures Dispensing System (TACDS).



CMDS

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MWS

Petards Joyce - Loebel's Gateshead site is equipped with a full depot repair and refurbishment facility for the AAR-47 Missile Warning System equipment providing a cost-effective, fast turnaround service. This was established as the first full facility outside of the US, and is approved as a European Base for maintenance of the full range of AAR-47 versions including the Laser Warning function of the (V)2 generation.

Ground Based Systems



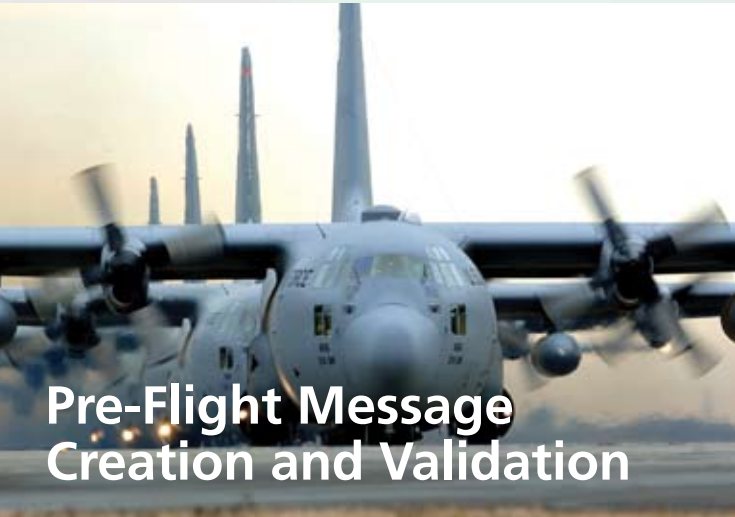
Real Threat Systems

Petards Joyce-Loebl provides a full on-site and depot level repair, refurbishment, and maintenance service facility for 'real threat' systems including the SA-6, the SA-8, and the ZSU 23. In addition to sourcing the original equipment manufacturer's components Petards' engineering team design, develop, and source suitable alternatives either by reverse engineering or by incorporating modern, solid state components. The engineering team has broad experience in the mechanical, electro-mechanical, and microwave aspects of the vehicles.

Simulators

Joyce-Loebl provides a full engineering support service for the EW Threat Simulators based at RAF Spadeadam and, over the course of recent years, has fully refurbished and modernised the equipment, including the repackaging of the J-Band Emissions Threat Simulator (JETS) from the ISO Container into a standard Land Rover vehicle producing a flexible, mobile facility.





Pre-Flight Message Creation and Validation

This facility enables enormous reductions in flight line testing and verification to be made.



Pre-Flight Message Creation

Petards Joyce-Loebl specialises in the licensed manufacture, development, and support of a range of Countermeasures Dispensing Systems, Missile Approach Warners, and Ground-Based Threat Systems.

Petards Joyce-Loebl has developed a Pre-Flight Message / Mission Data File Validation Facility for the ALE 47 TACDS that is installed on the majority of the UK's military aircraft. The validation equipment allows the Service's engineers to fully exercise a development PFM/MDF, including its integration with associated elements of a Defensive Aids Suite, before it is installed on an aircraft. This facility enables enormous reductions in flight line testing and verification to be made.

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