



Fighting Vehicles

Petards Joyce-Loebl specialises in the design, manufacture and support of rugged electronic control systems for a range of Armoured Fighting Vehicles.

Within this sector we have vast experience of non-weapon related control systems such as Turret Control, Power Distribution and Vehicle Controls and Displays. We have provided a range of equipment - from Low Tech, High Current power distribution systems to High Tech, microprocessor-based units - across a range of Land Vehicles including Challenger II, CrARRV, the Titan and Trojan Engineering Support Vehicles, the AS90 Self Propelled Howitzer, and the Warrior AFV.

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.

Petards joyce-loebl

Global Strength in
Defence Technologies
& Solutions

Supporting legacy platforms



Having been a player in the defence market for almost 60 years, Petards Joyce-Loebl has a wealth of experience in supporting legacy platforms.

Repair and Refurbishment

Having been a player in the defence market for almost 60 years, Petards Joyce-Loebl has a wealth of experience in supporting legacy platforms. Whether it be general repair or complete overhaul, we have helped to prolong the life of a number of platforms as well as making a number of overarching improvements to existing systems.

Recently we have repaired various LRUs on platforms such as:

- Warrior
- Challenger 2
- CrARRV
- Titan
- Trojan
- Stormer
- Scorpion
- Scimitar
- AS90 Howitzer

LRUs which have been repaired or refurbished by Petards Joyce-Loebl include:

- Drivers Instrument Panels
- Turret Power Distribution Unit
- VICS (Vehicle Integrated Control System)
- Hull Contactor Panels
- Power Distribution Boxes





New Build

Far from simply supporting legacy platforms, Petards Joyce-Loebl is accustomed to designing and manufacturing new-build electronic sub-systems for numerous platforms. An example of such a build is the Vehicle Integrated Control System (VICS) - an engine and gearbox management system to replace the obsolescent unit installed on the Challenger 2, the Titan and the Trojan Engineering Vehicles.

In addition to VICS we are also developing a digital display for the vehicle's speedometer, a drivers audible warning device and have modified the Power Distribution Box to incorporate the Bowman Radio Interfaces.

Away from the traditional legacy fleet, Petards Joyce-Loebl is also expecting to support new capital projects including the Warrior Capability Sustainment Programme (WCSP) and Future Rapid Effects System (FRES). We feel that our experience of design, manufacture and through life support will stand us in good stead for winning this work and supporting both projects at the initial build stage and through the platforms' whole lives.

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PDS/Obsolescence Management

Currently supporting many different customers, Petards Joyce-Loebl provides comprehensive Integrated Logistic Support (ILS), Post Design Services and Obsolescence Management for a wide range of military platforms and systems. Over the last 50 years we have amassed many highly skilled engineers and technicians with a vast amount of experience supporting new and legacy platforms.

At Petards Joyce-Loebl we can offer through life support solutions for a wide range of products and sub assemblies with the capability to support both proprietary and other OEM products.

Services include:

- Post Design Services
- Obsolescence management
- Tailored support solutions which meet individual customer requirements
- Exchange and repair services

A complete customer support service offers repair, refurbishment and technical publications.

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