

# TERRIER

## VEHICLE OVERVIEW

---

Terrier is the first of a new generation of multi-functional engineer combat vehicles, delivering uncompromising performance from a medium-weight chassis.





# Key features

## Capable

An all new combat vehicle design for tough flexible engineering capability

## Efficient

Off-the-shelf commercial technology delivers maximum effect with minimum footprint

## Adaptable

Broad spectrum of special-to-role capabilities with uncompromising performance



### Architecture

- Open architecture allows for the integration of additional equipment, including the option of hosting a Remote Weapon Station.
- Drive by wire vetronics minimises mechanical linkages, making Terrier more robust and easier to upgrade, enhance or modify.

1

### Operation

- Advanced technology allows Terrier's full range of functions to be operated by just two personnel, and many functions by a single operator.
- Terrier has the capability to be fully remote controlled from up to 1 km away, reducing exposure to danger.

2

### Protection

- Terrier is fully operable from under armour, using direct vision devices by day or indirect vision devices under any light conditions.
- Armour, environmental management and regenerative CBRN protection systems keep the crew safe and comfortable in their working environment.

3



Advances in technology mean that Terrier can provide levels of **tractive power** that were previously restricted to Main Battle Tanks while keeping its crew under sufficient protection. Terrier provides a unique combination of **engineering capability and strategic mobility**.



### Mobility

- The driveline and running gear is specifically developed for a medium-weight combat engineer role. It provides a high and sustained level of tractive effort through a dual-speed final drive.

4

### Special-to-role

- A large range of capabilities are provided using a selection of readily available special purpose equipment.
- Both the front loader system and the excavator arm are rapidly re-configurable and easy to operate.
- Terrier is designed with the ability to integrate additional capabilities in response to operational requirements.
- Terrier is able to carry and tow a wide range of stores and equipment.

5

### Strategic deployment

- With a flying weight of less than 32 tonnes, Terrier provides strategic air transportability in A400M.



# Typical applications

**Terrier is designed to support ground forces in a variety of military scenarios ranging from peacetime support to full war conditions. It can function across the full area of operations, from forward edge to rear echelons, in all terrain, both day and night.**

The vehicle is capable of maintaining the momentum of the armoured units it supports. It has the ability to transition rapidly from one phase or task to another, exploiting emergent opportunities. This provides a key tactical benefit and maximises effectiveness on the battlefield.

## Route clearance

Opening routes that have been denied to friendly forces.

**Method** – Using the multi-purpose bucket and excavator arm to fill craters, doze over and level surfaces. Gripping and lifting objects, breaching earthworks and removing built objects. Using the rock hammer to destroy and disrupt obstacles.

## Safe lane marking

The ability to mark a safe lane through a minefield/obstacle breach.

**Method** – Using optional lane marking system.

## Route denial

Limiting and preventing the movement of hostile forces.

**Method** – Using the multi-purpose bucket and excavator arm to dig and construct earthworks and mechanically place obstacles. Terrier's ripper attachment disrupts metallised surfaces in order to inhibit mobility.

## Gap crossing

Providing the ability to bridge natural or man-made voids to ensure mobility of supported units.

**Method** – The multi-purpose bucket and excavator arm moves earth into gaps. It can lift and manoeuvre pipe fascines carried on the vehicle load platform or towed in trailers, enabling mobility.

## Survivability support

Protecting mechanised formations.

**Method** – Using the multi-purpose bucket and excavator arm to prepare vehicle pits and personnel trenches, excavate anti-tank ditches, dig in headquarter locations and protect bunkers. Using the earth auger to assist in reinforcing or creating structures.

## Load carrying

Transporting, carrying, moving and deploying engineering stores to support operations.

**Method** – Using the load platform and excavator arm to lift, carry and secure loads around the battlefield. The fork lift attachment will load and unload stores from logistic vehicles. Terrier can also tow an 18 tonne capacity cross country trailer.

## Mine and IED clearance

Clearing routes of surface laid ordnance and buried mines.

**Surface method** – Using optional surface mine clearance device.

Towing and firing the Python explosive route clearance system.

**Underground method** – Electronically disrupting magnetic fuses using the Demeter Magnetic Signature Duplicator (MSD).

Using a sub-surface track width mine plough (under development).

## Route proving

The ability to make safe and passable routes that have been subjected to attack and disruption.

**Method** – Detect using onboard thermal imaging and vision devices.

Disrupt devices mechanically using the excavator arm, conducted safely using the remote control capability.

Repair routes or create new ones using the multi-purpose bucket and excavator, maintaining momentum using the safe lane marking system.

