Wade Fortress
Vehicle Security
and Telematics

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Wade Fortress Overview

Wade Fortress is an integrated vehicle safety, security and telematics system for fleets where drivers frequently enter and exit their vehicles. Combining an intelligent in-vehicle control unit, a Bluetooth-enabled driver card and connected fleet technology, it links vehicle operation to the presence of an authorised driver.

The system automatically locks and unlocks vehicles based on driver proximity, detects potential unauthorised use, warns when a vehicle is left in an unsafe state, and transmits vehicle and system status to fleet managers.

By connecting the driver, vehicle and fleet office in one platform, Wade Fortress improves driver convenience, strengthens vehicle security and enhances operational visibility.

Designed Around the Driver

At the centre of Wade Fortress is a simple but powerful concept: the vehicle recognises whether an authorised driver is nearby and responds according to the operational requirements of the fleet.

The driver carries a compact Fortress card that communicates securely with the vehicle. As the driver approaches, leaves or operates the vehicle, the Fortress control unit applies the appropriate locking, warning and security logic.

This reduces the need for drivers to repeatedly handle keys or manually lock the vehicle during high-frequency stop-and-start operations.

Fortress is particularly suited to:

- Courier and delivery fleets
- Field service and utility vehicles
- Emergency and response vehicles
- Secure transport applications
- Local authority and infrastructure fleets
- Other vehicles involving frequent driver entry and exit

A common Fortress hardware platform can be configured across different vehicle makes, models and operational roles, supporting consistent fleet-wide deployment.

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Intelligent Radius Lock and Unlock

Wade Fortress automatically manages vehicle locking according to the proximity of an authorised driver card.

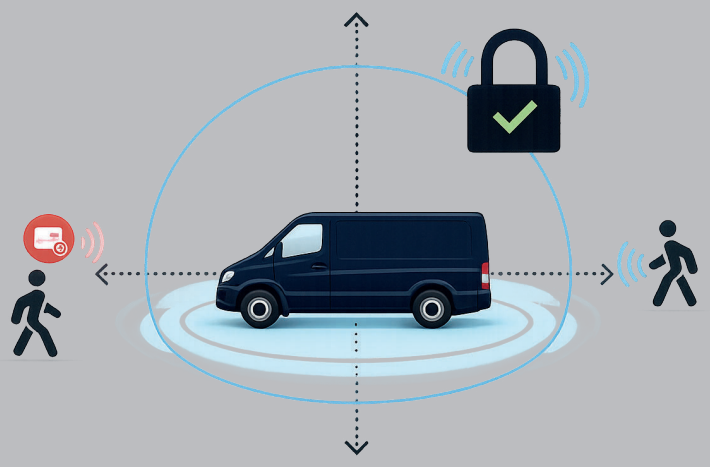
When the driver approaches the vehicle and enters the recognised operating radius, the vehicle can automatically unlock. When the driver moves away from the vehicle, Fortress can automatically secure the doors without requiring the driver to locate a key or press a button.

The system is configured for the vehicle and its intended operating environment, providing a balance between convenient access and reliable vehicle security.

For drivers making frequent stops, this creates a smoother and more efficient workflow while reducing the risk of a vehicle being unintentionally left unlocked.

Operational Benefits

- Faster entry and exit during frequent stops
- Reduced key handling
- Automatic security when the driver moves away
- Less risk of the vehicle being left unlocked
- Consistent operation across the fleet
- Improved driver convenience without compromising control



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Integrated Vehicle Protection

Anti-Theft System

The Wade Fortress Anti-Theft System monitors whether an authorised Fortress card is present while the vehicle is being operated.

Where vehicle movement or operation is detected without an authorised card nearby, Fortress can initiate an immediate audible warning and activate the security response configured for that vehicle.

Depending on the application and vehicle integration, this may include persistent horn activation and configurable vehicle-intervention or immobilisation logic.

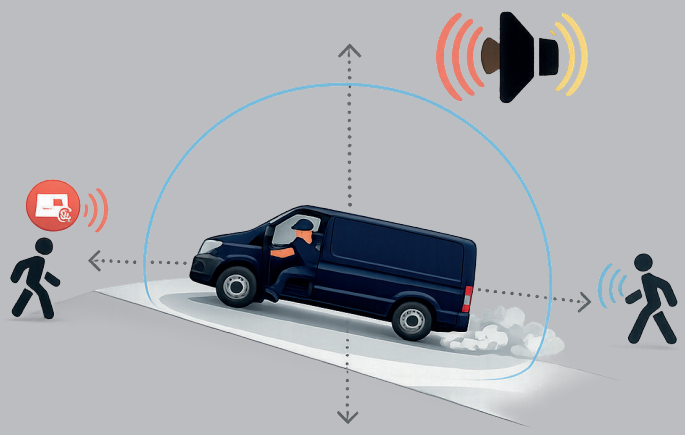
This provides an additional layer of protection during delivery, service and field operations, where vehicles may otherwise be vulnerable while the driver is working nearby.

Anti Roll-Away System

The Wade Fortress Anti Roll-Away System helps protect against a driver leaving the vehicle while it remains in an unsafe transmission state.

If the driver's door is opened while the vehicle is not in Park, Fortress provides three rapid horn alerts to immediately draw the driver's attention to the potential hazard.

This simple intervention supports safer operating behaviour and helps reduce the risk of an unattended vehicle moving unexpectedly.



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Connected Telematics and Fleet Intelligence

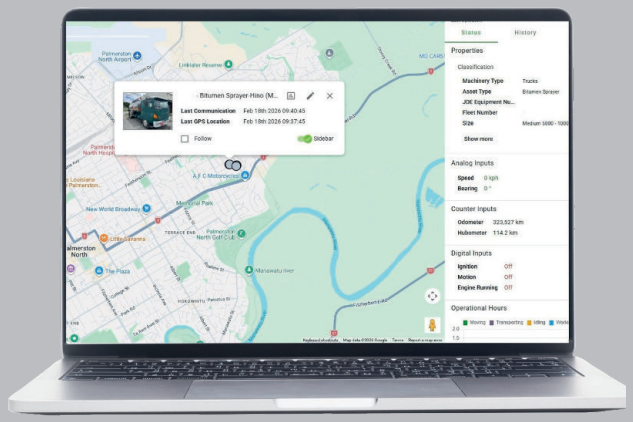
Wade Fortress incorporates a connected telematics platform that extends the system from an individual vehicle safety product into a wider fleet-management solution.

Delivered through the Fortress telematics backbone, the system can provide fleet managers with live and historical information across vehicles, drivers and operational events.

Depending on the selected service configuration, capabilities can include:

- Live vehicle location and status
- Current and historical speed information
- Trip history and route replay
- Overspeed, idling and stop information
- Geofencing and site activity
- Vehicle usage and utilisation
- Odometer or operating-hour information
- Accessory and vehicle-input monitoring
- Maintenance reminders and service records
- User, fleet and sub-fleet permissions
- Mobile access for managers in the field
- Customisable reporting and dashboards

The underlying Fortress telematics platform supports live location, speed, trip history, geofencing, input monitoring, driver-behaviour reporting, maintenance information and configurable fleet access. Fortress also provides mobile visibility and daily trip replay.



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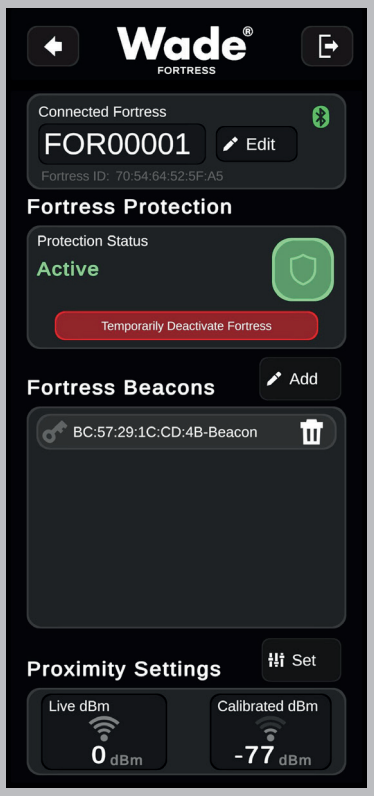
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More Than Vehicle Tracking

The integration between Fortress and the telematics platform allows fleet managers to see not only where a vehicle is, but also what is happening with its Fortress safety and security systems.

Where configured, Fortress events can be transmitted to the fleet platform, providing visibility when:

- The Anti-Theft System has been triggered
- An Anti Roll-Away warning has occurred
- Vehicle is being operated without an authorised driver card
- A monitored vehicle input or accessory has been activated
- Vehicle enters or exits a defined location
- Abnormal vehicle use or driver behaviour is detected



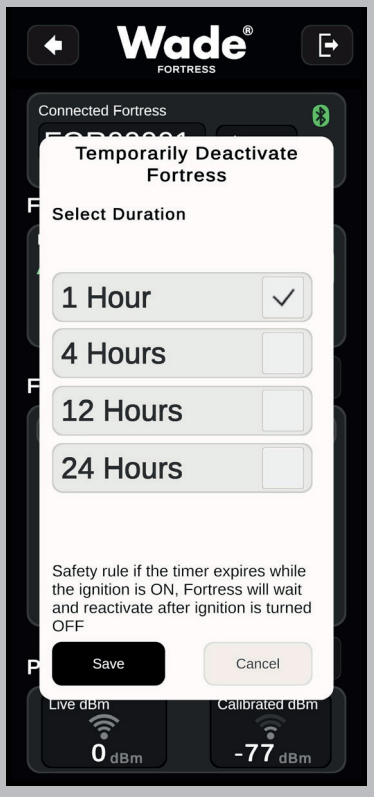
Expandable Connected Capability

The Fortress platform is designed to support additional fleet-management functions as customer needs evolve.

These may include remote management of driver cards and vehicle access permissions, streamlined provisioning of replacement credentials and lone-worker protection through the button incorporated into the Fortress driver card.

When lone-worker functionality is enabled, the driver card can provide a direct means of raising an alert associated with the driver, vehicle and last reported location.

The broader Fortress telematics environment can also support modular maintenance, pre-start, compliance and reporting workflows, allowing additional functionality to be introduced as fleet requirements evolve.



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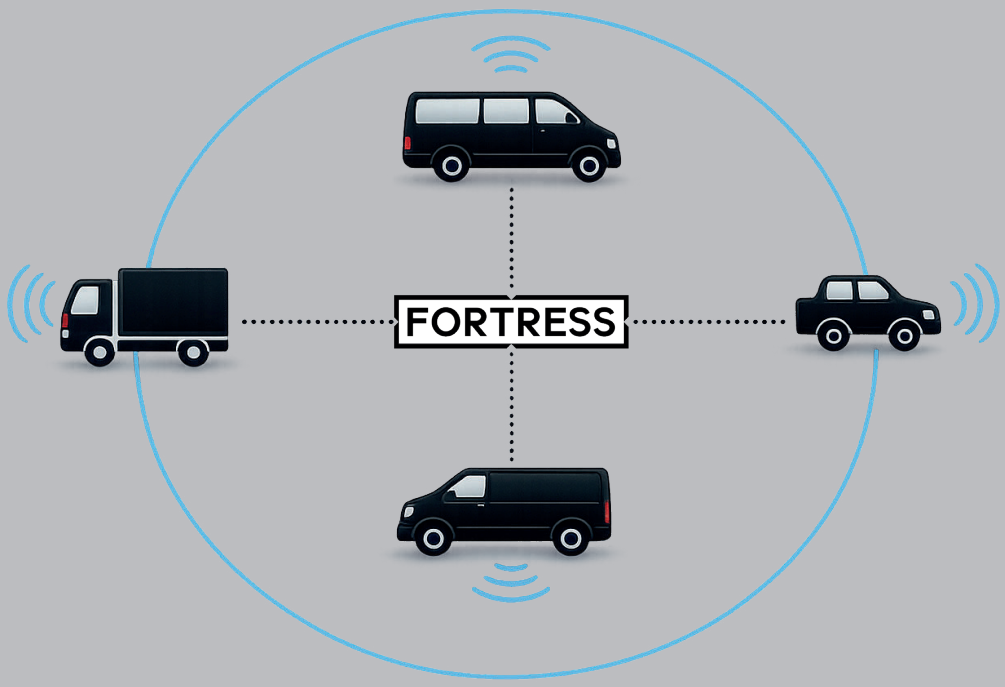
Installation and Integration

Wade Fortress is designed for professional integration into new or existing fleet vehicles.

The compact in-vehicle control unit interfaces with the vehicle through CAN bus and configurable hardwired inputs and outputs. This allows Fortress to monitor relevant vehicle conditions and activate locking, warning or security functions according to the approved vehicle configuration.

The telematics component uses connected tracking hardware to transmit vehicle location, operational information and configured Fortress events to the fleet platform.

Each installation is configured for the vehicle type and customer requirement, supporting deployment across mixed fleets without forcing every vehicle into an identical operating arrangement.



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Functional Detail

Fortress Vehicle System

Driver Identification: Bluetooth enabled Fortress driver card.

Vehicle Interface: CAN bus and configurable discrete inputs and outputs.

Core Functions:

- Radius-based automatic locking and unlocking
- Authorised-driver proximity detection
- Anti-Theft System
- Anti Roll-Away System
- Vehicle horn and warning-output control
- Configurable security-response logic
- Driver-card button for supported alert functions

Fortress Telematics

Location Services: Live GNSS vehicle location and historical trip data.

Connectivity: Cellular data connection to the Fortress fleet platform.

Fleet Information:

- Location and vehicle status
- Speed and overspeed events
- Trip history and route replay
- Idling and stop information
- Geofencing
- Odometer or operating hours
- Vehicle-input and accessory status
- Fortress system alerts and events
- Maintenance and reporting functions

User Access: Web-based fleet portal and supported mobile access.

Configuration: Vehicle, fleet, user and reporting settings tailored to the customer's operational requirements.