**GOAL Global**

**REF: IRL- LGD - 40834**

**Appendix 1**

**Global Fleet - Base Vehicle Specifications**

**2025**

**Overview of Lots**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lot** | **Vehicle Type** | **Fuel Type** | **No of Doors** | **No of Seats** | **Payload** | **Ground Clearance** |
| 1 | Heavy Duty 4x4 Hardtop | Diesel/Petrol/Hybrid | 5 | 5 or 9 | Min 750kgs | Min 220mm |
| 2 | Heavy Duty 4x4 Double Cab Pickup | Diesel/Petrol/Hybrid | 4 | 5 | Min 1000kgs | Min 220mm |
| 3 | Heavy Duty 4x4 Single Cab Pickup | Diesel/Petrol/Hybrid | 2 | 2 | Min 1000kgs | Min 220mm |
| 4 | Crossover or SUV | Diesel/Petrol/Hybrid/Electric | 4 or 5 | 5 | Min 400kgs | Min 180mm |
| 5 | City Car | Diesel/Petrol/Hybrid/Electric | 4 or 5 | 5 | Min 400kgs | Min 150mm |
| 6 | Minibus | Diesel/Petrol/Hybrid | 3 or 4 | 15 | Min 1000kgs | Min 180mm |
| 7 | Motorcycle | Petrol/Electric | N/A | 1 | Min 5kgs | Min 260mm |

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| --- | --- | --- |
| **Lot** | **Vehicle Type** | **Description of Item** |
| 8 | Telematics Hardware | Cellular based GPS tracking units with the option for Hybrid or Satellite based hardware |
| Telematics Software | Fleet Management software for the reporting of data captured by the GPS Tracking Hardware |

**Lot 1 – Heavy Duty 4x4 Hardtop**

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| --- | --- | --- |
| **Description: A Heavy Duty 4x4 Hardtop vehicle with high ground clearance, and strong off-road capabilities which is suitable for rough terrain and off-road humanitarian access to remote locations in the GOAL Countries listed.** | | |
| **Vehicle Configuration** | No of Doors | 5 |
| Rear Door Configuration | ‘Barn Door’ Style |
| No of Seats | 5 or 9 |
| **Engine & Gearbox Specifications** | Fuel Type | Petrol, Diesel or Hybrid – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country. |
| Gearbox Type | Manual or Auto - bidders are to offer the lowest whole life cost, lowest emission transmission option suitable for each country. |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 100 Litres |
| Drivetrain | Must be 4x4 |
| Differential | Automatic Difflock |
| Max Torque (nm) | Minimum 400nm |
| **Off Road Performance** | Off Road Capability | Bidders must offer vehicles with off road capability suitable for each country. |
| Ground Clearance (mm) | Minimum 220mm |
| Approach Angle (degrees) | Minimum 32 degrees |
| Departure Angle (degrees) | Minimum 26 degrees |
| Max Wading (mm) | Minimum 700mm |
| Off Road Tyres | All Terrain Tyres or Mud Terrain Tyres suitable for predominantly off-road driving based on the conditions in each country. |
| **Carrying Capacity** | Payload (kgs) | Minimum 750kgs |
| Cargo Capacity (Litres or Cubic M) | Minimum 1,000 litres behind rear seats |
| Load Fixing Points | Minimum of 4x secure ‘D Ring’ fixing points in rear load area for securely lashing down cargo |
| Cargo Net of Cage | Removable cargo net or metal cage behind rear seats for securing cargo |
| **Other** | Radio | AM/FM Radio |
| Ports | USB and/or AUX Jack Ports |
| HVAC | Heating and Air Conditioning |
| Floor | Vinyl Floor Coverings |
| **Safety & Security** | Seat Belts | ALL seats to be fitted with 3 Point Seat Belts, with no side facing seats fitted |
| Air bag System | Driver and passenger front Airbags |
| Headrest | Adjustable headrests for all seats |
| Braking | Anti-Lock Braking System (ABS) |
| Anti-Theft Devices | Alarm and Immobilizer |
| Horn | Fitted as standard |
| First Aid Kit | First Aid Kit to be supplied with each vehicle. |
| Fire Extinguisher | A 1kg Powder fire extinguisher securely fitted inside the vehicle. |
| Warning Triangle | A Warning Triangle to be supplied with each vehicle. |
| Spare Wheel | Minimum of 1x spare wheel provided with each vehicle, securely attached to the vehicle |
| Jack | 5 Tonne Bottlejack or High Lift Jack |
| **Vehicle Modifications** | | |
| **Modifications**  **Will be confirmed at**  **time of each order** | Roof Rack | Heavy duty roof rack with steps |
| Fuel Carriers | Vehicle mounted 20 Litre Jerrycan |
| Water Carriers | Vehicle mounted 20 Litre Water Carrier |
| Bull Bars | Heavy Duty Steel bullbars of a weight suitably rated for the vehicle chassis |
| Winch | Electric winch suitably rated for the recovery of the vehicle |
| Sand Boards | Sand boards securely fitted in or on the vehicle for vehicle recovery. |
| Snorkels | Full Snorkel with air cleaner |
| Tow Bars | Tow bar fitted suitably rated for the vehicle chassis |
| Side Steps | Side steps fitted under each door of the vehicle. |
| VHF Radio | Motorola VHF Radio to be installed in the vehicle armrest or in the vehicle dash. |
| UHF Radio | Motorola UHF Radio to be installed in the vehicle armrest or in the vehicle dash. |
| HF Radio | Codan HF Radio to be installed under the vehicle seat or in the vehicle dash with the antenna mounted to the front bumper. |
| Satellite Phone | Thuraya or Iridium Satellite Phone to be fitted with a charger/docking station on the vehicle dash. |
| Emergency Power | Emergency power pack or solar charger |
| Ballistic Security Film | Ballistic security film to be fitted to each vehicle window. |
| Telematics Tracking Devices | Ability to fit Telematics Tracking Devices to the vehicle prior to despatch. |

**Lot 2 – Heavy Duty 4x4 Pickup Double Cab**

|  |  |  |
| --- | --- | --- |
| **Description: A Heavy Duty 4x4 Double Cab Pickup vehicle with high ground clearance, and strong off-road capabilities which is suitable for rough terrain and off-road humanitarian access to remote locations in the GOAL Countries listed. For mixed use logistics and personnel transport.** | | |
| **Vehicle Configuration** | Cab | Double Cab Pickup |
| No of Doors | 5 |
| No of Seats | 5 |
| **Engine & Gearbox Specifications** | Fuel Type | Petrol, Diesel or Hybrid – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country |
| Gearbox Type | Manual or Auto - bidders are to offer the lowest whole life cost, lowest emission transmission option suitable for each country. |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 100 Litres |
| Drivetrain | Must be 4x4 |
| Differential | Automatic Difflock |
| Max Torque (nm) | Minimum 400nm |
| **Off Road Performance** | Off Road Capability | Bidders must offer vehicles with off road capability suitable for each country. |
| Ground Clearance (mm) | Minimum 220mm |
| Approach Angle (degrees) | Minimum 30 degrees |
| Departure Angle (degrees) | Minimum 26 degrees |
| Max Wading (mm) | Minimum 700mm |
| Off Road Tyres | All Terrain Tyres or Mud Terrain Tyres suitable for predominantly off-road driving based on the conditions in each country. |
| **Carrying Capacity** | Payload (kgs) | Minimum 1,000kgs |
| Cargo Capacity | Minimum 1,000 litres in Load Bed |
| Load Fixing Points | Minimum of 4x secure ‘D Ring’ fixing points in rear load area for securely lashing down cargo |
| Cargo Net of Cage | Removable cargo net or cover on load bed for securing cargo |
| **Other** | Radio | AM/FM Radio |
| Ports | USB and/or AUX Jack Ports |
| HVAC | Heating and Air Conditioning |
| Floor | Vinyl Floor Coverings |
| **Safety & Security** | Seat Belts | ALL seats to be fitted with 3 Point Seat Belts, with no side facing seats fitted |
| Air bag System | Driver and passenger front Airbags |
| Headrest | Adjustable headrests for all seats |
| Braking | Anti-Lock Braking System (ABS) |
| Anti-Theft Devices | Alarm and Immobilizer |
| Horn | Fitted as standard |
| First Aid Kit | First Aid Kit to be supplied with each vehicle. |
| Fire Extinguisher | A 1kg Powder fire extinguisher securely fitted inside the vehicle. |
| Warning Triangle | A Warning Triangle to be supplied with each vehicle. |
| Spare Wheel | Minimum of 1x spare wheel provided with each vehicle, securely attached to the vehicle. |
| Jack | 5 Tonne Bottlejack or High Lift Jack |
| **Vehicle Modifications** | | |
| **Modifications**  **Will be confirmed at time of each order** | Roof Rack | Heavy duty roof rack with steps |
| Fuel Carriers | Vehicle mounted 20 Litre Jerrycan |
| Water Carriers | Vehicle mounted 20 Litre Water Carrier |
| Bull Bars | Heavy Duty Steel bullbars of a weight suitably rated for the vehicle chassis |
| Winch | Electric winch suitably rated for the recovery of the vehicle |
| Sand Boards | Sand boards securely fitted in or on the vehicle for vehicle recovery. |
| Snorkels | Full Snorkel with air cleaner |
| Tow Bars | Tow bar fitted suitably rated for the vehicle chassis |
| Side Steps | Side steps fitted under each door of the vehicle. |
| VHF Radio | Motorola VHF Radio to be installed in the vehicle armrest or in the vehicle dash. |
| UHF Radio | Motorola UHF Radio to be installed in the vehicle armrest or in the vehicle dash. |
| HF Radio | Codan HF Radio to be installed under the vehicle seat or in the vehicle dash with the antenna mounted to the front bumper. |
| Satellite Phone | Thuraya or Iridium Satellite Phone to be fitted with a charger/docking station on the vehicle dash. |
| Emergency Power | Emergency power pack or solar charger |
| Ballistic Security Film | Ballistic security film to be fitted to each vehicle window. |
| Telematics Tracking Devices | Ability to fit Telematics Tracking Devices to the vehicle prior to despatch. |

**Lot 3 – Heavy Duty 4x4 Pickup Single Cab**

|  |  |  |
| --- | --- | --- |
| **Description: A Heavy Duty 4x4 Single Cab Pickup vehicle with high ground clearance, and strong off-road capabilities which is suitable for rough terrain and off-road humanitarian access to remote locations in the GOAL Countries listed. For mixed use logistics and personnel transport.** | | |
| **Vehicle Configuration** | Cab | Double Cab Pickup |
| No of Doors | 4 |
| No of Seats | 2 |
| **Engine & Gearbox Specifications** | Fuel Type | Petrol, Diesel or Hybrid – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country |
| Gearbox Type | Manual or Auto - bidders are to offer the lowest whole life cost, lowest emission transmission option suitable for each country. |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 100 Litres |
| Drivetrain | Must be 4x4 |
| Differential | Automatic Difflock |
| Max Torque (nm) | Minimum 400nm |
| **Off Road Performance** | Off Road Capability | Bidders must offer vehicles with off road capability suitable for each country. |
| Ground Clearance (mm) | Minimum 220mm |
| Approach Angle (degrees) | Minimum 30 degrees |
| Departure Angle (degrees) | Minimum 26 degrees |
| Max Wading (mm) | Minimum 700mm |
| Off Road Tyres | All Terrain Tyres or Mud Terrain Tyres suitable for predominantly off-road driving based on the conditions in each country. |
| **Carrying Capacity** | Payload (kgs) | Minimum 1,000kgs |
| Cargo Capacity | Minimum 1,000 litres in Load Bed |
| Load Fixing Points | Minimum of 4x secure ‘D Ring’ fixing points in rear load area for securely lashing down cargo |
| Cargo Net of Cage | Removable cargo net or cover on load bed for securing cargo |
| **Other** | Radio | AM/FM Radio |
| Ports | USB and/or AUX Jack Ports |
| HVAC | Heating and Air Conditioning |
| Floor | Vinyl Floor Coverings |
| **Safety & Security** | Seat Belts | ALL seats to be fitted with 3 Point Seat Belts, with no side facing seats fitted |
| Air bag System | Driver and passenger front Airbags |
| Headrest | Adjustable headrests for all seats |
| Braking | Anti-Lock Braking System (ABS) |
| Anti-Theft Devices | Alarm and Immobilizer |
| Horn | Fitted as standard |
| First Aid Kit | First Aid Kit to be supplied with each vehicle. |
| Warning Triangle | A Warning Triangle to be supplied with each vehicle. |
| Fire Extinguisher | A 1kg Powder fire extinguisher securely fitted inside the vehicle. |
| Spare Wheel | Minimum of 1x spare wheel provided with each vehicle, securely attached to the vehicle. |
| Jack | 5 Tonne Bottlejack or High Lift Jack |
| **Vehicle Modifications** | | |
| **Modifications**  **Will be confirmed at**  **time of each order** | Roof Rack | Heavy duty roof rack with steps |
| Fuel Carriers | Vehicle mounted 20 Litre Jerrycan |
| Water Carriers | Vehicle mounted 20 Litre Water Carrier |
| Bull Bars | Heavy Duty Steel bullbars of a weight suitably rated for the vehicle chassis |
| Winch | Electric winch suitably rated for the recovery of the vehicle |
| Sand Boards | Sand boards securely fitted in or on the vehicle for vehicle recovery. |
| Snorkels | Full Snorkel with air cleaner |
| Tow Bars | Tow bar fitted suitably rated for the vehicle chassis |
| Side Steps | Side steps fitted under each door of the vehicle. |
| VHF Radio | Motorola VHF Radio to be installed in the vehicle armrest or in the vehicle dash. |
| UHF Radio | Motorola UHF Radio to be installed in the vehicle armrest or in the vehicle dash. |
| HF Radio | Codan HF Radio to be installed under the vehicle seat or in the vehicle dash with the antenna mounted to the front bumper. |
| Satellite Phone | Thuraya or Iridium Satellite Phone to be fitted with a charger/docking station on the vehicle dash. |
| Emergency Power | Emergency power pack or solar charger |
| Ballistic Security Film | Ballistic security film to be fitted to each vehicle window. |
| Telematics Tracking Devices | Ability to fit Telematics Tracking Devices to the vehicle prior to despatch. |

**Lot 4 – Crossover or SUV Vehicle**

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| **Description: A crossover or medium duty SUV vehicle which is suitable and economical for city use, but with high enough ground clearance for occasional journeys in light off-road conditions. To be used primarily for personnel transport.** | | |
| **Vehicle Configuration** | Body Style | Hardtop Stationwagon or Hatchback |
| No of Doors | 5 |
| No of Seats | 5 |
| **Engine & Gearbox Specifications** | Fuel Type | Petrol, Diesel, Hybrid, Electric – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country. |
| Gearbox Type | Manual or Auto - bidders are to offer the lowest whole life cost, lowest emission transmission option suitable for each country. |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 50 Litres |
| Fully Fuelled Range | Minimum 400km |
| **Carrying Capacity** | Payload (kgs) | Minimum 400kgs |
| Cargo Capacity (Litres or Cubic M) | Minimum 400 litres behind rear seats |
| Ground Clearance | Minimum 180mm |
| **Other** | Radio | AM/FM Radio |
| Ports | USB and/or AUX Jack Ports |
| HVAC | Heating and Air Conditioning |
| **Safety & Security** | Seat Belts | ALL seats fitted with 3 Point Seat Belts |
| Air bag System | Driver and passenger front Airbags |
| Headrest | Adjustable headrests for all seats |
| Braking | Anti-Lock Braking System (ABS) |
| Anti-Theft Devices | Alarm and Immobilizer |
| Horn | Fitted as standard |
| First Aid Kit | First Aid Kit to be supplied with each vehicle. |
| Warning Triangle | A Warning Triangle to be supplied with each vehicle. |
| Fire Extinguisher | A 1kg Powder fire extinguisher securely fitted inside the vehicle. |
| Spare Wheel | Minimum of 1x spare wheel provided with each vehicle, securely attached to the vehicle. |
| Tools | Toolkit and jack |

**Lot 5 – City Car**

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| --- | --- | --- |
| **Description: A City Car vehicle which is suitable and economical for city use, which will be used primarily for personnel transport within urban areas.** | | |
| **Vehicle Configuration** | Body Style | Saloon or Hatchback |
| No of Doors | 4 or 5 |
| No of Seats | 5 |
| **Engine & Gearbox Specifications** | Fuel Type | Petrol, Diesel, Hybrid, Electric – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country. |
| Gearbox Type | Manual or Auto - bidders are to offer the lowest whole life cost, lowest emission transmission option suitable for each country. |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 30 Litres |
| Fully Fuelled Range | Minimum 400km |
| **Carrying Capacity** | Payload (kgs) | Minimum 400kgs |
| Cargo Capacity (Litres or Cubic M) | Minimum 400 litres behind rear seats |
| Ground Clearance | Minimum 150mm |
| **Other** | Radio | AM/FM Radio |
| Ports | USB and/or AUX Jack Ports |
| HVAC | Heating and Air Conditioning |
| **Safety & Security** | Seat Belts | ALL seats fitted with 3 Point Seat Belts |
| Air bag System | Driver and passenger front Airbags |
| Headrest | Adjustable headrests for all seats |
| Braking | Anti-Lock Braking System (ABS) |
| Anti-Theft Devices | Alarm and Immobilizer |
| Horn | Fitted as standard |
| First Aid Kit | First Aid Kit to be supplied with each vehicle. |
| Warning Triangle | A Warning Triangle to be supplied with each vehicle. |
| Fire Extinguisher | A 1kg Powder fire extinguisher securely fitted inside the vehicle. |
| Spare Wheel | Minimum of 1x spare wheel provided with each vehicle, securely attached to the vehicle. |
| Tools | Toolkit and jack |

**Lot 6 – Minibus**

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| **Description: A personnel transport vehicle which is suitable, for group transport of personnel in both urban and semi-rural environments. Will be used primarily for personnel transport but with the ability for cargo to be carried with seats removed.** | | |
| **Vehicle Configuration** | Body Style | Minibus |
| No of Doors | 5 |
| No of Seats | Minimum 12 |
| **Engine & Gearbox Specifications** | Fuel Type | Petrol, Diesel, Hybrid – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country. |
| Gearbox Type | Manual or Auto - bidders are to offer the lowest whole life cost, lowest emission transmission option suitable for each country. |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 65 Litres |
| Fully Fuelled Range | Minimum 500km |
| **Carrying Capacity** | Payload (kgs) | Minimum 1,000 kgs |
| Cargo Capacity (Litres or Cubic M) | Minimum 1,000 litres with seats or |
| Ground Clearance | Minimum 180mm |
| **Other** | Radio | AM/FM Radio |
| Ports | USB and/or AUX Jack Ports |
| HVAC | Heating and Air Conditioning |
| **Safety & Security** | Seat Belts | ALL seats fitted with 3 Point Seat Belts |
| Air bag System | Driver and passenger front Airbags |
| Headrest | Adjustable headrests for all seats |
| Braking | Anti-Lock Braking System (ABS) |
| Anti-Theft Devices | Alarm and Immobilizer |
| Horn | Fitted as standard |
| First Aid Kit | First Aid Kit to be supplied with each vehicle. |
| Warning Triangle | A Warning Triangle to be supplied with each vehicle. |
| Fire Extinguisher | A 1kg Powder fire extinguisher securely fitted inside the vehicle. |
| Spare Wheel | Minimum of 1x spare wheel provided with each vehicle, securely attached to the vehicle. |
| Tools | Toolkit and jack |

**Lot 7 – Motorcycles**

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| **Description: Reliable and easy to maintain 125cc Motorcycles suitable for urban use, with high ground clearance and off-road tyres to ensure suitability for off-road use in remote locations.** | | |
| **Motorcycle Configuration** | No of Seats | 1 |
| Displacement | 125cc |
| **Engine & Gearbox Specifications** | Starting System | Electric and Kick |
| Fuel Type | Petrol or Electric – bidders are to offer the lowest whole life cost, lowest emission fuel option suitable for each country. |
| Gearbox Type | Manual 5 Speed Transmission |
| Engine EURO Level | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Emissions | Bidders are to offer the lowest emission vehicle option suitable for each country. |
| Fuel Efficiency | Bidders are to offer the most fuel-efficient vehicle option suitable for each country. |
| Fuel Tank Capacity | Minimum 10 Litres |
| Max Power | Minimum 7Kw @ 8,000rpm |
| Max Torque (nm) | Minimum 9nm @ 6,500rpm |
| **Off Road Performance** | Off Road Capability | Bidders must offer vehicles with off road capability suitable for each country. |
| Ground Clearance (mm) | Minimum 260mm |
| Kerb Weight | Max 130kgs |
| Front Suspension | Telescopic Fork with minimum 155mm Axle Travel |
| Rear Suspension | High Density Rear Shock with minimum 145mm Axle Travel |
| Tyres | All Terrain Tyres suitable for predominantly off-road use in the GOAL countries listed. |
| **Carrying Capacity** | Under seat Storage | Motorcycles with an under seat storage location are preferred |
| Cargo/Accessory Rack | Motorcycle OEM authorised accessory rack to be fitted on the rear of the motorcycle |
| Cargo Box | Motorcycle OEM authorised storage box to be fitted on the rear of the motorcycle |
| Max Cargo Weight | Minimum 5kgs |
| **Safety & Security** | Horn | Fitted as standard |

**Lot 8 – Telematics**

|  |  |  |
| --- | --- | --- |
| **Description: Fleet management solutions including hardware for the GPS tracking of vehicles and software or apps to provide reporting on vehicle locations and usage.** | | |
| **Hardware Specifications** | | |
| **Unit Types** | Cellular Unit – Wired | Hardware, wired to the vehicle battery and ignition which transmits the tracking data via local GSM Networks. |
| Satcomms - Wired | The option to also supply hardware, wired to the vehicle battery and ignition which transmits the tracking data via Satellite Communications. |
| Hybrid - Wired | The option to also supply hardware, wired to the vehicle battery and ignition which transmits the tracking GSM Network as standard but with a backup Satellite, so the unit that can switch between Satellite and GSM connection to minimise costs. |
| Cellular Unit – Cigarette Lighter | Hardware which can be inserted into the Cigarette Lighter or USB Port, which transmits the tracking data via local GSM Networks |
| Cellular Unit - Motorcycles | Hardware, either wired or battery powered, suitable for installation on Motorcycles, which transmits the tracking data via local GSM Networks |
| Dash Cam | Option for Dash Cam to be fitted as part of the installation, ideally linked to the telemetry data. |
| **Connectivity** | 4G Connectivity | Able to transmit tracking data via 4G terrestrial cellular networks (Cat 4 LTE) |
| 3G Connectivity | Able to transmit tracking data via 3G terrestrial cellular networks (UMTS) globally |
| 2G Connectivity | Able to transmit tracking data via 2G terrestrial cellular networks (GPRS) globally. |
| Satcomms | Option of a unit which can also be connected to satellite communications networks (eg: Iridium or Thuraya) to transmit tracking data |
| CAN OBD Connection | Option to connect to CANBUS OBD Port of any compatible vehicles to provide more accurate reporting on fuel consumption and engine data. |
| Data Frequency | Unit to record and store GPS location at least every 2minutes, syncing back to the server if a network coverage exists. |
| Data Storage | Where not network/data connection exists, the hardware units must be able to store up to 2 weeks’ worth of data on the hardware device reading to syncing to the server when network coverage returns. |
| **Technical Specifications** | IP Rating | IP Rating suitable to use in rugged off-road environments. |
| Antenna | Internal Antenna with no requirement for fitting external antennas to the exterior of the vehicle. |
| Power Requirements | Minimum power draw on vehicle battery for wired units. |
| GPS Receiver Accuracy | Accurate to within 10 Metres |
| **Installation** | Installation | Ability to install units in remote and austere field locations with limited workshop environments. |
| Tamper Proof | Wired units to be tamper proof and ideally hidden from view once installed. |
| **Software Specifications and Functionality** | | |
| **Access** | Web/Cloud Based | Cloud based solution with a web-based user interface for Drivers and Fleet Managers. |
| Mobile Device Compatibility | Ability to access the web-based solution either on a mobile or via a mobile based App for ease of access. |
| Fleet Manager Portal | The solution must have a Portal or Website for Fleet Managers to access, to view fleet performance data and KPI’s. |
| Driver App | Ideally the solution will have a Driver App or mobile enabled webpage for Drivers. |
| Low Bandwidth | System to be designed to operate in field locations with limited bandwidth. |
| **Data Privacy** | Role based user profiles | Ability to setup different User Roles and limit access to data based on the Job Role of a specific user. |
| Multi entity access | Ability to setup multiple GOAL Entities (eg: Countries) and limit access to data based on the entity of the user. |
| Data Encryption | All data which is being transferred from the tracking units to a central server is to be encrypted for security purposes. |
| GDPR Compliance | All data to be managed and stored in a manner that is fully compliant with EU GDPR regulations. |
| **Location Tracking** | Live Vehicle Locations | Able to view the current locations of tracked vehicles on a live map. |
| Past Vehicle Locations | Able to view reports of past vehicle locations and a history of which locations a vehicle has visited. |
| Past Vehicle Journeys | Able to view historic journey tracks on a map and table view, to see the historic time, location and speed data. |
| **Geofencing** | Custom Geofences | Ability for the Fleet Manager to create custom Geofence locations. |
| Geofence Routing/Corridors | Ability for the Fleet Manager to create ‘Safe Routes’ or Corridors, using Geofences along a specified route. |
| Location Upload | Ability for an excel list of all GOAL locations with coordinates to be uploaded into the system to quickly add new geofences. |
| Geofence Reporting | Ability to setup reports or alerts for when vehicles enter or leave a Geofenced area. |
| **Digital Logbook** | Digital Logbook of Journeys | The ability to digitally record all journeys to replace in-vehicle paper Logbooks. To record the Start location, end location, mileage and driver details for each journey. |
| **Utilisation & Availability** | Utilisation Reporting | Ability to report on % Utilisation of a vehicle or collection of vehicles based on the number of days a vehicle was used within a set period. |
| Cost Allocation | Ability to record Utilisation or Journeys by Grant or Programme and recharge costs based on the Utilisation or Journeys recorded. |
| Availability Reporting | Able to record when a vehicle is ‘Off Road’ for maintenance or servicing to allow reporting on Availability. |
| Availability Reporting | Ability to report on % Availability of a vehicle or collection of vehicles based on the number of days a vehicle was available within a set period. |
| **Defect Logging and Repair** | Vehicle Daily Checks | Driver App with functionality to record the results of Daily Vehicle Checks. |
| Defect Logging | Driver App to allow drivers or fleet managers to report any Defects or Damage. |
| Recording of Repairs | Functionality to record the details and cost of any repairs or servicing undertaken. |
| Preventative Maintenance | Functionality to schedule and record regular maintenance or services for each vehicle. |
| **Fuel & Emissions Reporting** | Fuel Consumption | Record the Fuel Consumption of the vehicle with the ability to report on average fuel consumption in L per Km within a set period. |
| Emissions Reporting | Record the CO2 Emissions of the vehicle with the ability to report on total emissions within a set period. |
| Idling Reports | Ability to report on Idling and highlight any excessive idling which is contributing to higher emissions. |
| Fuel Logs | Driver App to allow drivers to record details and cost of any fuel added to the vehicle. |
| **Driver Behaviour Reporting** | Optional Driver ID | The option to include a Driver ID function within the vehicle. Must be able to operate the vehicle without the need for Driver ID. |
| Speeding Reporting | Ability to report on speeding events either against pre-set limits or speed limits based on the vehicle location. |
| Harsh Braking/Acceleration | Ability to report on harsh braking and acceleration events. |
| Harsh Cornering | Ability to report on harsh cornering events. |
| **Safety & Security** | Panic Button | Option to include a Panic button inside the vehicle to allow drivers to submit alerts to the Fleet Manager in a security incident. |
| Remote Immobilisation | Option for the Fleet Manager to remotely immobilise the vehicle from the Fleet Manager portal/website. |
| **Journey Planning** | Transport Scheduling | Ability for journeys to be scheduled within the Fleet Manager portal/website. |
| Vehicle Booking/Sharing | Ability for passengers to submit transport requests, for review and allocation to a vehicle/driver by the Fleet Manager. |

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| --- | --- | --- | --- |
| Signed: |  | | |
| Print name: |  | Position: |  |
| Company Name: |  | Date: |  |
| Address: |  | | |