



CSE Fleet Telematics

Solutions for car sharing





Why CSE?





CSE Automotive Technologies established in 1985 | Provider of Cobra Anti-theft systems to Automotive OEM & Aftermarket in the region





CSE Telematics | A CSE Group company, Telematics service provider established in 1998



CSE Telematics, part of CSE Group brings together unrivalled expertise – end to end service delivery, a comprehensive range of solutions and 20 years experience to deliver world class connected vehicle services and products for the Automotive, Fleet & Insurance industries.



We have extensive knowledge and experience of integrating electronics and telematics systems into complex vehicles both at the point of manufacture and beyond. Our business capabilities allow us to deliver both end-to end and solutions to our customers based on their individual requirements.



CSE Telematics | Secure Operations Centre (SOC) 24/7, ISO 27001 certified

- ✓ **eCall Automatic collision response**
 - Auto eCall – receives crash data & voice call, checks for severity and liaising with customer
 - Liaising with MERS 999 for nearest emergency vehicles to crash location

- ✓ **Emergency assistance**
 - Manual eCall – receives SOS data & voice call, liaising with customer
 - Liaising with MERS 999 for nearest ambulance to location

- ✓ **Breakdown assistance**
 - Manual eCall – receives SOS data & voice call, liaising with customer
 - Liaising with roadside assist provider for nearest service vehicles to location

- ✓ **Proactive theft management**
 - If the main device and SPD are not matched, SOC will call the registered number to verify if the vehicle is safe

- ✓ **Stolen vehicle recovery**
 - Receives theft confirmation from customer, activating the SVR process, locate the car and liaising with the Police for recovery

- ✓ **Customer service & Help-desk**
 - Customer enquiries, device health check, service activation, technical support





CSE Fleet Telematics | Solutions for car sharing

Are you tired of constantly worrying about the location and security of your leased vehicles? Look no further than our GPS tracking solutions!

Introducing Cobra Bridge from CSE...

Our cutting-edge technology allows you to keep track of your vehicles in real-time, giving you peace of mind and boosting your business efficiency.

Our GPS Solution is easy to use and offers a wide range of features that can benefit your car leasing business.



Here are 3 unique benefits:

- ✓ **Proactive Theft Management**
- ✓ **Stolen Vehicle Recovery (SVR)**
- ✓ **eCall Automatic Collision Response**



Our Solutions



Cobra Bridge | Our Solutions



T.342 SPD

- 2 -wire battery-fit telematics device + self-powered anti-theft device



T.6 SPD

- Onboard Diagnostic (OBD) device + self-powered anti-theft device



T.342

- 2 -wire battery-fit telematics device



SPD

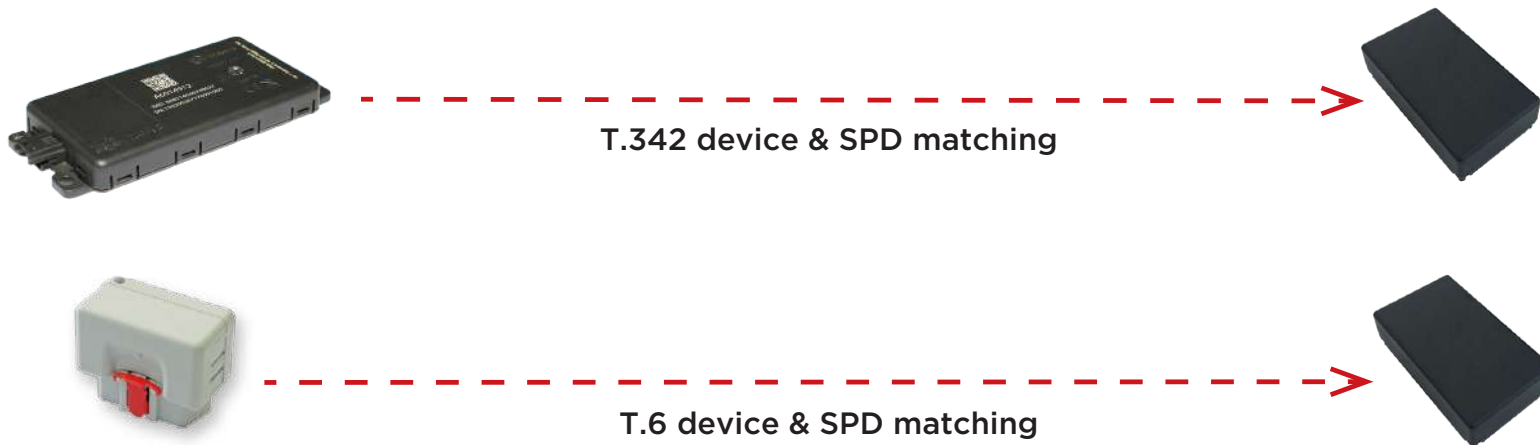
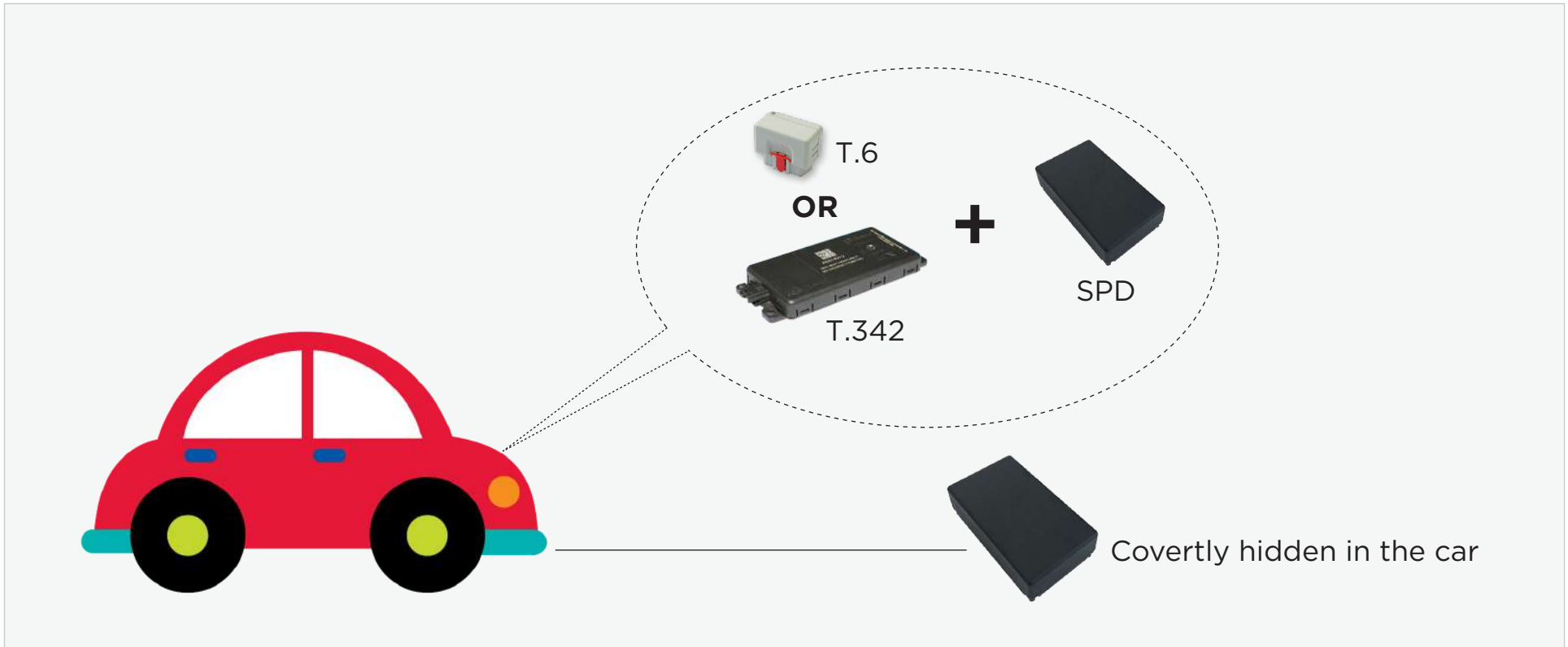
- A self-powered anti-theft device



How it Works



Cobra Bridge | Proactive theft management (SPD matching)





Cobra Bridge | Proactive theft management

Back-up security solution with SPD matching



If main device is sabotaged
SOC will call registered
number to verify theft



If theft is confirmed, SOC will
activate SVR on SPD via the platform
& contacts the police for recovery



CSE Vehicle
Telematics Platform





Cobra Bridge | Stolen vehicle recovery (SVR) Stand-alone security solution



In case of theft, call the SOC to report theft



CSE SOC

CSE SOC will activate theft mode on SPD via the platform - (when SPD wakes up, it will update its latest location) & contacts the police for recovery

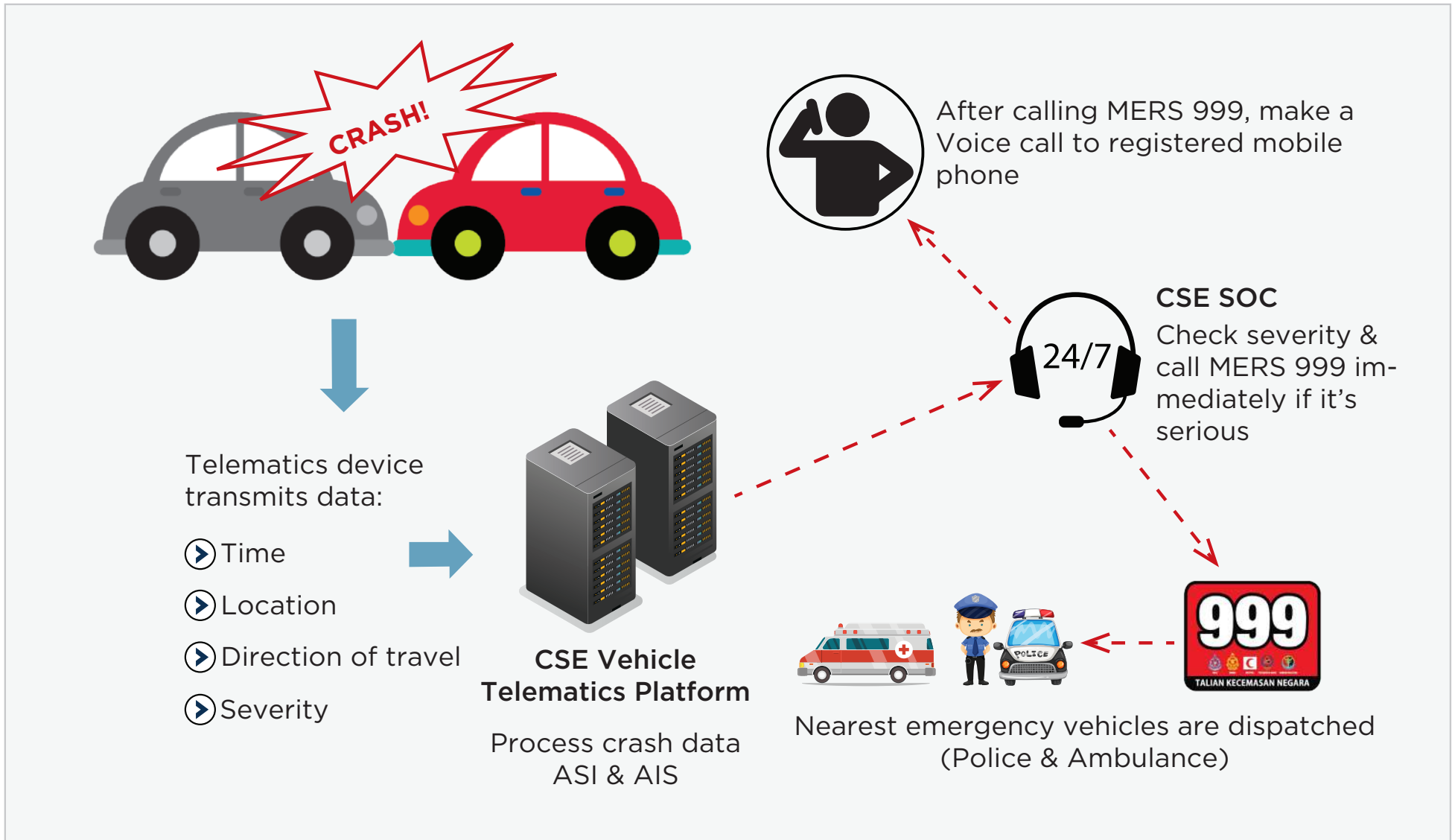


CSE Vehicle Telematics Platform





Cobra Bridge T.342 | eCall automatic collision response - a service that saves lives



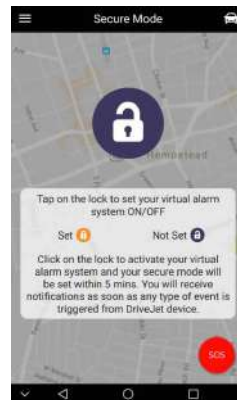
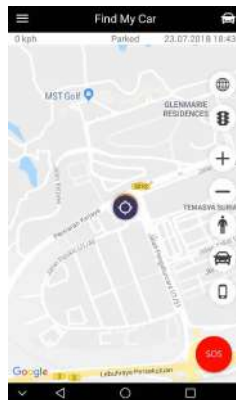
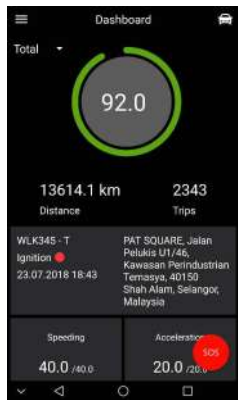
CSE Cobra Bridge | Mobile app & Features

Mobile app



Connected Car app - with multiple vehicle management/ per vehicle access

DRIVEJET



Features

- **Smart alarm** - if car is driven or towed, receive alerts (Push, Email)
- **Geofence** - Set zone in/out alert
- **Service & maintenance** - Set service due alert
- **Find my car** - Last parked location and real-time on google map
- **Car status** - Ignition on/off, parked/ driving, speed, vehicle battery status, device battery
- **Speed limit** - Set speed limit and receive alert (Push, Email)
- **Trip review** - Check trips with driving score. Trip details include - start & end, location/time, distance, mileage, review, route taken, events...
- **Driving score** - Driving score is based on speeding, acceleration, braking & cornering

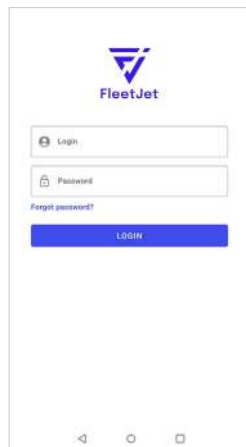
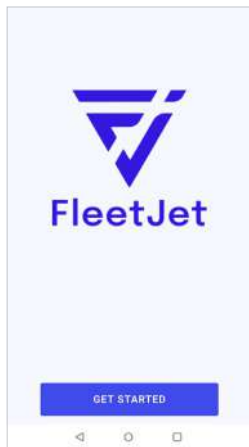
CSE Cobra Bridge | Mobile app & Features

Mobile app



Connected fleet app - with fleet management/online monitoring or fleet

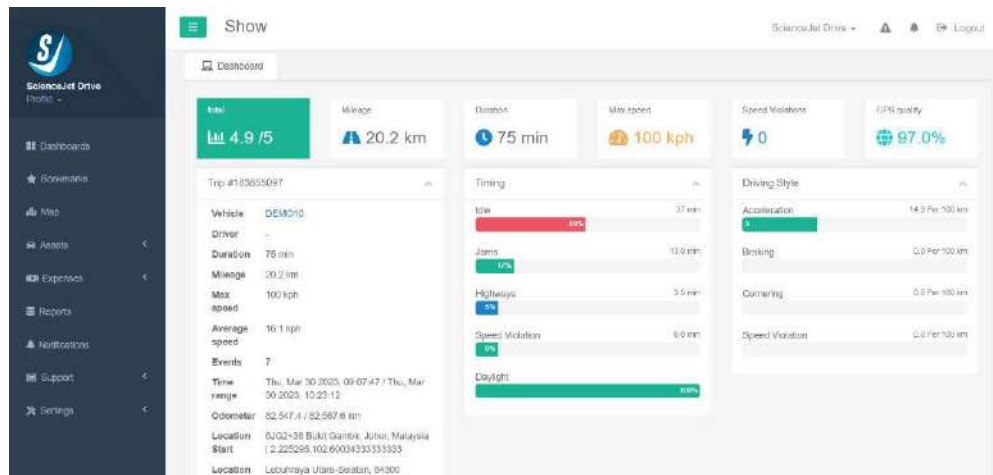
FleetJet



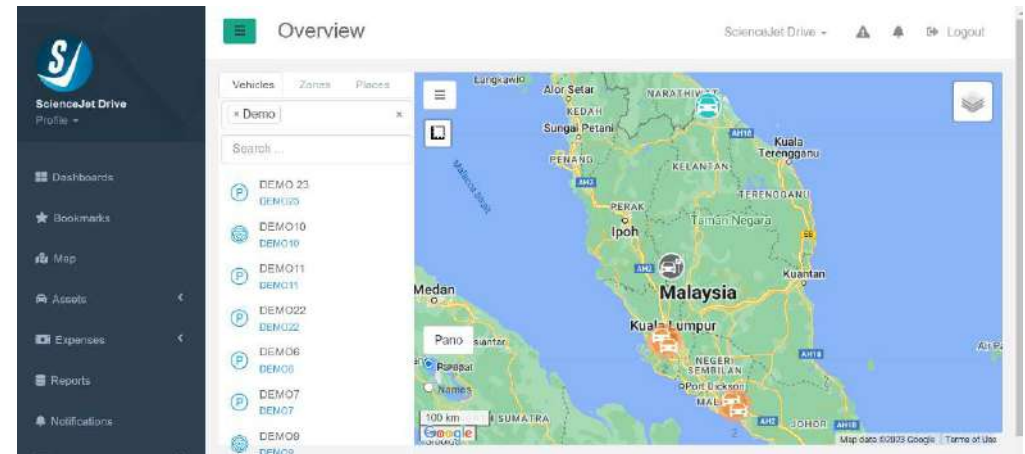
Features

- **Dashboard** - View summary and status of all vehicles e.g. driving, parked, idling, etc.
- **Online monitoring** - Monitor all the vehicles on the map at the same time
- **Find vehicle & check status** - Find & track vehicle in real-time and check ignition On/Off, vehicle battery, device battery, last date update
- **Vehicle group**- Monitor group statistics and status. View group vehicles on the map at the same time
- **Statistics** - Summary of trips, mileage, max speed, utilization, driving score, etc
- **Trips** - View trips details - duration, distance, trip start and trip end
- **Notifications** - Fleet notification such as speed alert, idling, device sabotage, etc
- **Fuel usage** - Estimated fuel consumption data
- **SOS phone button** - Emergency, report theft (Control Room & SOC), customer service
- **Profile** - Display and update user's account information
- **Google map** - Google satellite map, hybrid map, traffic information

CSE Cobra Bridge | Web access



Dashboard



Map Overview

- **Online monitoring** - Monitor and track all vehicle fleets on the map in real-time
- **On-screen report** - Select, view trip details, areas travelled
- **Online dashboard** - View vehicle activities by month + summary
- **Dynamic dashboard** - Customise the dashboard with different features eg. based on fuel usage, speeding, driving score events, etc.
- **Alert management dashboard** - Dedicated dashboard to view all alerts, manage and process on line
- **Geofence control** - Set geofence for an area to be notified when the vehicle enters or exits (push & email)
- **Driving score** - Check how vehicle had been driven based on speeding, acceleration, harsh braking and cornering
- **Trip review** - Review previous trips with events and driving score
- **Trip replay** - Verify and view how trip was made by replaying trip
- **Trip statistics** - Details, exceptions and usage in charts and graphs for easy analysis
- **Living area & Heat map** - Use living area to find out the area that the vehicle had mostly travelled within a certain period
- **Accident reconstruction** - Panoramic reconstruction 60s before and 10s after impact to ascertain the cause of the accident
- **Service & maintenance** - Set service reminder for vehicle maintenance, insurance and road tax renewal, etc.
- **Journey report** - Minute-by-minute to verify incidents, complaints
- **Extensive reports** - Basic reports + scoring data + smart fuel + customised reports based on more than 300 parameters



Cobra Bridge | Choice of products



2-wire

T.342 SPD

- 2-wire battery-fit telematics device + self-powered anti-theft device for eCall, tracking and SVR services

Retail price with 2 years warranty:
RM830

Service fee without SST 6%
RM30/month RM360/year



T.6 SPD

- Onboard Diagnostic (OBD) device + self-powered anti-theft device for eCall, tracking and SVR services

Retail price with 2 years warranty:
RM830

Service fee without SST 6%
RM30/month RM360/year



2-wire

T.324

- 2-wire battery-fit telematics device for eCall and tracking services

Retail price with 2 years warranty:
RM370

Service fee without SST 6%
RM15/month RM180/year



SPD

- A self-powered anti-theft device for stolen vehicle recovery (SVR)

Retail price with 2 years warranty:
RM480

Service fee without SST 6%
RM15/month RM180/year



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Cobra Bridge | Product comparison

ITEM	DESCRIPTION	COBRA BRIDGE			
		T.342 SPD	T.6 SPD	T.342	SPD
APPLICATION					
	Proactive theft management	Yes	Yes		
	SVR Stolen vehicle recovery	Yes	Yes		Yes
	eCall Automatic collision response	Yes	Yes	Yes	
PRODUCT	Self-powered device with 3 telco roaming SIM Celcom, Digi, Maxis - Stand-alone device				x1
	Self-powered device with 3 telco roaming SIM Celcom, Digi, Maxis - Back-up device	x1	x1		
	T.6 OBD device with 3 telco roaming SIM Celcom, Digi, Maxis		x1		
	2-wire battery-fit with 1 telco SIM	x1		x1	
	Mobile app and web	Yes	Yes	Yes	Yes
SERVICE	Crash detection and alert (Push, Email)	Yes	Yes	Yes	
	eCall Automatic collision response (Nationwide coverage with 3 telco roaming SIM)	Yes	Yes	Yes	
	SPD Matching proactive theft management with theft CG NCD Protection, RM	Yes	Yes		
	SVR Stolen vehicle recovery	Yes	Yes		Yes
	Mobile app and web to configure SPD wake time				Yes
	Connected Car app and web	Yes	Yes	Yes	
PRICE	SRP with 2 years warranty, RM	830	830	370	480
	Service per month, year, RM	30, 360	30, 360	15, 180	15, 180



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CSE Website