b'smart

BSMART Internet of Thing Solutions (b'ITS), designed on a high performance and versatile proprietary BSMART Access Terminal (b'AT) architecture and BSMART Management Console (b'MC) software platform, provides a wireless communications and positioning system designed for the collection and dissemination of data, with feasible applications including:

- Commercial vehicles for in-transit visibility, routine automation, fraud prevention as well as goods and vehicle safety
- Private vehicles for in-vehicle information services, emergency assistance, security and safety, navigation and entertainment needs.
- Public vehicles Telematics for driver behavior monitoring as well as maintenance cost control
- Institutional vehicles Telematics for fleet maintenance reminder and validation as well as driver behavior monitoring.

BSMART Service Delivery Offering

Research & Consultancy	Design & Development	Implementation & Training	Operation & Optimization	Support & Maintenance
BSMART is a leading independent provider of market research and consultancy in the Global Telematics Services Industry.	**BSMART** focused on technology and development for more than 20 years on our core strengths in our business.	With over 100 Developers to provide the best project designs, the resources and the expertise to make your Telematics Services business a success.	Project Management Plan (PMP). Business Operations Management Methodology. Strategic Business Planning Methodology. Business Process Design Methodology.	A complete outsourcing model bundled with all Hardware and Software Infrastructures, Support, Maintenance & Upgrade Provision.

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Awards, Recognitions, Rewards, Quality Assurance & Certification

Awards
- 2020 URA RECTS contract extension
- 2020 launch of RECDTS Phase 1
- 2020 Winner of LATRA VTS maintenance
- 2020 Winner of APAD PMHS maintenance
- 2019 Awarded Frost & Sullivan Best Practice Cargo Tracking
- 2019 Winner of KRA RECTS Phase 2
- 2019 Implementation of iCTS Phase 3
- 2019 Implementation of RECTS Extension DRC
- 2019 Frost and Sullivan Best Practices Award – Malaysia Cargo Tracking System Provider of the Year
- 2018 Implementation of iCTS Phase 2
- 2017 Implementation of iCTS Pilot
- 2017 SUMATRA VTS device
- 2016 Winner of URA RECTS
- 2016 Winner of SUMATRA VTS
- 2013 Winner of URA ECTS
- 2013 Winner of SPAD PMHS
- 2010 MSC Malaysia APICTA
  - Best e-Logistics Award
- 2010 APICTA
  - Best e-Logistics Merit Award

- Member of ARTIFICIAL INTELLIGENCE FOR SMEs (AI4S)
- 2009 Winner of Deloitte Technology Fast 500 Asia Pacific Program
- 2009 Top 2 Nominees of Ernst & Young Technology Entrepreneur
- 2008 Winner of Deloitte Technology Fast 500 Asia Pacific Program
- 2008 MSC Malaysia APICTA
  - Best e-Logistics Award
- 2007 Business of The Year Award
  - Emerging Company
- 2006 Winner of Malaysia Good Design Mark Award
- 2005 Winner of Merit Award for Best Young Asian Supply Chain Solution Provider Award for SCM Logistics Excellence Awards
- 2005 MSC Malaysia APICTA
  - Best Communication Application
- 2005 IPTA R&D expo competition Gold Medal Award
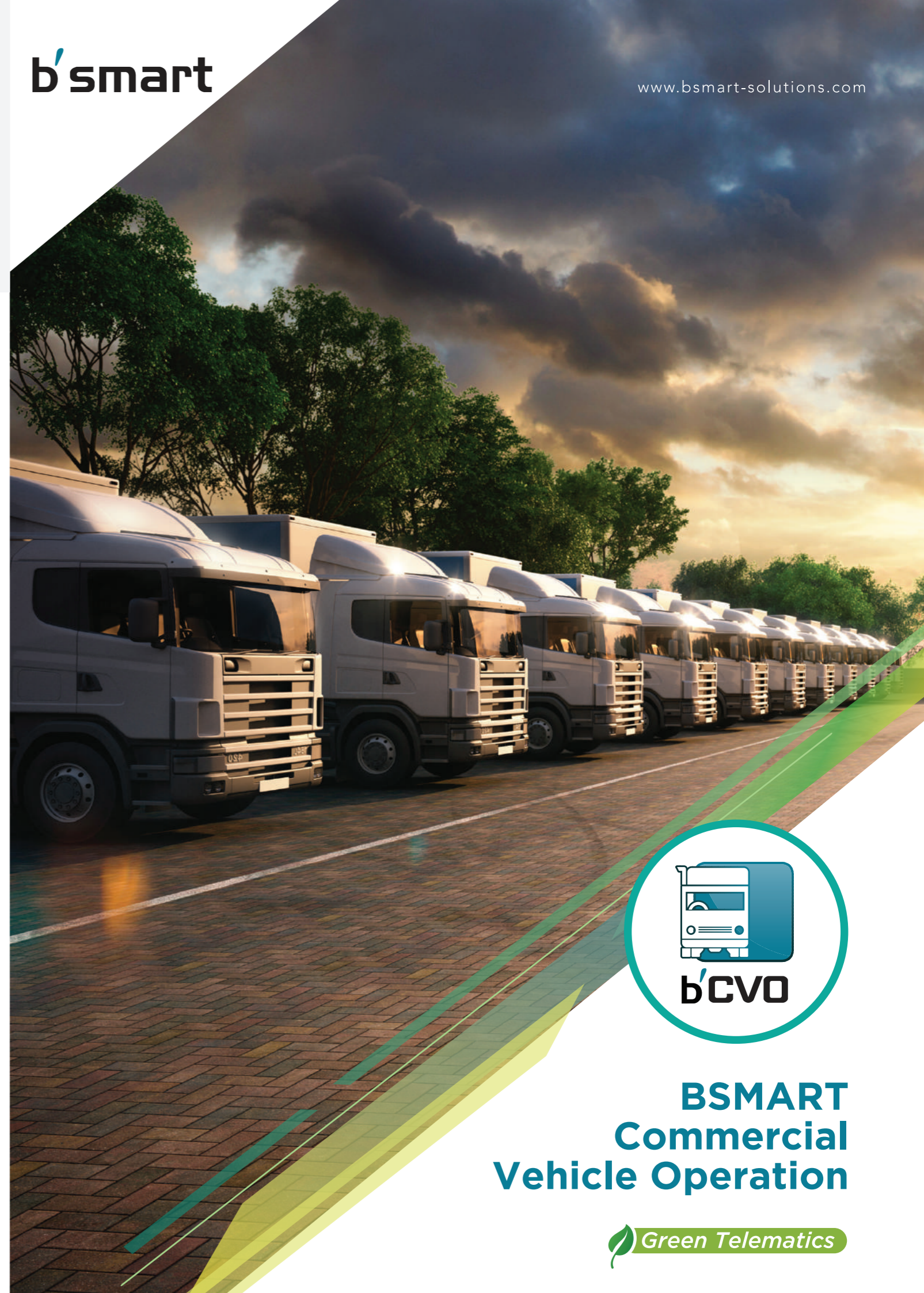- 2005 Gold Medal for British Invention of International Award

- iButton Authorized Solutions Developer
- International Product Certifications: Malaysia, South Africa, Indonesia, Oman, Abu Dhabi & etc
- ACE Assurance Global Product Liability Coverage up to RM1,000,000.00
- R&D initially is funded by MOSTI (Ministry of Science, Technology & Innovation) under Industrial Grant Scheme (IGS)
- Commercialization is subsequently funded by MTDC (Malaysian Technology Development Corporation) under CRDF Fund
- 2nd generation development is funded by MDC (MSC Development Corporation) under MGS Fund
- 13 Patents Filed
- 5 Local and International Certification Awarded
- Operate 10 Monitoring Centres

b'CVO

BSMART Commercial Vehicle Operation

Green Telematics

b'smart
www.bsmart-solutions.com

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Unit 38-3-5, Shamelin Business Centre,
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56100 Kuala Lumpur.

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Distributor:

BSMART Commercial Vehicle Operation

BSMART Commercial Vehicle Operation (b'CVO) provides seamless integrated commercial vehicle operation services within Fleet Operations, Security Operations, Carrier Operations and Support Operations. With **b'CVO**, Commercial Vehicle Operators (CVO) can leverage on **BSMART** to achieve measurable improvements in operation efficiency and effectiveness, enhance safety and security, realize large cost savings while providing high quality services to its customers globally.

BSMART believes the managed services program will save CVO all the hassle of technology upkeep while avoiding complex maintenance, but allow CVO to focus on the business services and application to satisfy its customer needs. At the same time, this cost effective approach provides the opportunity to improve communication and information sharing between CVO, its suppliers and customers for an improved integration and excellent service quality.

BSMART Managed b'CVO Strategy

Automate
Complex operations through computerization

Integrate
Various sub-systems to reduce error & delay

Mobilize
Information technology for seamless accessibility anytime, anywhere

Commercial Vehicle Operation Flow

Factory → In-Transit → Warehouse → In-Transit → Company → Or → Seaport / Airport

In-Transit
- Real Time Visibility
- Computer-aided Scheduling & Dispatching
- Transport Management System Integration
- Secure Route Management
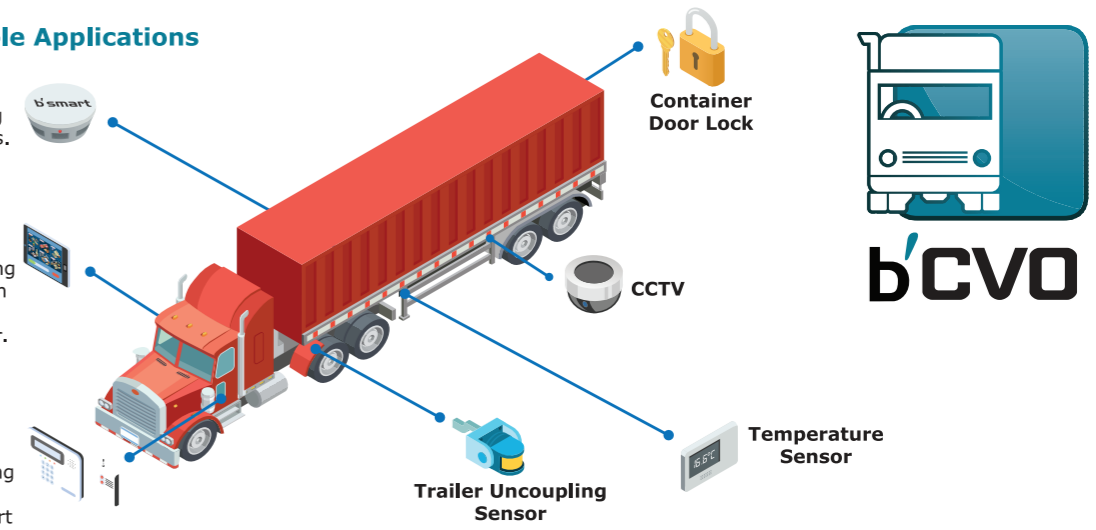- Remote Immobilisation & Theft Recovery Services
- Electronic Proof of Delivery
- Intelligent Real Time SMS / Email Alert Services
- 24-hours Monitoring Services

BSMART b'CVO Offering

Security Operations
- Vehicle Tracking
- Asset Tracking
- Remote Immobilization
- Geo-Fencing Violation Compliance

Fleet Operations
- Automatic Vehicle Location
- Computer Aided Scheduling and Dispatching
- Route Planning
- Fleet Maintenance

Carrier Operations
- 2 ways Messaging
- In-Transit Visibility Report
- Shipment Monitoring Report
- Insightful KPI Report

Services Operations
- 24x7 hours Monitoring Services
- 24x7 Call Center Support
- 24x7 Call Emergency Response Support
- Theft Recovery Service

b'CVO focuses on Fleet Security and operation services and KPI reporting and analysis. **b'CVO** is capable of delivering the following advantages to customers:

Increased Fleet Security
- Fleet is fully secured during transit
- Full accountability
- Container Door can only open when it is at the right destination, with the right electronic Key and within the right period of time

Improved Service Quality
- Improve reliability
- Increase operational flexibility
- Improve user and customer confidence

Increased Operational Efficiency & Productivity
- Reduce errors, wasted effort, and re-work
- Optimize assignment of equipment and people
- Optimize across functional areas
- Reduce slack capacity and inventory

Enhanced Service Integrity
- Better transparency
- Mitigate information losses in progress
- Enhance safety
- Reduce paper work
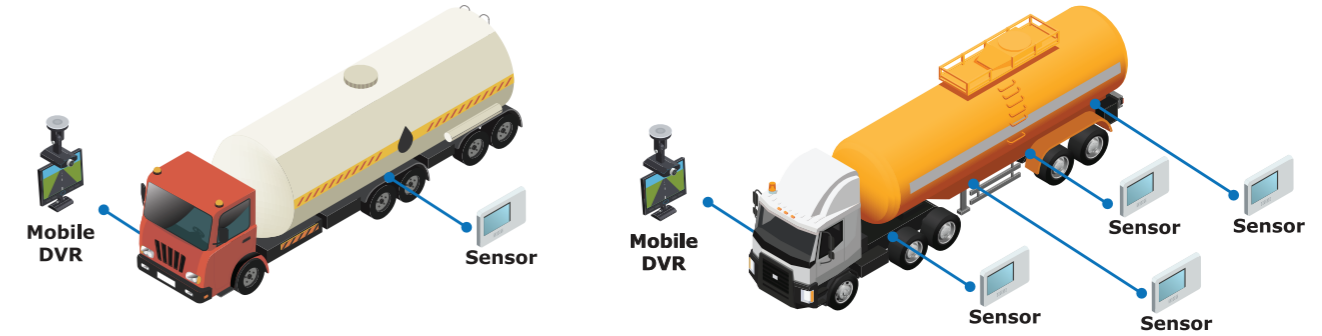
BSMART b'CVO Possible Applications

Driver Recognition
Container Rear Door Opening Sensor. Controlled by wireless. Access Management System.

Driver Terminal / Route Display
b'DT for 2-Ways text messaging and voice communication with supervisor. Optional GPS Navigation, MP3 & MP4 Player.

Telematic Device Panic / Distress Button
b'AT for Real Time GPS tracking and Panic / Distress Button. For breakdown and Hijack Alert to supervisor.

Container Door Lock

CCTV

Temperature Sensor

Trailer Uncoupling Sensor

Fuel Tanker Trucker Cargo Monitoring Terminal

Mobile DVR · Sensor · Mobile DVR · Sensor · Sensor · Sensor · Sensor

b'smart Empowers Management Through Technology

Fleet Management
- Fleet Profile Management
- Fleet Documentation Renewal Reminder
- Fleet Maintenance Management

Compliance Management
- Manage regulatory complianc (licenses, inspections, etc)
- Manage safe driving policy
- Manage company performance policy

Cash Management
- Ticket Reader Integration for real time trip transaction visibility and thus reduce collection funds
- Electronic Payment System Integrat on support micropayment or credit card
- Cashless transaction reduce the collection and cash management risk

Booking Management
- Online booking via web or SMS or smartphone application
- Improve ordering and dispatching efficiency
- Alternative source of income

Preventive Management
- Preventive maintenance program & management for assets
- Driver ranking and profiling
- Enables early warning mechanism & processes

Video Management
- Up to 8-channel 1080P@25FPS live video recording, support OSD overlay for video recording.
- Support video searching, playback and downloading via the platform.
- Support Android and iOS Mobile application

Safety Management
- Manage driver behavior to reduce accident rates and damage to assets
- Provide safe working environment to
- Comply to global safety standards & best practices

Operation Efficiency
- Enables benchmarking of business flow & processe
- Enables key performances indicator reporting based on measured processes
- Automates key business flow & processes based on available data

Driver Management
- Driver Profile Management
- Driver Performance Monitoring
- Driver License Renewal Reminder

Dispatching Management
- Computer Aided Dispatching and Scheduling System
- Configurable Dispatching Algorithm
- Real time order monitoring

Consequence Management
- Enables real-time response to threats issues and exceptions
- Manage the response SOP
- Reduce loss of asset / productivity to company & clients

Security Management
- Real-time exception monitoring and control
- Theft, pilferage, fraud control and reduction
- Detailed record and log for investigation