



CITA - International Conference & 19th General Assembly

Increasing road safety and anti-fraud
by using advanced technology

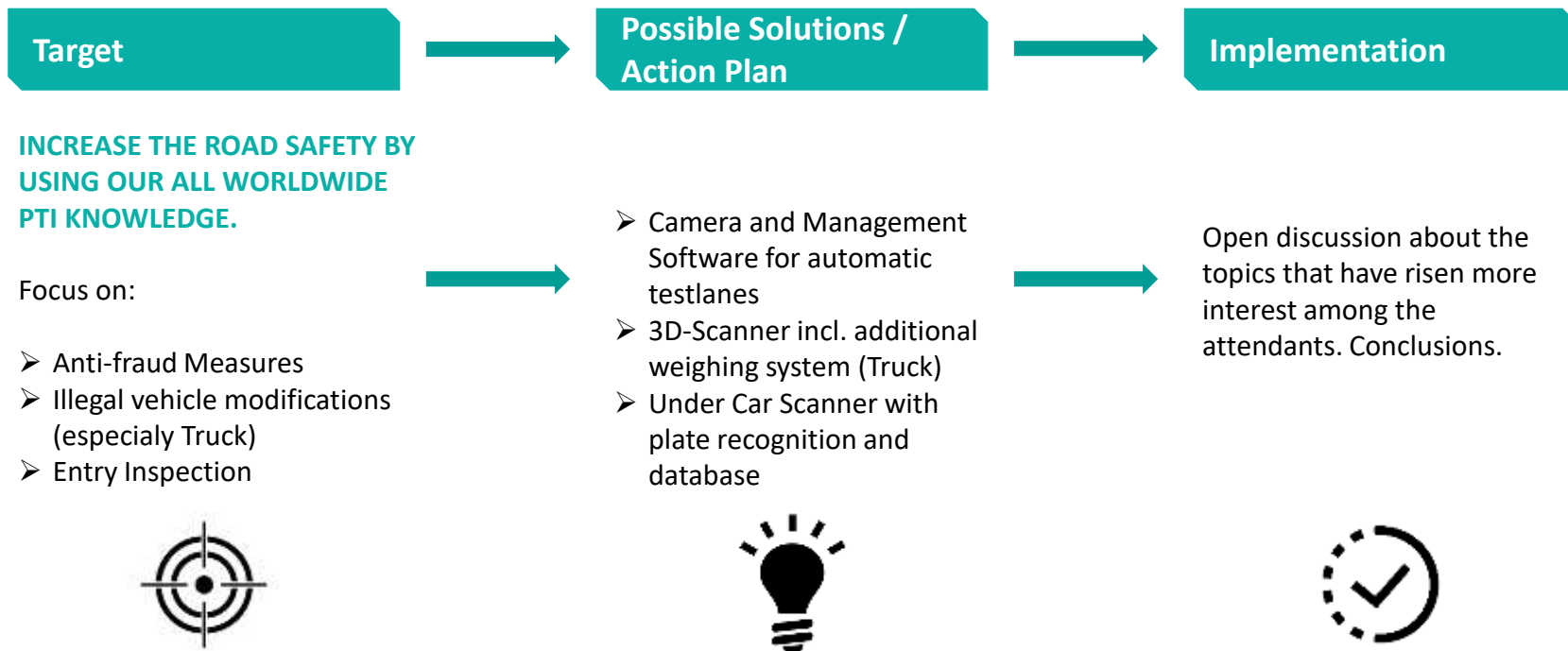


Road safety – advanced test equipment

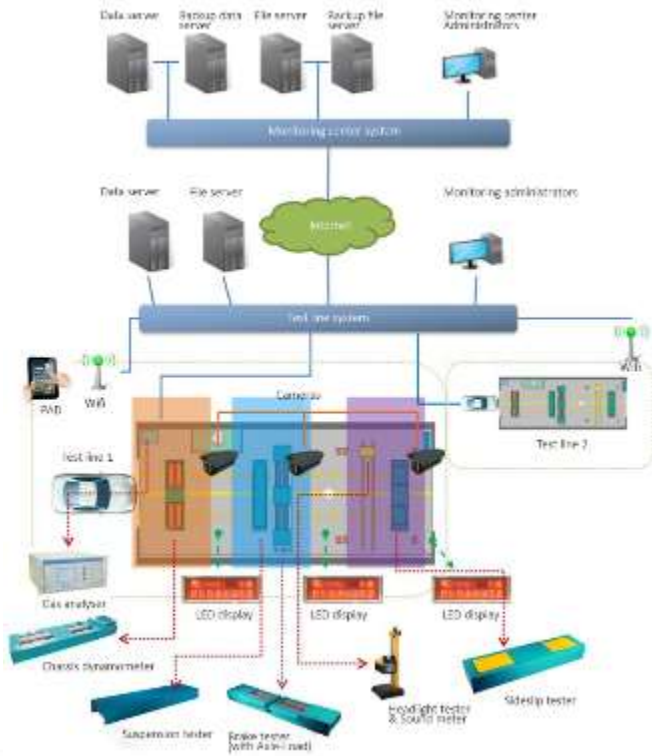
Agenda:

- Software and Camera controlled System
- Automatic Dimension check
- Automatic Under Car Scanner
- Electric Vehicle Data Diagnostic Tool
- Contact

Target



Software and Camera controlled System



1. Communication Protocol

2. Control System

3. Equipment

MainKey:

- Video documentation for:
- Car has passed the PTI test lane
- Documentation and **database** for testresults and car data
- Barrier for **manipulation is declining**



Automatic Dimension check

Illegal Modification



ILLEGAL MODIFICATION exists widely and causes over standard

High potential safety risk



Illegal modified vehicles increase freight volume and cause over load which becomes main reason for **ROAD ACCIDENT** and society focused issue.

State compulsory policy

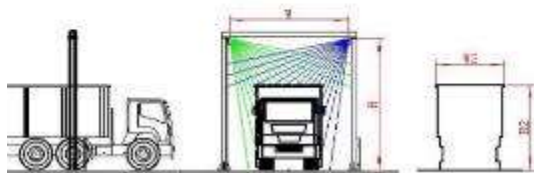


E.g.: in China, since year 2008, the state standard GB regulates an important test item: Compulsory Policy of goods vehicle, trailer, passenger vehicle with length longer than 6 meters **NEW VEHICLE REGISTRATION** or **VEHICLE ANNUALLY INSPECTION** is to test the dimension.

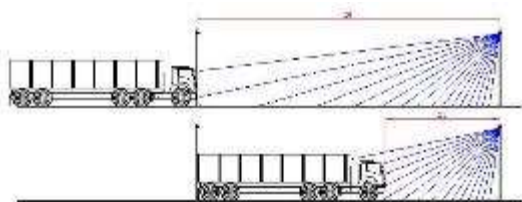
Automatic Dimension check



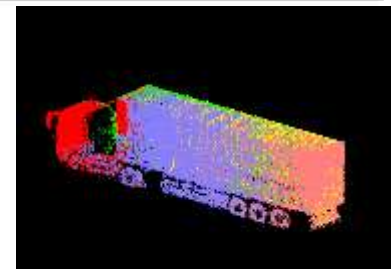
Width



Height



Length



MainKey:

- Reduce the human labour working risk to climb up & down, save working time, decrease the traffic jam around the inspection center or vehicle side track.
- Save the test result as electronic data and picture, easy for data management, reducing manual drawing picture.
- Reliable equipment with high accuracy to be persuasive judgement.
- Use high and advanced technology to update government image.

Automatic Dimension check (EU-Directives 2015/719)

Maximum authorised dimension



“...to **improve road safety**, to adapt the relevant legislation to technological developments and changing market needs and to facilitate intermodal transport operations, while **ensuring undistorted competition** and **protecting the road infrastructure**, must be emphasized.”



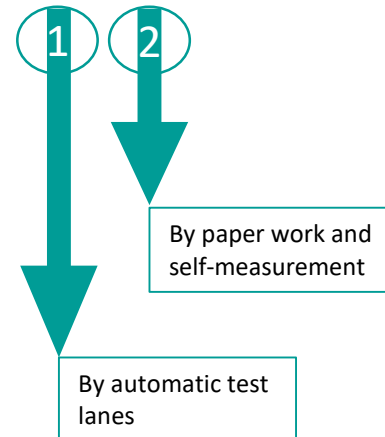
Maximum authorised weights



“(13) In order to **ensure undistorted competition** between operators and to improve the detection of infringements, Member States should, by 27 May 2021, **take specific measures to identify vehicles** or vehicle combinations in circulation that are likely to have exceeded the relevant **weight limits** and that should therefore be **checked**. “



State compulsory policy



Automatic Dimension check: Other purpose

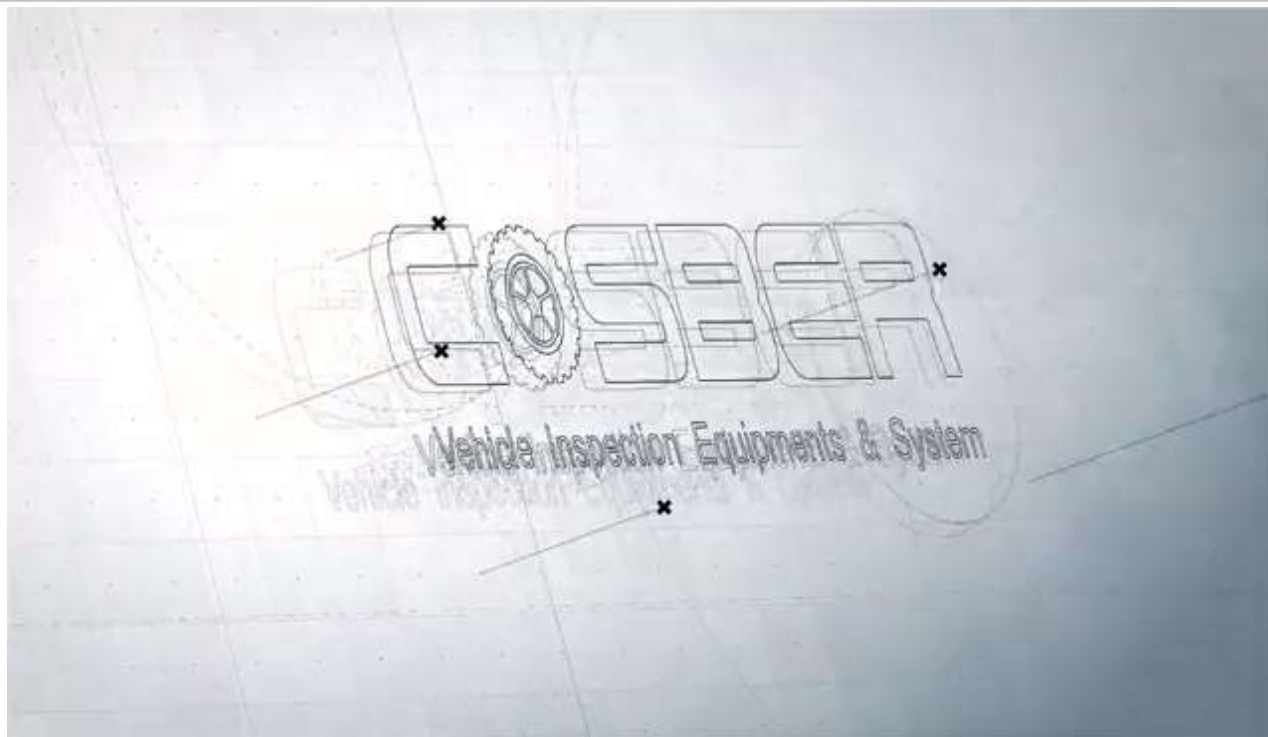
Height control



Ferries: Payment category



Automatic Dimension check



Automatic Under Car Scanner

Plate recognition



Undercar picture



Documentation
/ Database

MainKey:

- Replace workshop pit
- Quick and accurate entry-inspection
- Reducing investment of labor cost
- Safety check for dangerous articles

Anti-fraud Measures

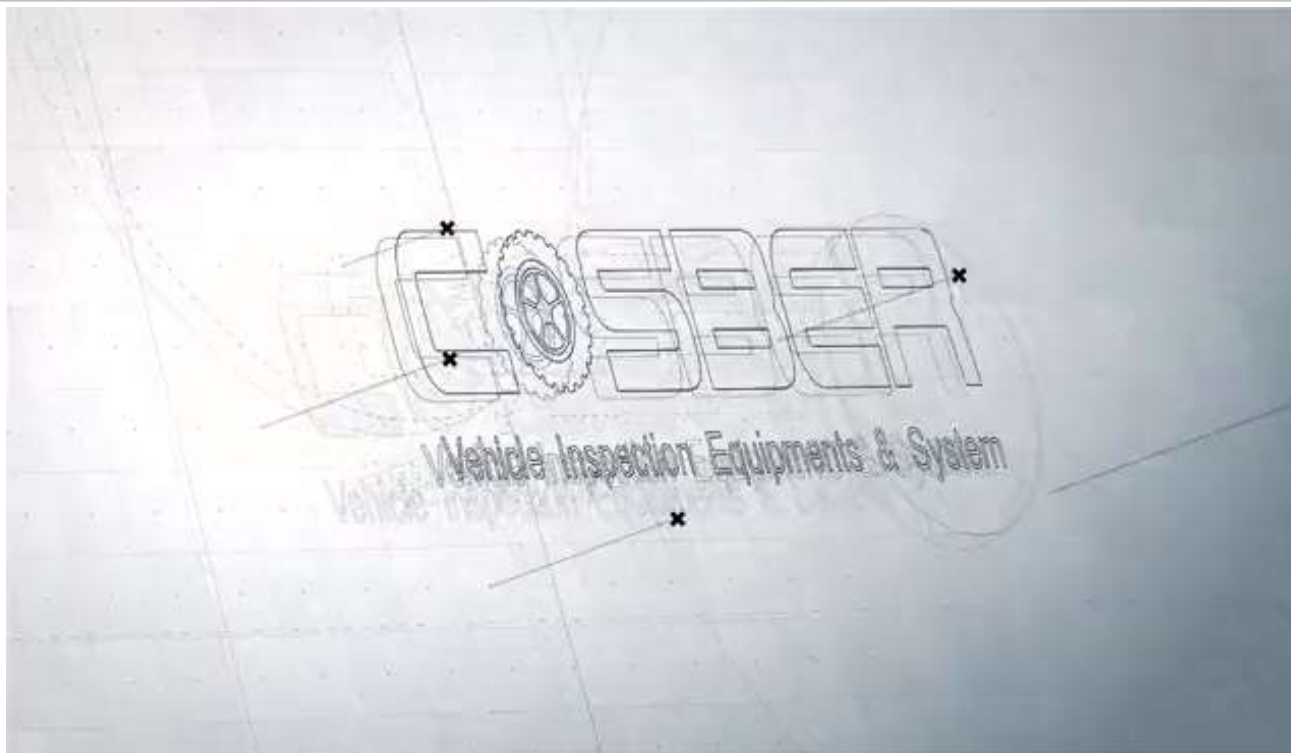


Automatic Under Car Scanner: Other purpose

Security Check



Automatic Under Car Scanner



Electric Vehicle Data Diagnostic Tool

Battery Tester



Battery Tester
under load



Evaluation of
Battery

MainKey:

- Battery Check
- Loading Station Check
- Detecting possible defects
- Prevent defect used cars



Hv Insulation
Property Meter



EV Data
Diagnostics
Instrument



Radiation
Meter



Appearance
of pictures
(PDA)



Data interaction and
control system and
bench

Dynamometer
test bench,
electric vehicle



Electric Vehicle Data Diagnostic Tool





Smart Integration · Global Innovation

Invitation to the 13th CITA RAG Asia/Australasia Meeting

Date: 20th & 21st November 2019

Venue: HILTON Shenzhen Shekou Hotel, Shenzhen, CHINA

Hosted by Shenzhen COSBER Ind.



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Thank you!

