

# We **Test** and **Certify** Road Safety

## **FULL CRASH TEST & VIRTUAL TEST LAB**

Road Restraint Systems  
Antinoise Devices  
Vehicle Security Barrier Systems  
Support Structures for Road Equipment  
ITS & Infomobility

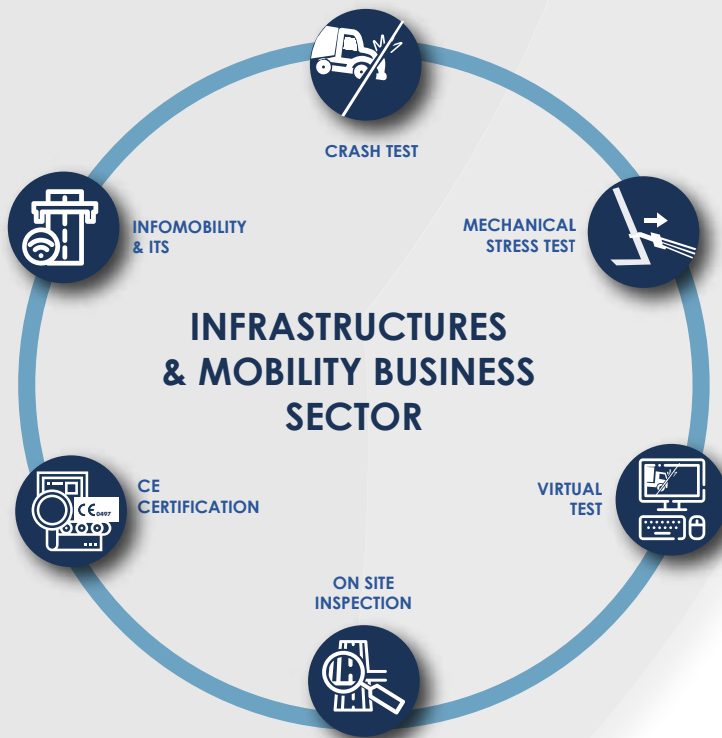


[automotive.csi-spa.com](http://automotive.csi-spa.com)

# About us

CSI is an IMQ Group company. Leader among the European laboratories, CSI has been providing support to industry worldwide for over 25 years in the field of testing, performance, development and homologation services.

CSI Infrastructure & Mobility business sector deals with road safety. Testing activities are carried out in conformity with the standard **EN ISO/IEC 17025**. Test sites cover **160.000 m<sup>2</sup>** of land and 11.000 m<sup>2</sup> of laboratories.



SCAN QR CODE  
TO KNOW MORE

# Main Services

## Full scale crash test

### Road Restraint Systems

According to standard: EN 1317 | AASHTO MASH | GOST 33129-14 | JTG B05-13

### Support structures for road equipment

According to standard: EN 1276

### Security fence systems

According to standard: ASTM 2781

### Vehicle security barrier systems

According to standard: BSI PAS68 | IWA 14 | ASTM F2656

### Motorcycle devices

According to standard: CEN/TS 17342

### Antinoise devices

According to standard: EN 14388

**Customized mechanical stress test:** simplified impact tests with bougie, detection of the stresses by means of strength gauges and/or load cells, anchor bolts dynamic pull-out, soil and foundation characterization. Pull-push on work site for checking the behavior of barriers posts.

**Virtual test** performed according to EN16303; CAE service; Dynamic analysis with FEM.

**ITS test** (type V2I, V2V, and I2X) on different kinds of road application such as tolling, traffic control, access control, ADAS.

## Notified body

Notified Body no. 0497 for CE Certification, CSI deals manages assessment, Factory production control, Certification, Annual surveillance.



Mauricio Vargas Hernandez |  
Automotive BU | Sales Engineer  
tel. (+39) 02 38330 298 | mob. (+39) 338 3123 747  
mauricio.vargashernandez@csi-spa.com