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## Smart RRS

### Innovative Concepts for smart road restraint systems to provide greater safety for vulnerable road users

Project details	
Domain	Road and Tunnel Infrastructure
Duration	from 01/12/2008 until 01/12/2011
Website	<a href="http://smartrrs.unizar.es/">http://smartrrs.unizar.es/</a>
Other sources	<a href="#">Project details</a>

Many injuries and deaths are a result of impacts with current road restraint systems especially in the case of vulnerable road users such as motorcyclists, cyclists and passengers where impacts with supports or edges usually result in amputations or sectioning of torsos in a guillotine effect.

Furthermore once an accident has occurred; the time between the impact and receiving immediate initial first aid can be crucial; delays in alerting emergency services or incorrect location information given to emergency can cause waste life saving moments for injured people or even result in emergency services going to the wrong location of the accident.

This project will develop a new smart road restraint system that will reduce the number of deaths and injuries caused in road traffic accidents by integrating primary and tertiary sensor systems in a new RRS system; providing greater protection to all road users, alerting motorists and emergency services of danger so as to prevent accidents happening, and alerting them of accidents as they happen to maximize response time to the exact location of the incident.

#### Coordinator

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#### Partners

- [IDIADA Automotive Technology SA](#) (ES)
- [Instituto de Investigación sobre Reparación de Vehículos, S.A.](#) (ES)
- [Sistemas de Protección para Seguridad Vial](#) (ES)
- [Arcelor Mittal Ostrava AS](#) (CZ)
- [ESSEX County Council](#) (UK)
- [TRW Limited Trading \(CONEKT\)](#) (UK)
- [FEMA - The Federation of European Motorcyclists Association](#) (BE)
- [University of Firenze](#) (IT)
- [MOUCHEL LTD.](#) (UK)

