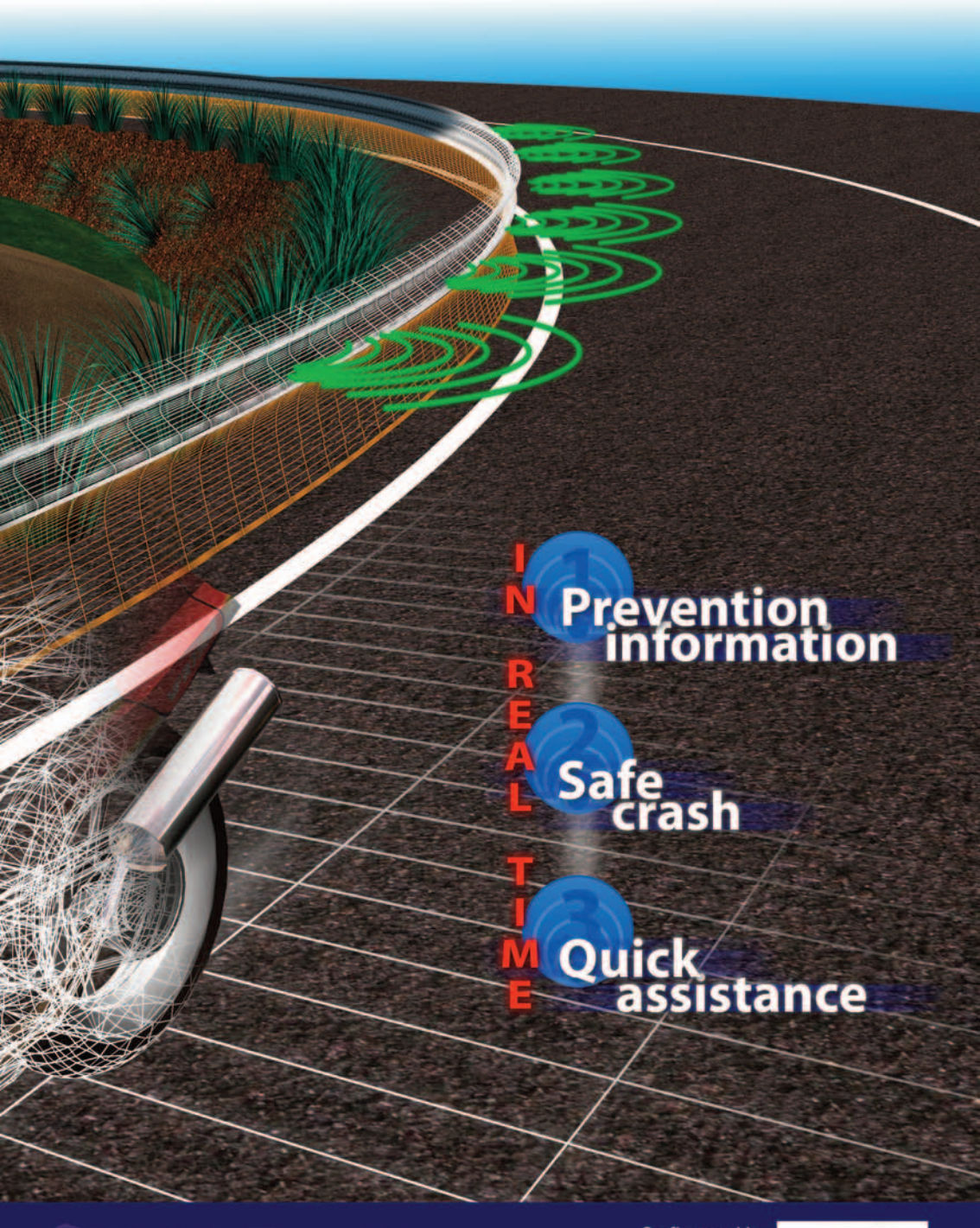
SMART RRS
Road Restraint Systems

INNOVATIVE CONCEPTS FOR
SMART ROAD RESTRAINT SYSTEMS
TO PROVIDE GREATER SAFETY
FOR VULNERABLE ROAD USERS

SMART ROAD RESTRAINT SYSTEMS WORKSHOP

12/05/2010 - IDIADA Automotive technology SA



Project nº 218741

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2007 - 2013

SMART Road Restraint Systems RRS

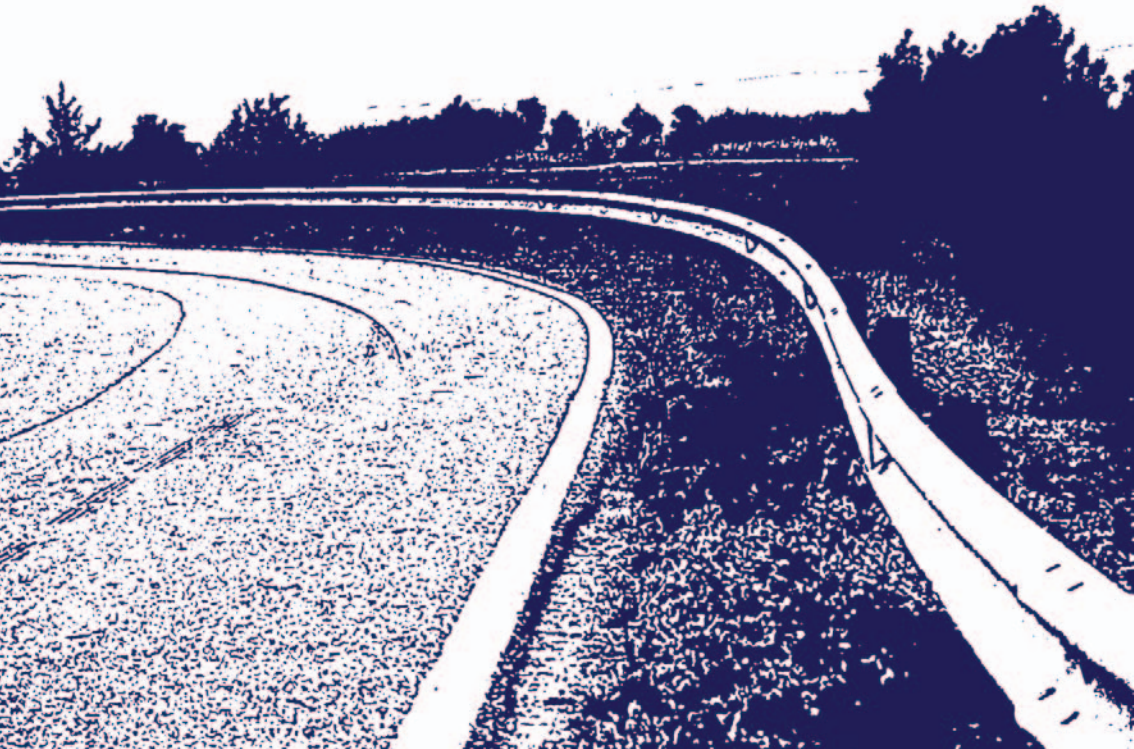
INNOVATIVE CONCEPTS FOR SMART ROAD RESTRAINT SYSTEMS TO PROVIDE GREATER SAFETY FOR VULNERABLE ROAD USERS

Presentation:

Motorcycles, bicycles and other two wheelers have always been vulnerable on the roads. The improvements that have been brought to the vehicles in terms of passive safety had obviously noticeable consequences on the accident statistics on recent years. Paradoxically, the most vulnerable vehicles received less improvement and attention and are nowadays facing quite a big distress with dramatic consequences for human lives. While it is naturally easier to develop protective devices on cars, trucks, buses etc. by using their metallic structures, vulnerable road users need different development of innovative devices for their protection.

In the case of vulnerable road users such as motorcyclists, cyclists and passengers, many injuries and deaths are a result of impacts with current road restraint systems especially 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 inicial 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.

The objective of this Technical Day is to analyse this problem and to present a potential solution by the FP7 Project Smart RRS "Innovative concepts for smart road restraint systems to provide greater safety for vulnerable road users".
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 maximise response time to the exact location of the incident.



SMART ROAD RESTRAINT SYSTEMS WORKSHOP

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Agenda

10:00 - 10:15 **Welcome and Introduction to the Workshop.**
Agenda

10:15 - 11:00 **The Problem to Solve**
Vulnerable Road Users' Safety: Which problems we face?

11:15 -11:30 *Coffee break.*

11:30 - 12:15 **Protection Systems – Continuous and Punctual**
Presentation and analysis of the different Road Restraint Systems
Review of Standards and Regulations

12:15- 13:15 The European FP7 **Smart RRS Project**
-Introduction to Smart RRS Project
-Objectives:
- To develop a new smart road restraint system that will reduce the number of deaths and injuries caused in road traffic accidents
- To integrate primary and tertiary sensor systems in the system to provide greater protection to all road users, alerting motorists and emergency services of danger
- This will help prevent accidents happening and alerting emergency services of accidents as they happen to maximise response time to the exact location of the incident.

-Future Actions

13:15- 14:45 **Roundtable discussion**

14:45-16:00 *Lunch*

16:00 -17:00 **Demonstration: Crash Test of Protective Devices for Vulnerable Road Users**

17:00 -17:30 **Workshop conclusion**
Final discussion.




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The seminars will be held at **IDIADA Automotive Technology** on the **12/05/2010** and will involve discussions and presentations to give a better understanding of the current situation, the objectives for the project, and its outcome.

After the seminars a crash test will be held on site to show the negative effects of actual road restraint systems to motorcycle riders.

If you are interested in attending the workshop contact:

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Partners:

- UNIVERSITY OF ZARAGOZA
- IDIADA AUTOMOTIVE TECHNOLOGY SA
- INSTITUTO DE INVESTIGACIÓN SOBRE REPARACIÓN DE VEHÍCULOS SA
- SISTEMAS DE PROTECCIÓN PARA SEGURIDAD VIAL SL
- FEDERATION OF EUROPEAN MOTORCYCLISTS ASSOCIATIONS
- ACERLOR MITTAL OSTRAVA AS
- MOUCHEL LTD
- ESSEX COUNTY COUNCIL
- TRW LIMITED TRADING (CONEKT)
- UNIVERSITA DEGLI STUDI DI FIRENZE

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