

MYMOSA workshop

Welcome to TNO
Eindhoven, February 4th 2010

TNO | Knowledge for business



Agenda



Day 2 – Thursday, February 04, 2010	
Morning session	
09:00 (Chairman: TNO)	Welcome (TNO)
09:10	Introduction (ICL): Presentation of the MYMOSA network
09.20 – 11.00 (Chairman: LMS)	WP1 (Accident dynamics - LMS): A short presentation by the WP-leader, followed by presentations by all ESRs and ERs involved in WP1.
11:00-11:20	Coffee break
11:20–12:40 (Chairman: ICL)	WP3 (Protective equipment - ICL): A short presentation by the WP-leader, followed by presentations by all ESRs and ERs involved in WP3.
12:40-14:00	Lunch
Afternoon session	
14:00-15:20 (Chairman: UNIFI)	WP2 (Integrated safety - UNIFI): A short presentation by the WP-leader, followed by presentations by all ESRs and ERs involved in WP2.
15:20-16:20 (Chairman: TNO)	WP4 (Biomechanics - TNO): A short presentation by the WP-leader, followed by presentations by all ESRs and ERs involved in WP4.
16:20-16:40	AOB (ICL).
16:40-17:00	Closure of the meeting



TNO

- Was founded in 1930 by act of parliament
- The TNO mission:

To apply scientific knowledge with the aim of strengthening the innovative power of industry and government



The strength of TNO

From concept to innovation

Developing
fundamental
knowledge

In cooperation
with universities

Developing
knowledge

In cooperation
with partners

Applying
knowledge

In cooperation
with customers

Utilising
knowledge

Anchored in
the market

The five core areas of TNO



TNO Quality of Life



TNO Defence, Security and Safety



TNO Science and Industry



TNO Built Environment and Geosciences



TNO Information and Communication Technology

8 BU's



Business Unit Automotive

- Independent Automotive research, development and testing center for
 - *Sustainable Driving* - powertrain efficiency, emissions, control
 - *Safe Driving* - collision mitigation and injury risk reduction
 - *Mobility* - cooperative driving and e-horizon

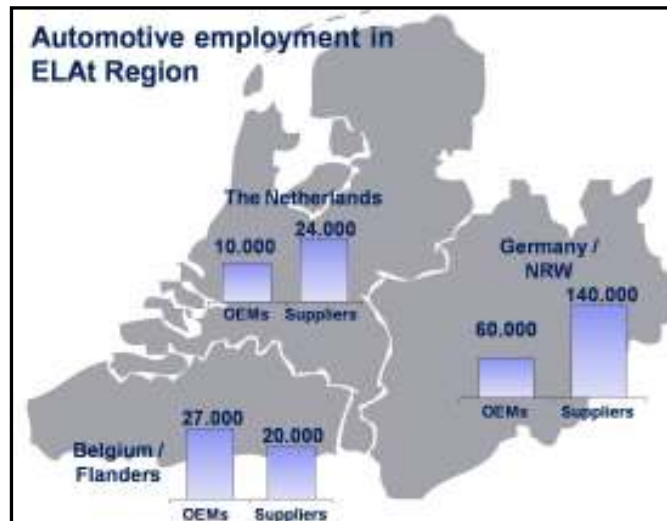
Mission:

TNO Automotive provides technological vehicle solutions for Safe and Sustainable Mobility to strengthen innovative power of industry and government

- With a wide range of products and services
 - Research and development
 - Applied technology
 - Development tools
 - Testing and consultancy
 - Certification

Business Unit Automotive

- 2 R&D departments: *Integrated Safety* and *Power Trains*
- Over 35 years of automotive experience
- Approx. 150 FTE Staff
 - >65% MSc or PhD
- Annual turnover close to 30 M€



Drivers & trends for Automotive Safety

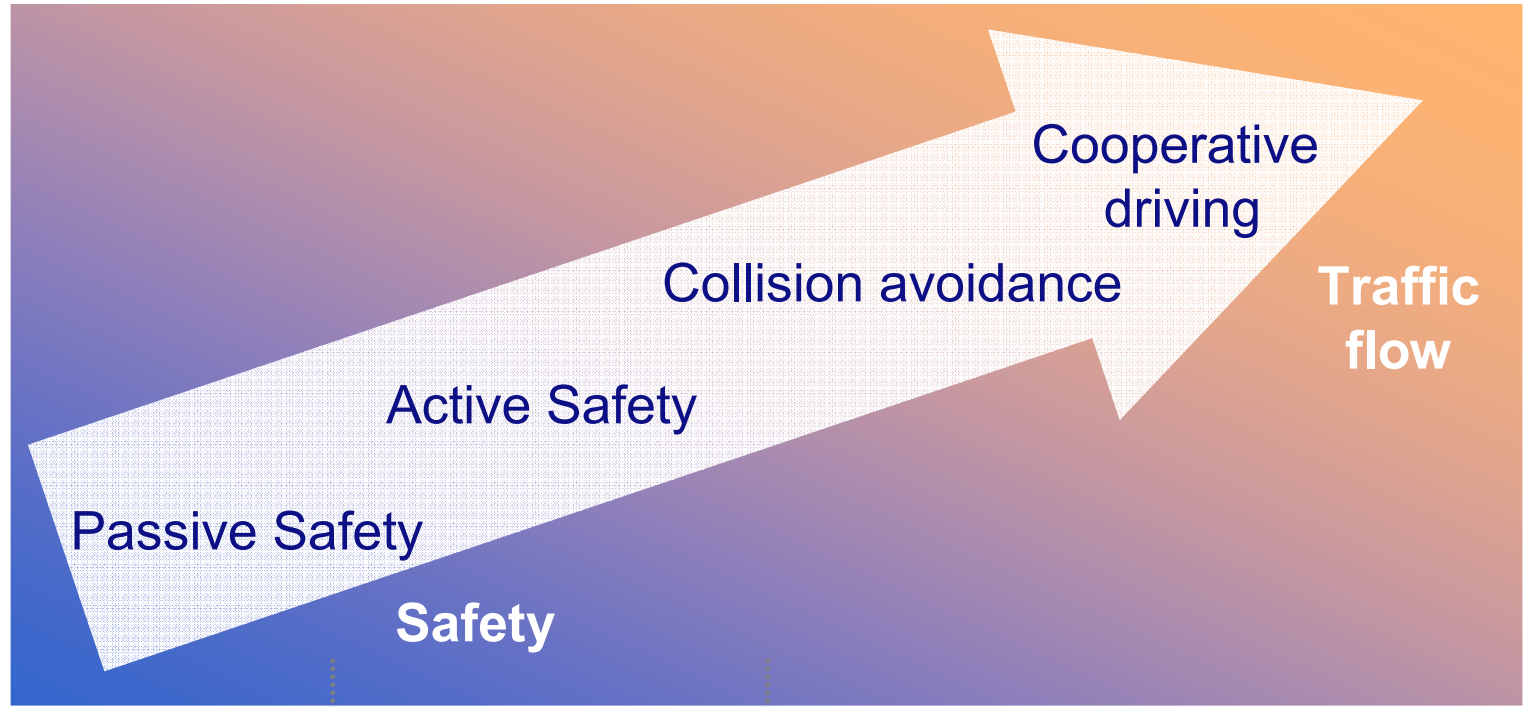


2009

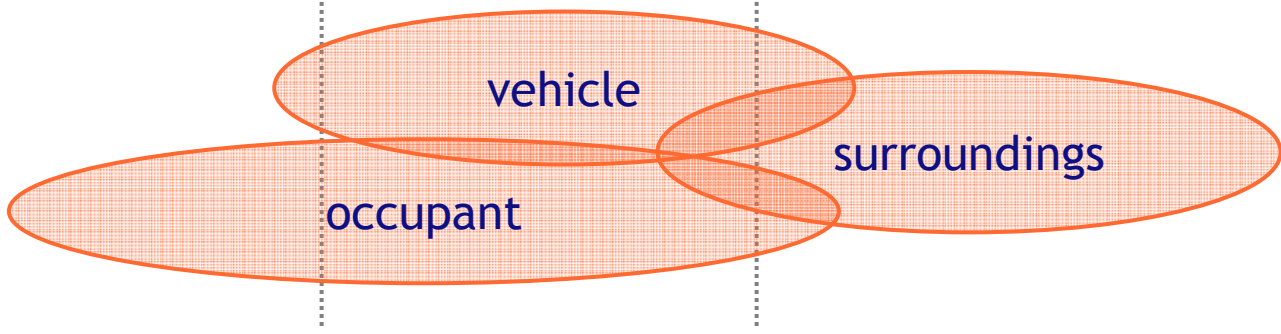
Level of Safety ↑



1959



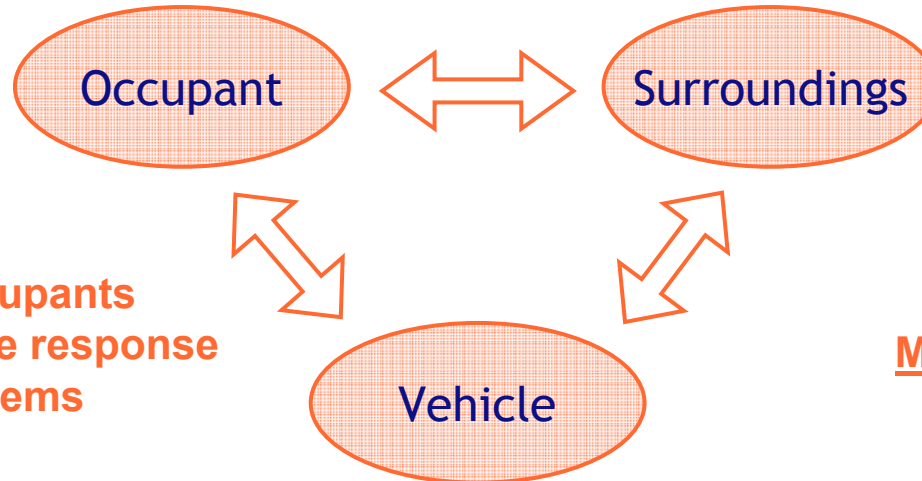
Collision Just before collision Preview time →



Integrated Safety – Focus areas



Monitor the occupants and optimise the response of restraint systems



Monitor the surroundings and support the driver



Monitor the vehicle and optimise its behaviour through active steering, braking and suspension

Integral view on focus areas to achieve Safe Driving and Mobility





Concluding remarks

- The project MYMOSA shows complete overlap with integrated safety department focus areas
- TNO has the ambition to operate on an internationally leading level and welcomes the networking opportunities offered within the Marie Curie actions
- More information:
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