

ITS AND VEHICLE SAFETY – FUTURE DEVELOPMENT

A Manufacturers Perspective



Anders Eugensson Director, Volvo Car Corporation

ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 1



The Dream – Mobility Freedom ... vs Current Situation



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 2



The safety vision


... vs Current Situation



ITS Conference Beijing 2007
Anders Eugénsson
Date: 2007-10-13, page 3



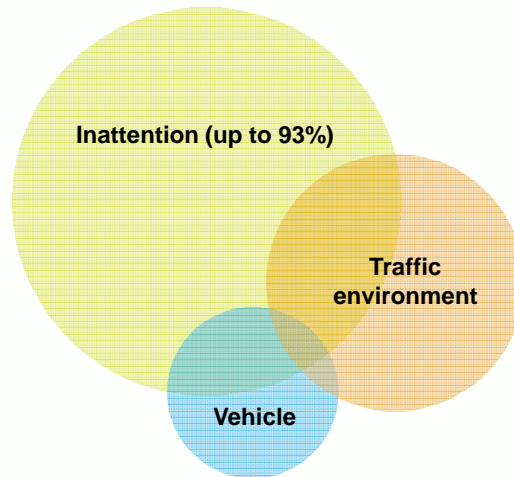
The Target – In Haddon Matrix Terms

	People	Vehicle	Infrastructure		
Before		<div>Avoiding Accidents</div> <div>Accidents Eliminated</div>			
During					
After					

ITS Conference Beijing 2007
Anders Eugénsson
Date: 2007-10-13, page 4



The Reality – What Causes Accidents?

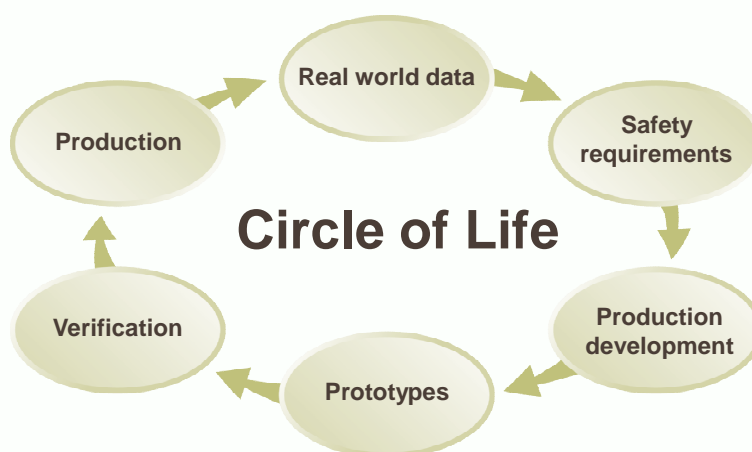


Source: Virginia Transportation Institute

ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 5



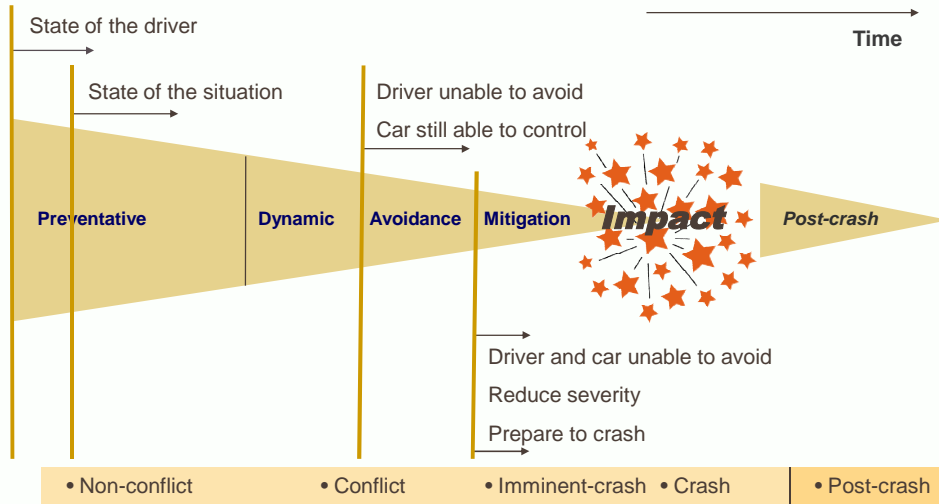
The Base – An In-Depth Knowledge of Real-World Safety



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 6



The Holistic View of Safety



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 7



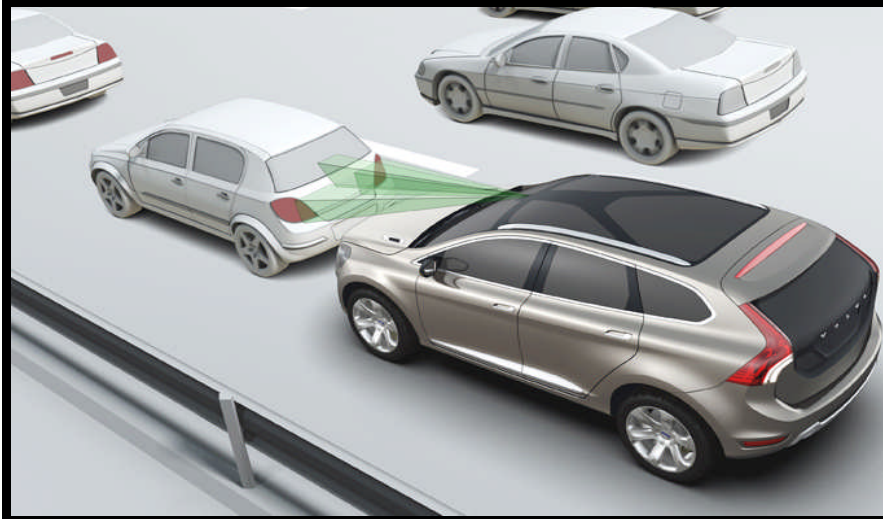
Technology as Countermeasure in the Holistic Perspective



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 8



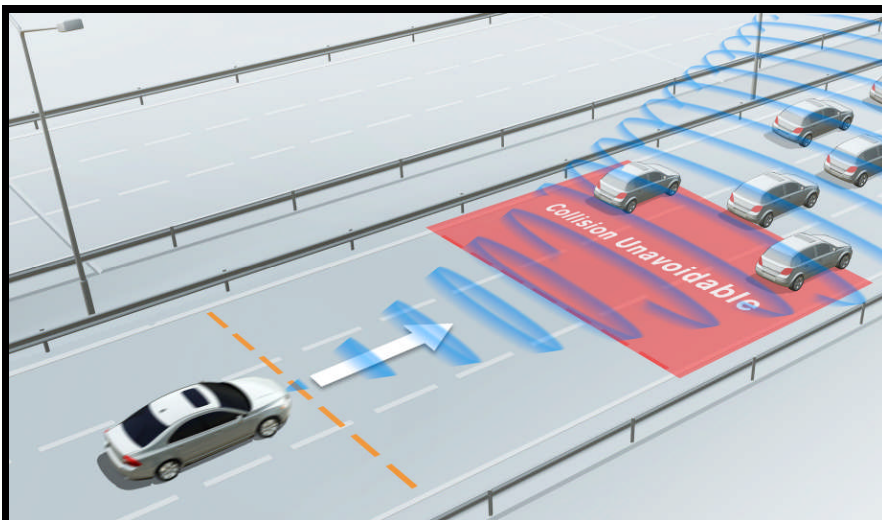
Mitigation: City Safety



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 9



Avoidance / Mitigation: Collision Warning with Autobrake



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 10



Preventative: Driver Alert



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 11



Preventative: Alcoguard



Volvo Alcoguard System

Preventing drunk driving



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 12



ITS - International Harmonization of Legal Requirements

- Volvo Cars believes that:
 - market driven introduction preferable to legal requirements
 - Legal requirements must be performance oriented
 - Careful considerations not to impede development
- Volvo Cars supports international harmonization:
 - Through UN-ECE process
 - Developments of GTRs
- Considerations must be given to differences in certification systems

ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 13



The Dream



ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 14



Thank You!

ITS Conference Beijing 2007
Anders Eugensson
Date: 2007-10-13, page 15

