Smart Mobility
Dutch Automotive Industry

300 companies
45k employees
17B€ revenue

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Dutch Automotive Industry

Focus area’s:
• Vehicle efficiency
• Cooperative Mobility

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Freedom, prosperity, fun...
The car as ultimate freedom machine
Negative aspects

Air pollution
Negative aspects

Traffic jams
Matrix signs

Current measures
Smart Mobility: look at the car to come with the solution
Focus on 3 key societal issues:

Energy
Focus on 3 key societal issues:

Energy
Health

Science for Society
Focus on 3 key societal issues:

Energy
Health
Smart Mobility

Science for Society

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Research themes Smart Mobility

ICT / Embedded Systems
Stable and safe embedded distributed system design

Lead Technology area’s

Automotive Technology
Cars as sustainable zero emission vehicles

Freight Transport and Logistics
Process controls for more efficient planning

Intelligent Transport Systems
Cars as computers on wheels sharing data

Enabler

Enabler

Mobility and Traffic
Models for insight in mobility patterns and road traffic user interaction
Car as sustainable zero emission vehicles
Electromagnetic car suspension:
+ comfort
+ safety
Intelligent Transport Systems

Car as computers on wheels sharing data

Intelligent Transport Systems

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Intelligent Transport Systems

Car Navigation System

Intelligent Transport Systems

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Negative sides

Mobility and Traffic

Models for insight in mobility patterns and road traffic user interaction

Mobility and Traffic
Process controls for more efficient planning

Freight Transport and Logistics
Cars in the future:
- No pollution
- Sustainable energy source
- Near-zero accidents
- Being in a traffic jam is predictable and voluntary happening
• Cars themselves will solve the problems they created
• They need a surprisingly low infrastructure investment for that
• Everybody will still be able to enjoy the freedom of driving
No pollution and traffic jams due to intelligent cars