

Where innovation starts

Join the future of Mobility!

Maarten Steinbuch

BBZOB
Symposium Smart Technology – Smart People
Sept,20 2013

TU/e Technische Universiteit
Eindhoven
University of Technology

@M_Steinbuch



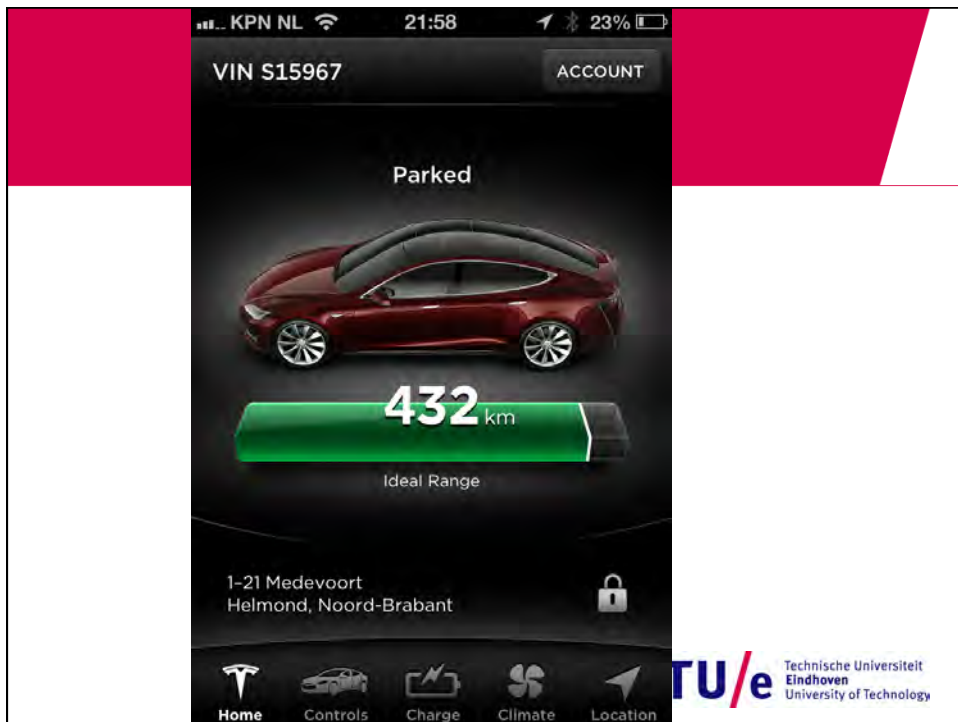
The car is a high tech system

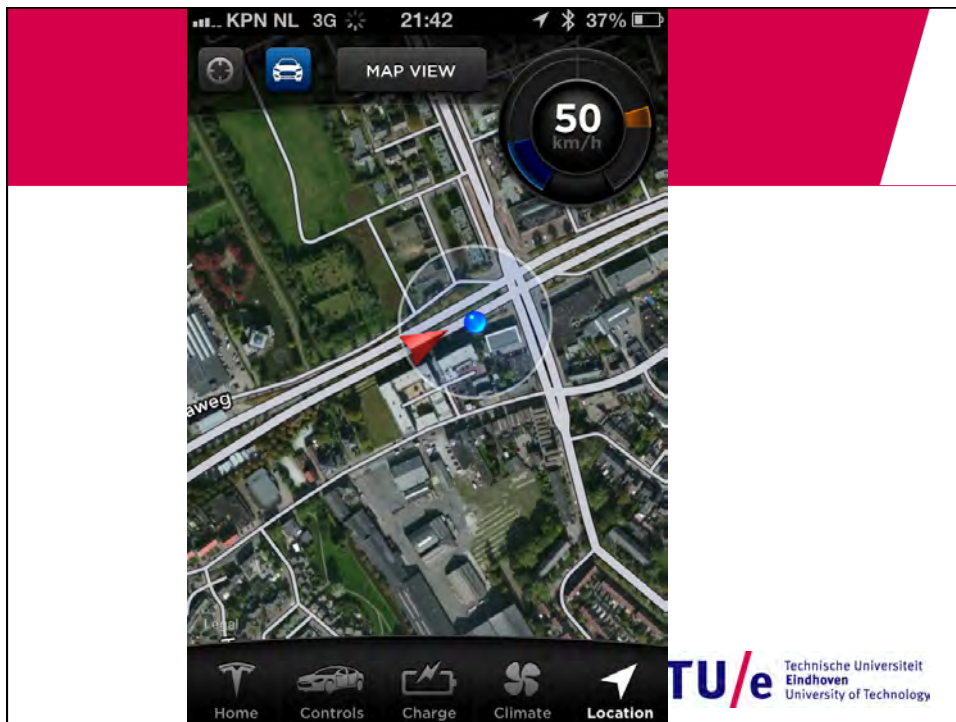


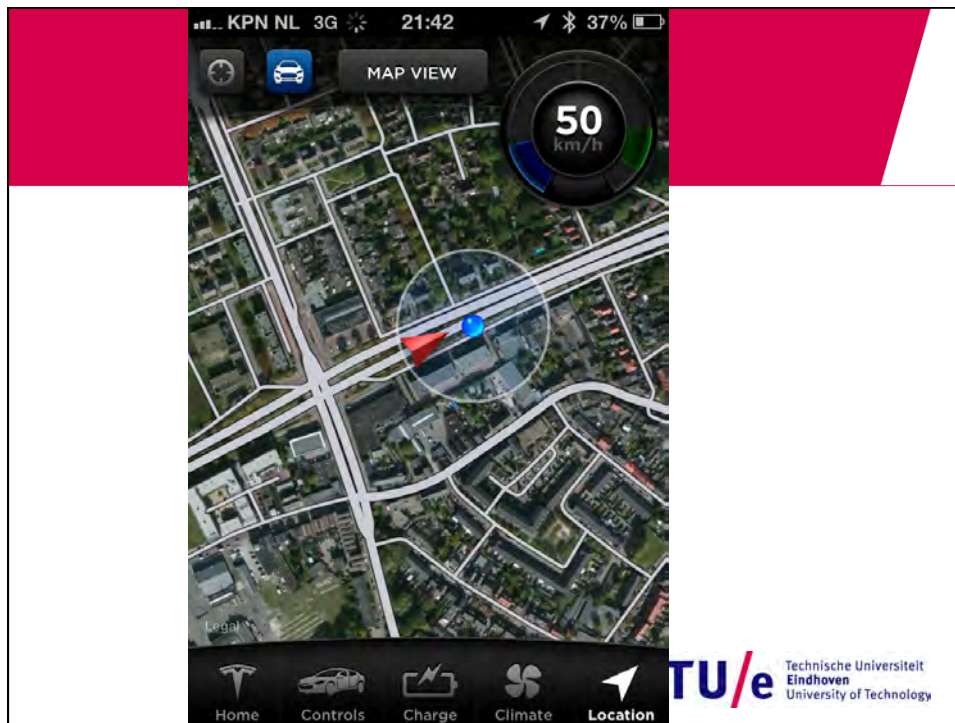
Beter Bereikbaar Zuidoost-Brabant (BBZOB)

Het ontwikkelen en testen van technologie om de verkeersdoorstroming te verbeteren heeft de laatste jaren een vlucht genomen in de regio Zuidoost-Brabant. Intelligente Transport Systemen (ITS) en mobiliteitstechnieken zijn ontwikkeld met als doel: minder files, meer veiligheid en minder uitstoot. **Maar is de weggebruiker ook bereid Smart Technology te accepteren en toe te passen?** Samen met u willen wij tijdens dit symposium kijken naar de impact van slimme mobiliteitsoplossingen voor de weggebruiker. Aan de hand van diverse onderwerpen, zoals privacy, betalingsbereidheid, informatieverwerking en autonoom rijden wordt Smart Technology verbonden aan Smart People (de weggebruiker).









Why we?

Did you know that 80% of ALL ICs worldwide are being made on machines designed and manufactured in Brainport?

Did you know that:



EVERY FIVE MINUTES a truck is born in Eindhoven?

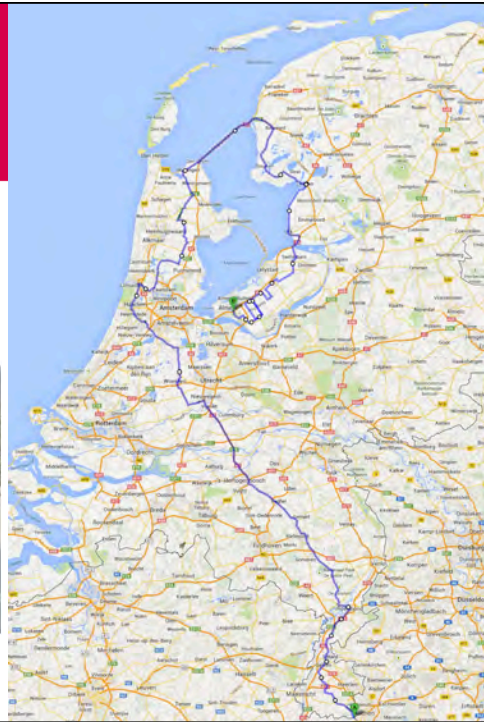
Did you know that:



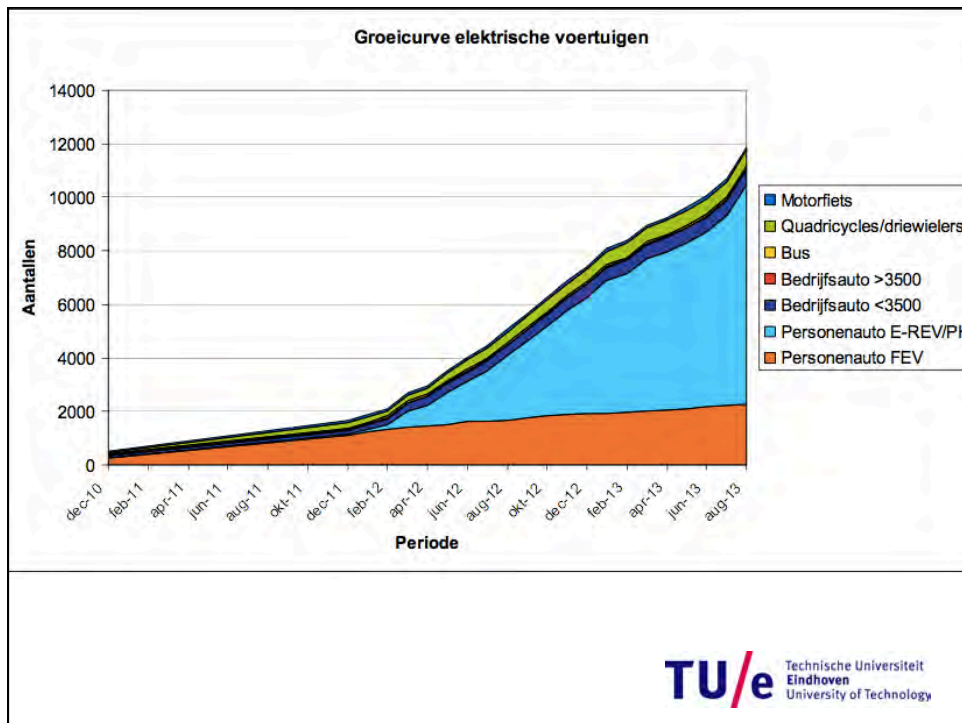
7.5% OF ALL WORLDWIDE SALES OF NEW CARS
has a CVT push belt from Tilburg?

2013 Tesla Model S European Range Record


625 km with one
battery charge (80 kWh)
130 Wh/km



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TU/e University of Technology



Did you know that:
in the waferfab of
NXP in Nijmegen yearly 700.000.000 (700M) ICs are
manufactured for the automotive market.



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Did you know that:
EVERY DAY 6.000.000.000 anonymous
measurements from cars worldwide are received by
TomTom?



Home Shop for Cars Shop by Technology Research Forums News

Home / **By 2040 Autonomous Cars Forecast To Comprise 75 Percent of All Vehicles**

PUBLISHED SEPTEMBER 26, 2012
BY JEFF COBB



This year the state of Nevada issued a driver's license to a Google Prius. How long before a variety of driverless vehicles become the norm? If ever?

If you follow the headlines as do a lot of people, you'll note today's youngest drivers have less-to-no interest in driving automobiles. While marketers are chasing the elusive "Gen Y" species with a variety of lures, perhaps these younger folks' sensibility is a sign of things to come, given a recent pronouncement that by 2040 three out of four cars will be autonomous.

This prediction for 75 percent driverless vehicles comes via eminent members of the world's largest professional association for the advancement of technology, the Institute of Electrical and Electronics Engineers (IEEE).

Over the next 28 years, they say, vehicular travel and the automotive landscape as we know it will radically evolve toward driverless cars.

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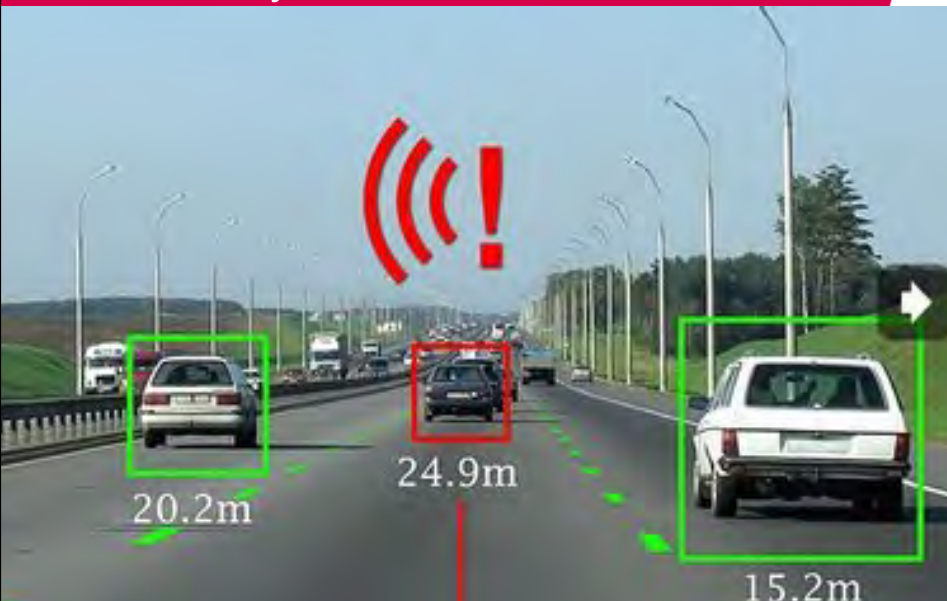
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Automotive Education @ TU/e

Bachelor Automotive @ dept Electrical Engineering

Master Automotive @ dept Mechanical Engineering

PDEng Automotive @ dept Computer Science



Structure Bachelor (BSc) Automotive Technology



Subfields

Professor Maarten Steinbuch :
"Modern cars are intelligent high tech systems. "

<u>The Digital Car</u>	Computation for AU, sensing computing and actuating, vehicle networking, automotive software engineering
<u>The Controlled Car</u>	Dynamics and Signals, Systems, Vehicle dynamics and mechanical vibrations, control engineering
<u>User centered auto-mobility</u>	Auto-mobility + Driver-centric Innovation
<u>Automotive trends</u>	Automotive Trends I and II
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Join the future of Mobility & Automotive!!!



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