Where the second second

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The shift to self-steering and sustainable mobility

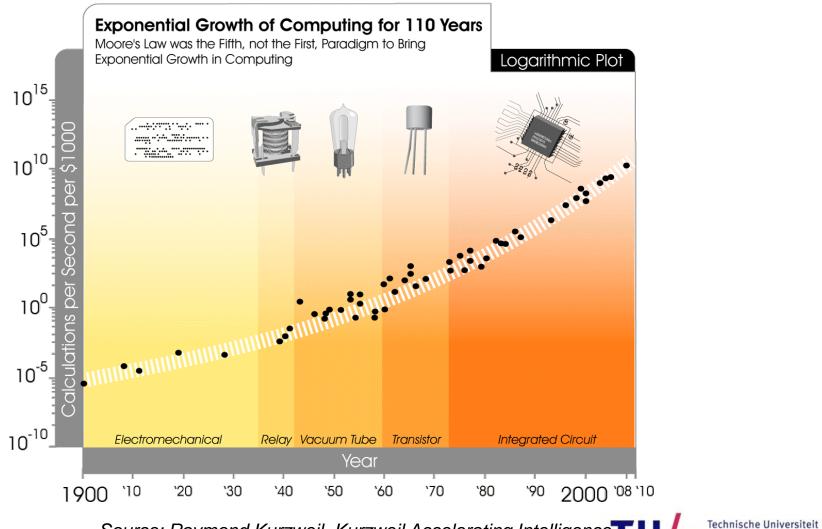


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Moore's law



Source: Raymond Kurzweil, Kurzweil Accelerating Intelligence

Eindhoven

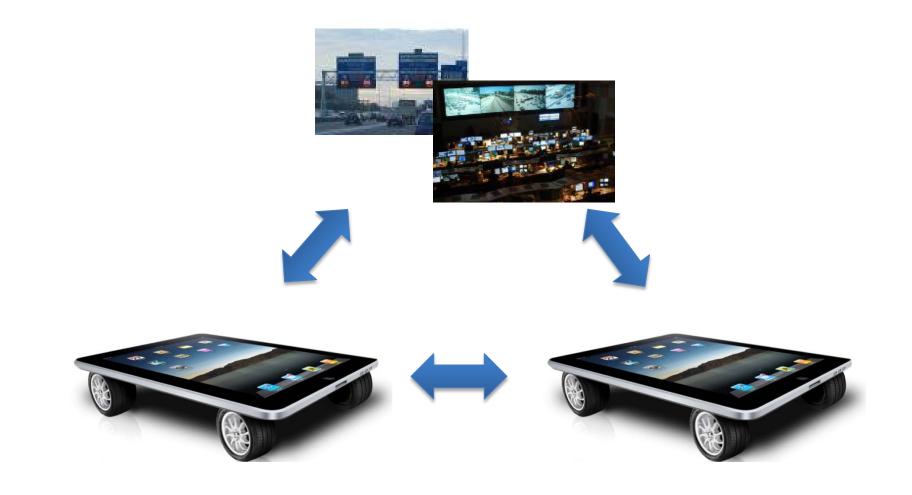
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And now, Moore's law has entered the vehicle...



- A modern car produces 100Tb data per hour
- The new Mercedes S-Class has more ECU's and 100x more lines of software code compared to a Boeing 747
- The vehicle starts outsmarting the driver. After ESP and ABS, more and more functions are taken over by the vehicle







Smart Mobility: Cars using ICT are jointly solving their own problems / TU/e

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Cost of Mobility





In 2009:

- Safety: 1,7
- Congestion: 0,9
- **Environment:** 0,3
- 2,3 % GDP
- 1,2 % GDP
 - 1,4 % GDP
- 4,9 % GDP TOTAL: 3,0

Source: KiM Mobiliteitsbalans 2009, CPB 2004, I&M 2008



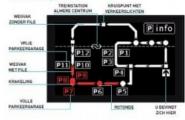
Traffic Management 2.0

- Traffic management is quickly changing towards a selfsteering system of well-informed individuals. Traffic jams are a voluntary and predictable event, information about all other options is available and people will use them.
- Road Authorities can substantially safe on traffic management:
 - Everybody is informed; hardly anybody will look on public signs anymore
 - Variable Message Signs, Matrix Signs, Dynamic Route Information Panels, Radio broadcasted traffic information, all will be redundant
- Infrastructure will be far less complicated. "Smart Cars on Stupid Roads"





Wat betekenen de symbolen op het grafische informatiepaneel?







Thank You

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