Selective Automated Driving As a Pivotal Element To Solve Safety And Environmental Issues In Personal Mobility

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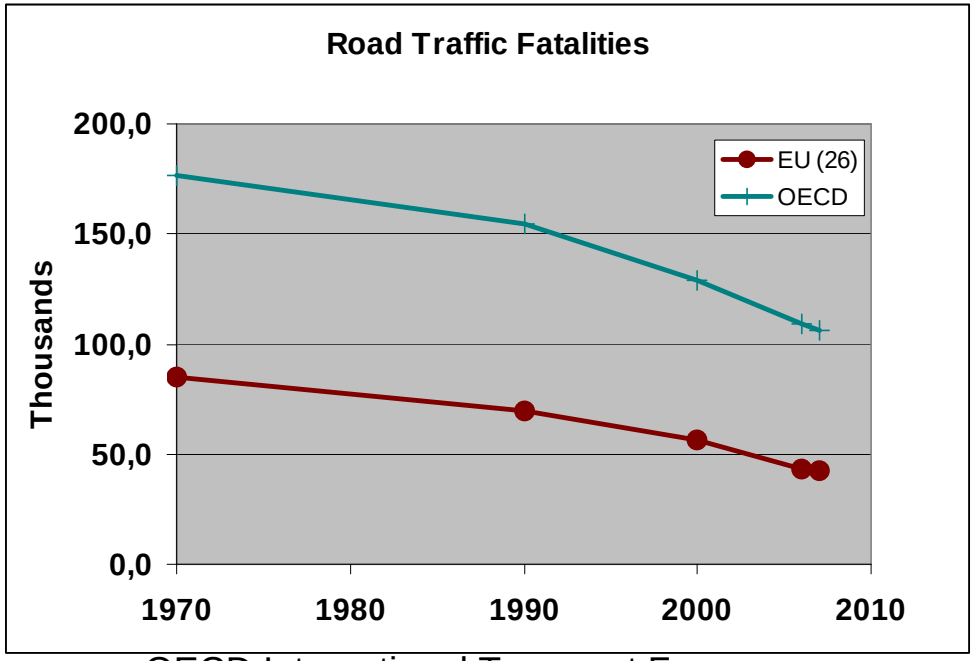
Need For Action

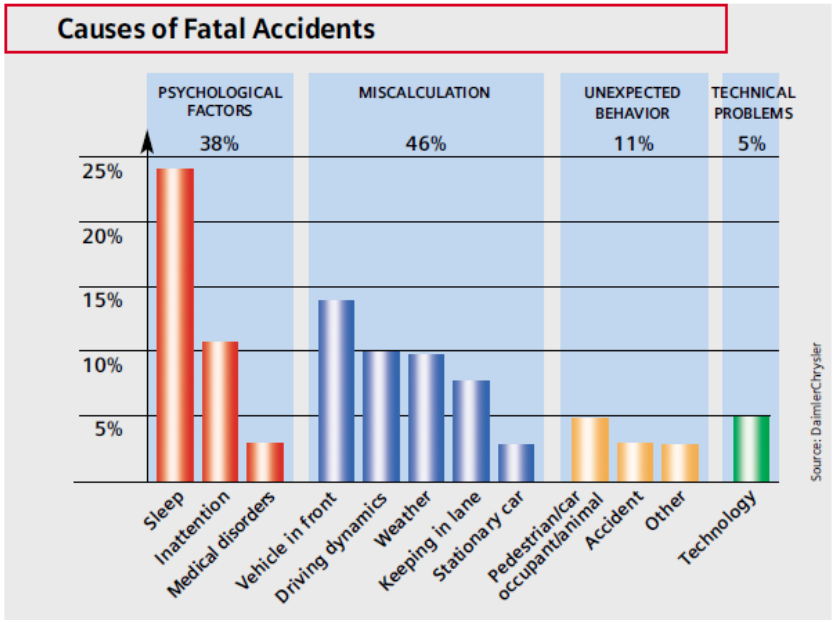
- Despite all success in passive safety the toll of injured and killed people in traffic is too high
- Environmental impact must be minimized
  - Fuel consumption (CO_2) and emissions
  - Road infra-structure
- Increasing density and complexity of traffic
  - Loss of convenience
  - Increasing number of elderly drivers
  - Unpredictable duration of trip

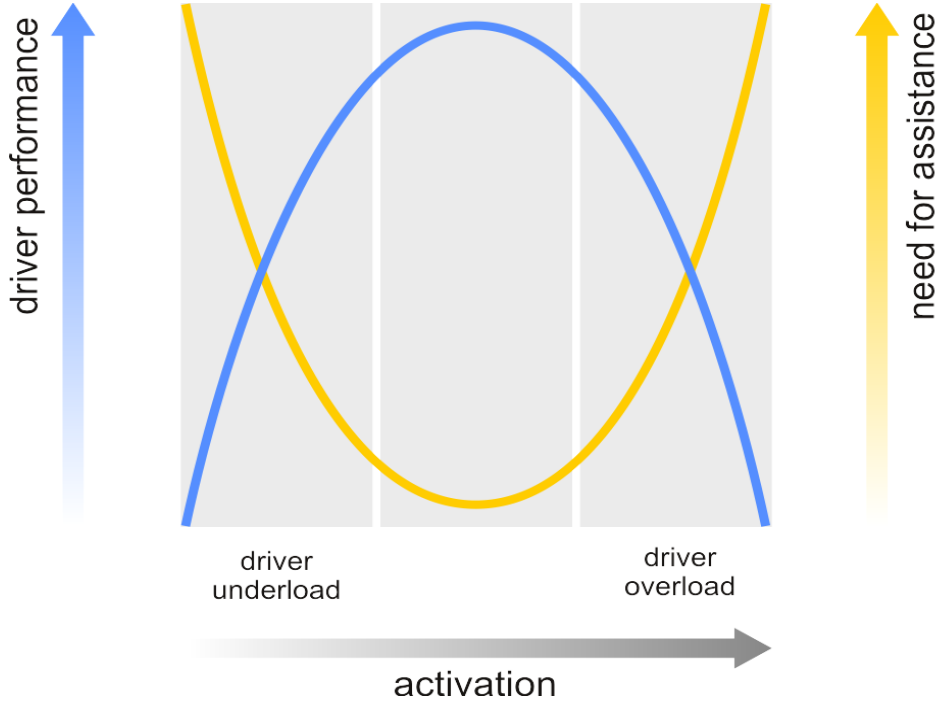


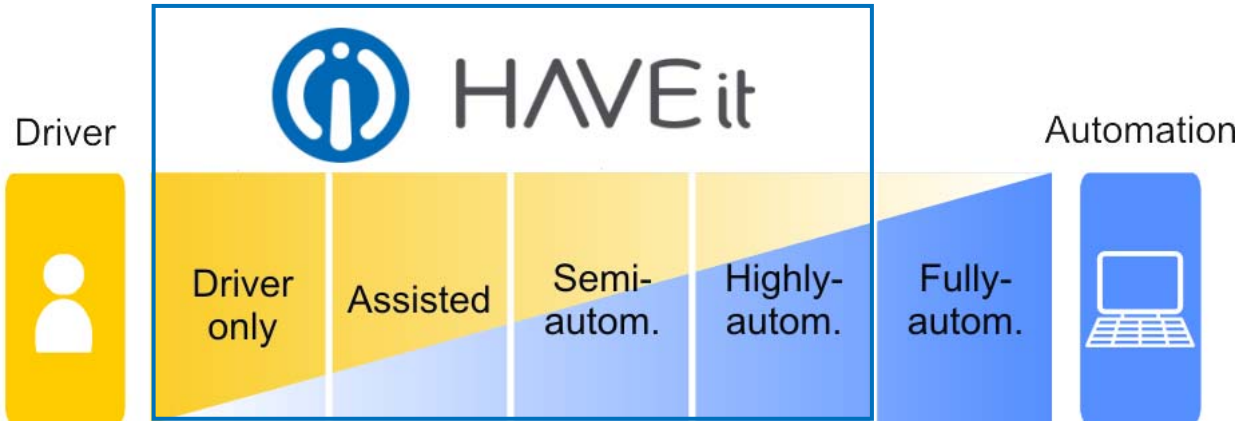
OECD International Transport Forum
http://internationaltransportforum.org/statistics/trends/index.html#Road_Accidents

http://www.pdphoto.org/PictureDetail.php?mat=&pg=7228

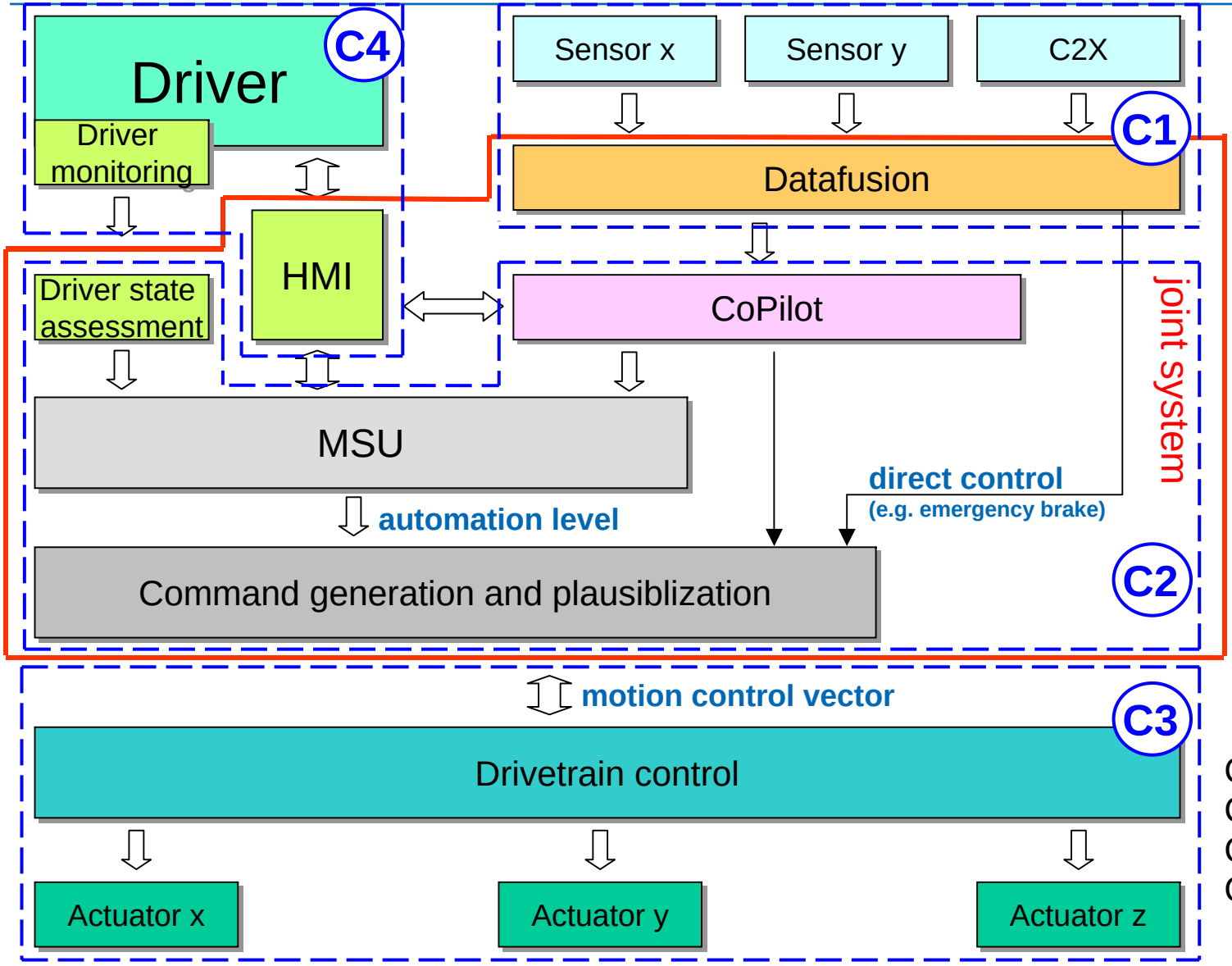
Root Cause and the HAVEit Approach: Automation to Assist and Not Replacing the Driver





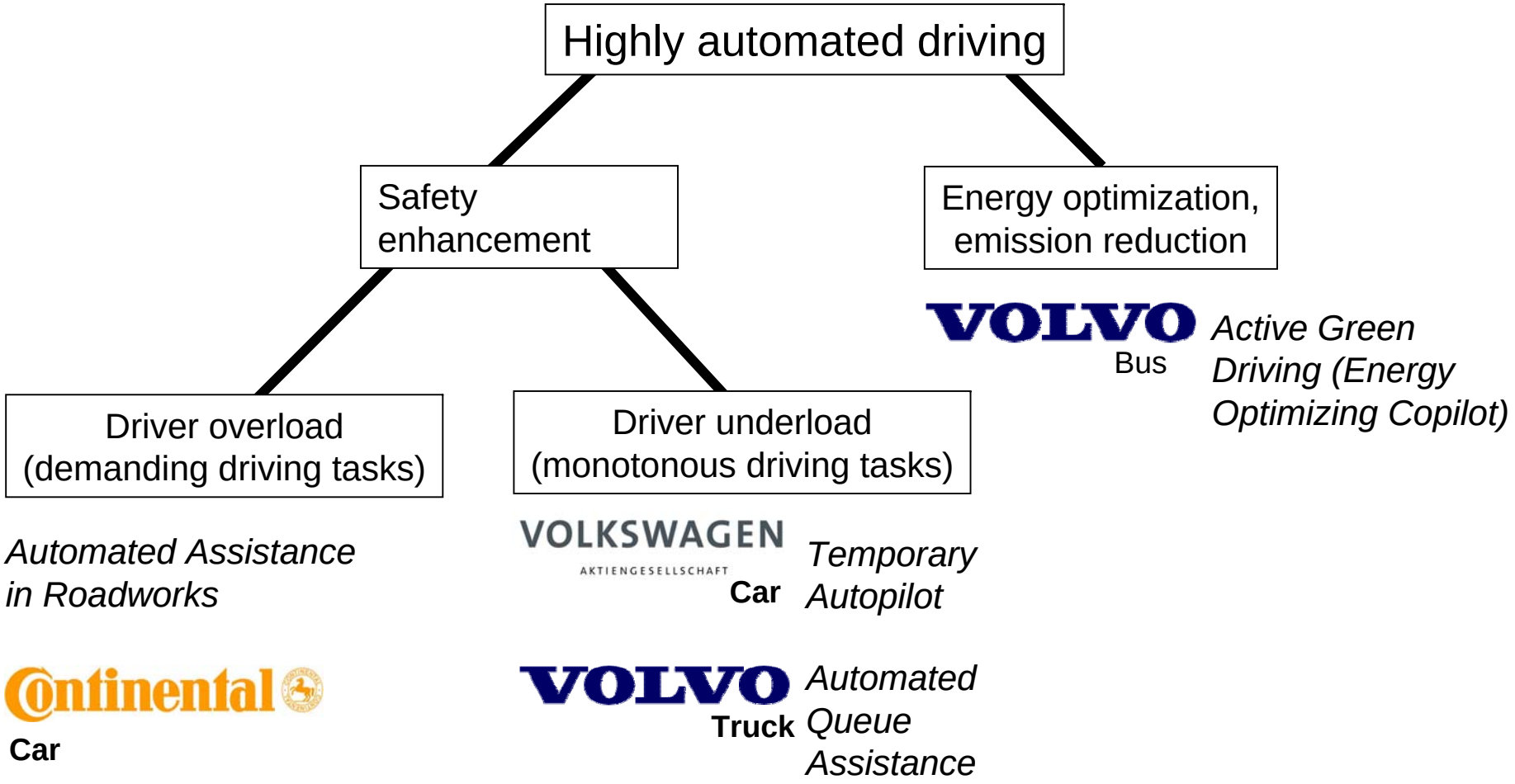


The Central Element of HAVEit: Joint System



C1: Perception layer
C2: Command layer
C3: Execution layer
C4: HMI to integrate the driver

One Approach: Several Use Cases



HAVEit Consortium

Thank you!

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