Self-Driving Vehicles: Changing the Mission of Human Machine Interface

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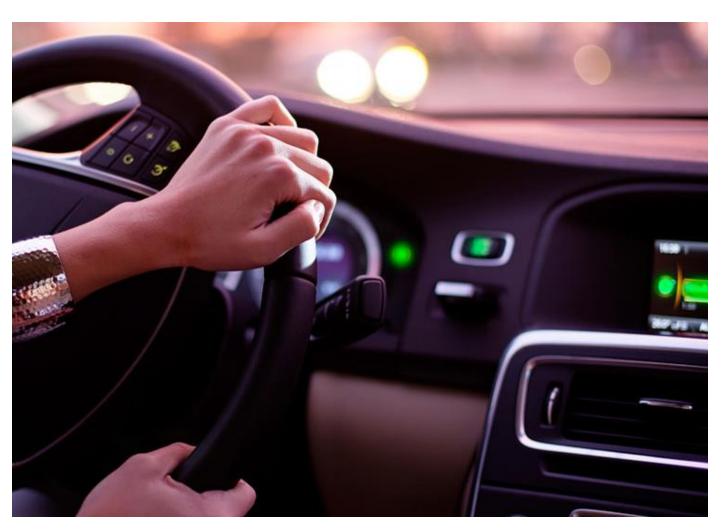
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Agenda



Status Quo

Autonomy and Evolution

Examples

Conclusion

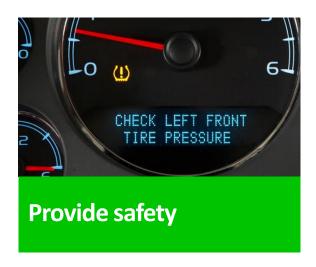


Status Quo: The mission of in-car HMI today



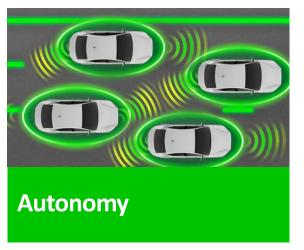






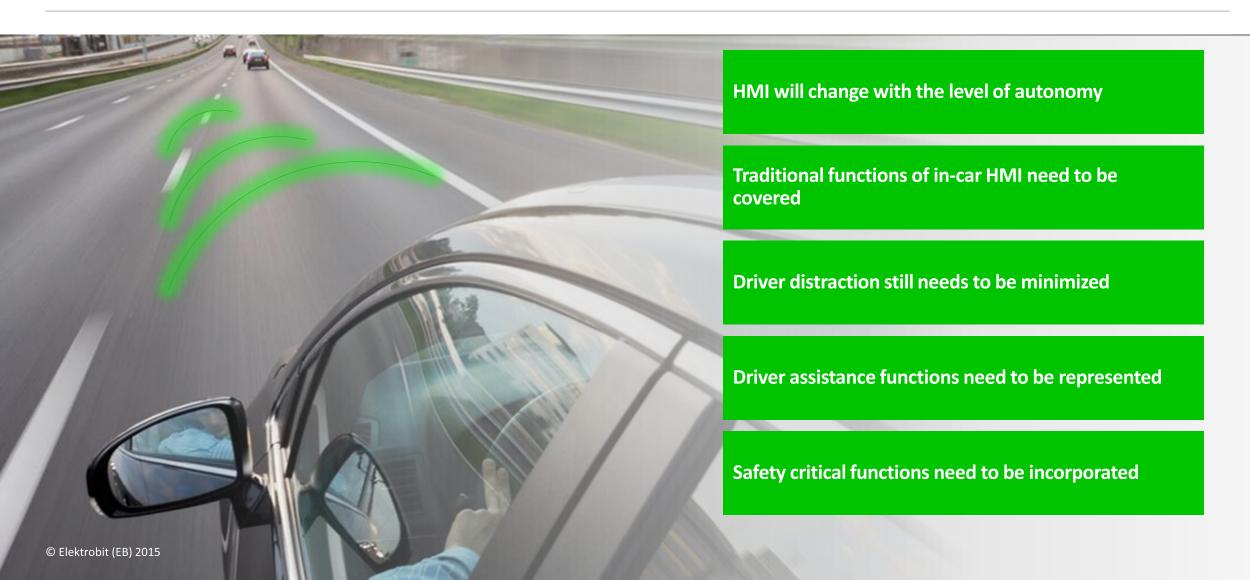






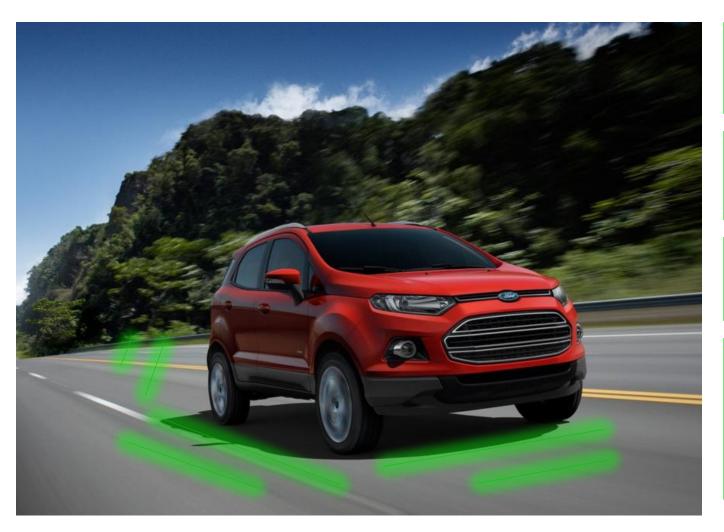


Level of autonomy and evolution of in-car HMI





Visualization of what the car is doing



Visualization can build driver's trust

Visualization of environment model

Display of parameters

Indication of remaining distance and time of self-driving



Make the driver take control

When does the vehicle need interaction from the driver?

Driver reaction time and unexpected situations

Monitoring the driver's state and enforcement

Expected situations

Interaction - driver assistance software and vehicle HMI





Conclusion: The mission of in-car HMI for autonomous vehicles



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Contact us!

