

Communication of Automated Vehicles

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Communicating with other Road Users



› Possible use cases:

Front

- › Communication with pedestrians and cyclists, e.g. at a crosswalk
- › Communication with other cars (warning, information about planned action, etc.)
- › Indication of automated driving cars (front, side, rear)



Side

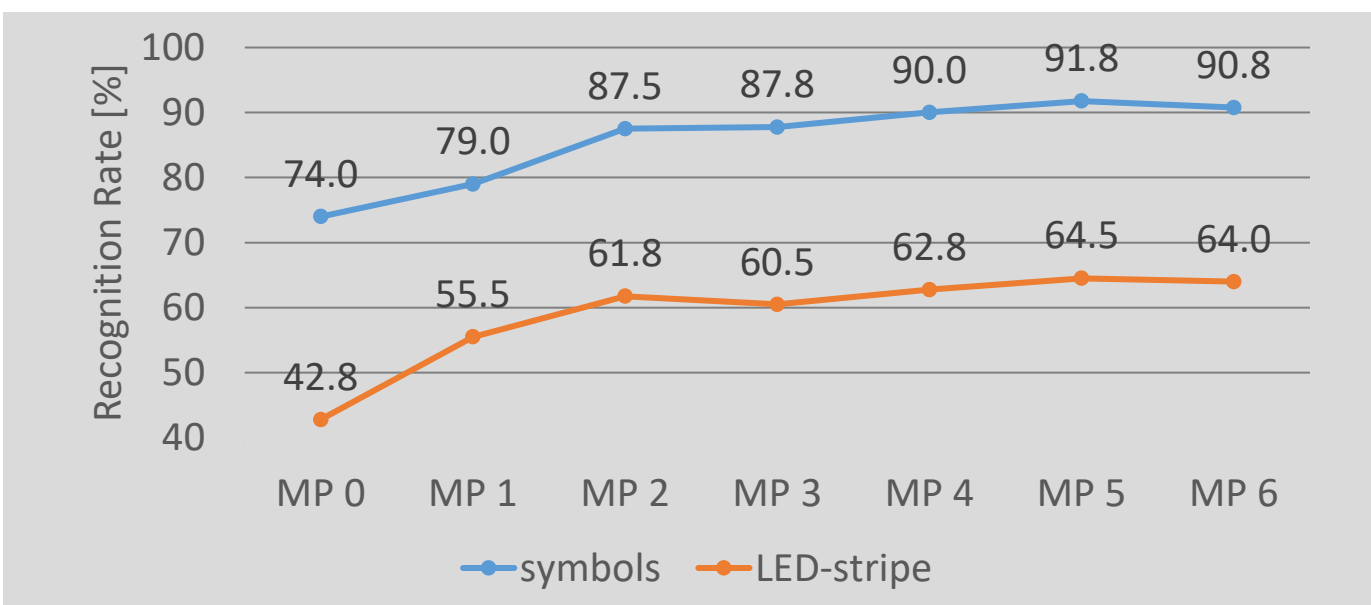
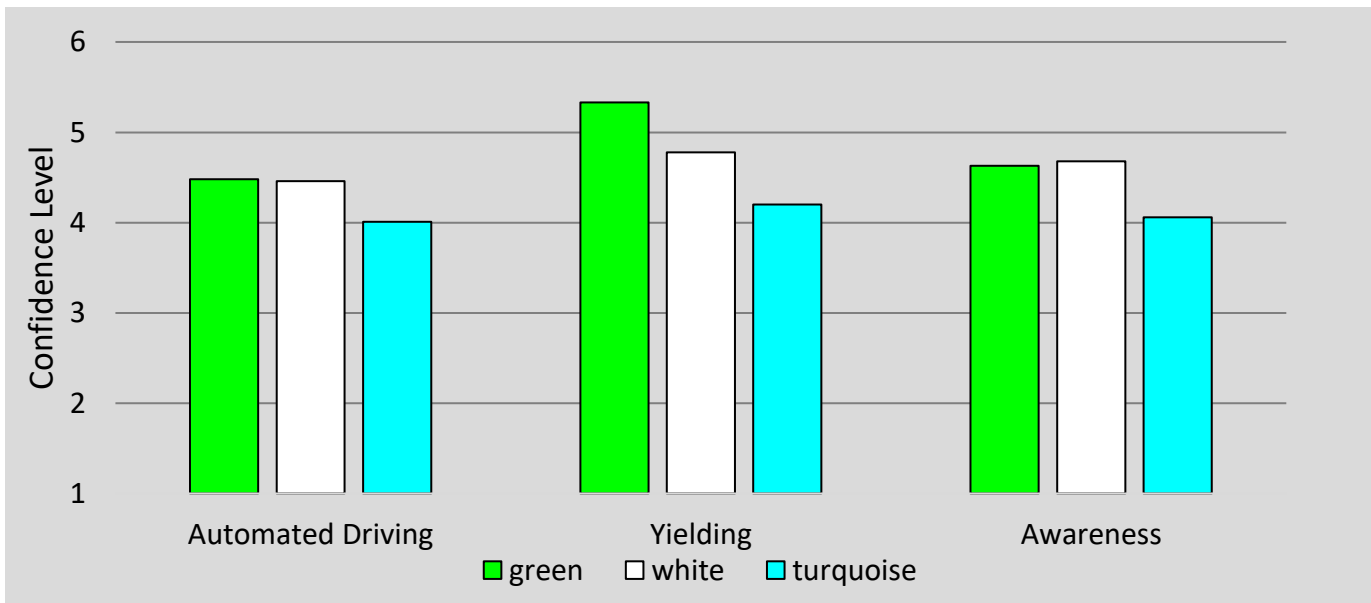
- › Security advantage through higher visibility from the side
 - › Design integration of side markers (not mandatory in Europe)
- › Communication (see front)
- › Display of charging status

Rear

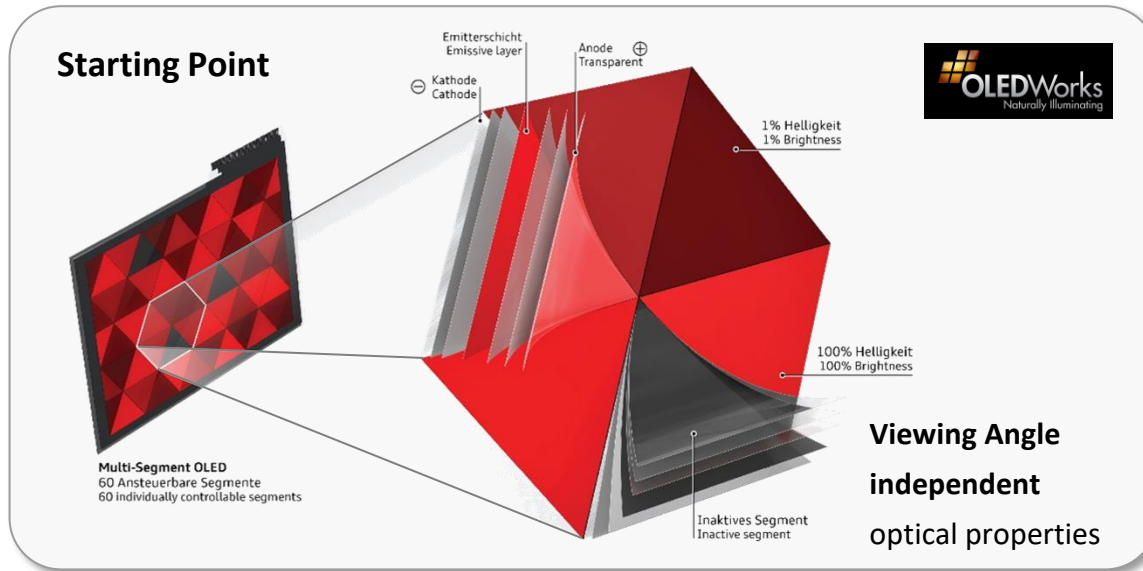
- › Display of symbols for predictive warning of other road users
- › „Social“ function: Providing information to not connected cars (optical C2X: hazard warning, traffic jam, etc.)
- › Styling (front, side, rear)



Intuitivity and Learnability of Signals



Outlook for Future Applications



DIGITAL OLED USP

- ▶ **Multi Segments: >60 individual elements/OLED-tile**



- ▶ **Display like functionalities**
- ▶ **Car2X Communication - highest contrast and precision**



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Thank you!

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