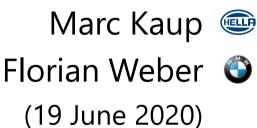


Virtual Final Event

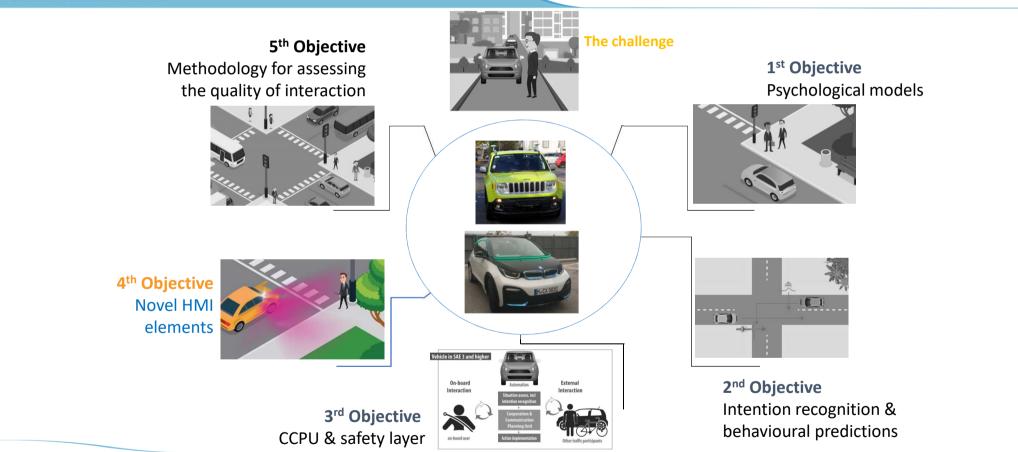
Developing interaction strategies and novel HMI concepts







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Interaction Strategies

Interaction Design

interACT Demonstrator





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Interaction Strategies

Interaction Design

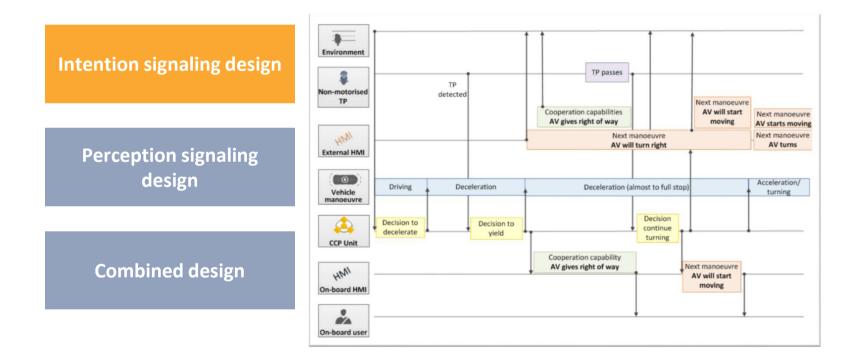
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Interaction strategies derived from observational studies

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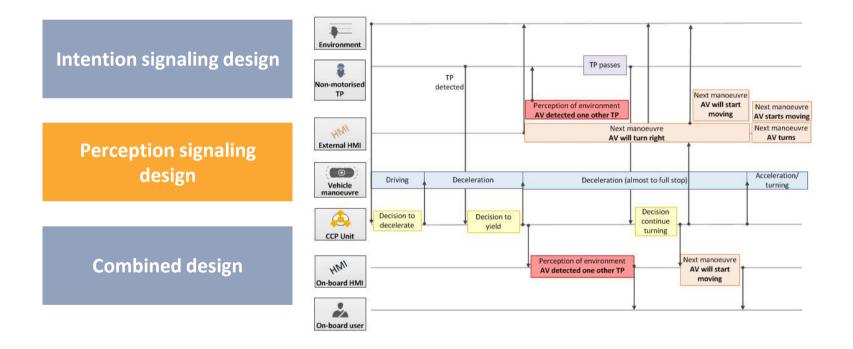






Interaction strategies derived from observational studies

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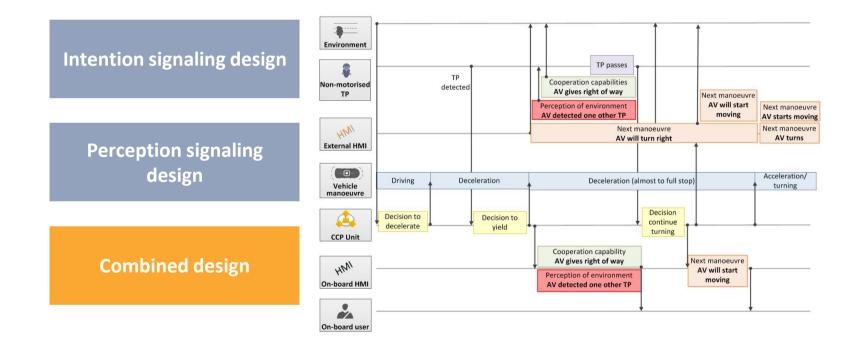






Interaction strategies derived from observational studies

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Interaction Strategies

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Interaction Strategies

Interaction Design

Technology Selection

Signal Design

InterACT Demonstrator





Interaction design display technology selection

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Criteria catalogue (shortened version)					
Visibility in different light conditions					
Visibility at different speeds Potential to cover 360° Full vehicle integrability					
Potential to display different signals Dependency from language skills Accessibility					
Compatibility with existing eHMI Compatibility with existing eHMI					
Potential for universal cultural understanding					
Technologies & potential signals (shortened version)					
Technologies & potential signals (shortened version) Lightband					
Lightband					
Lightband LED Matrix projection Displays Signal lamps					

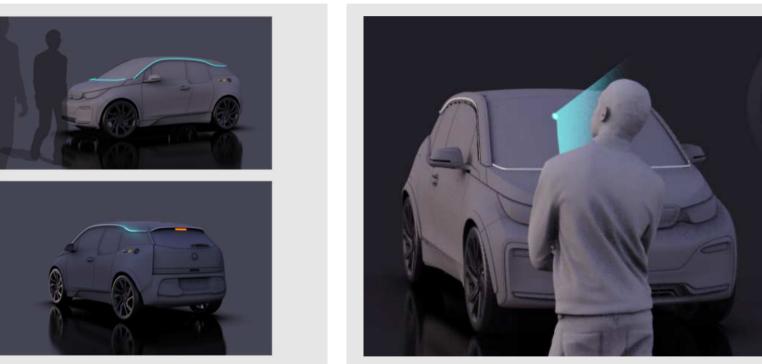




Interaction design selected external display technologies

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eHMI 1: 360° Light Band



eHMI 2: Directed Signal Lamp

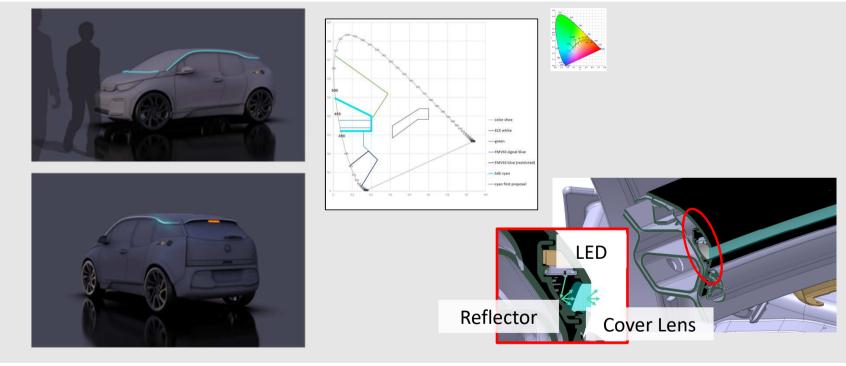




Interaction design selected external display technologies

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eHMI 1: 360° Light Band



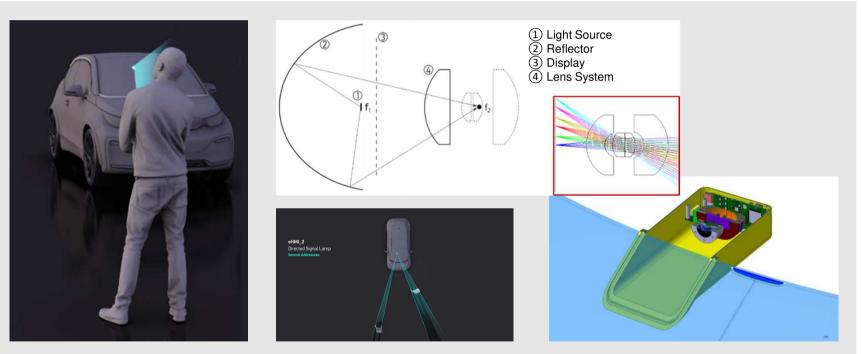




Interaction design selected external display technologies

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eHMI 2: Directed Signal Lamp

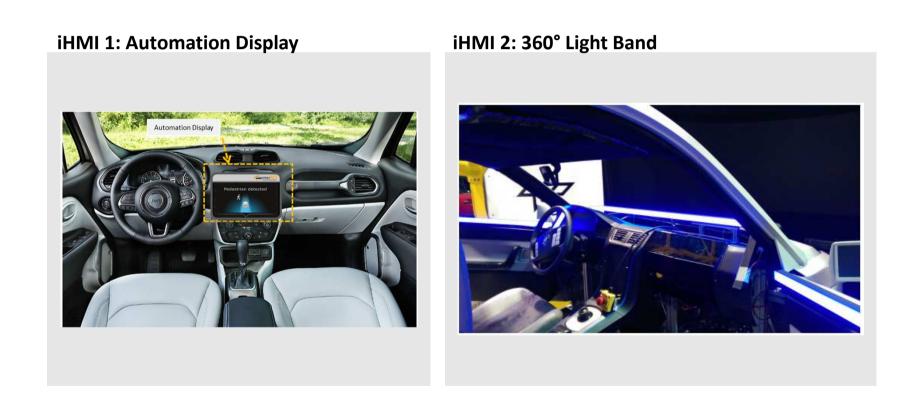






Interaction design selected internal display technologies

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Intera	ction	Stra	regies

Interaction Design

Technology Selection

Signal Design

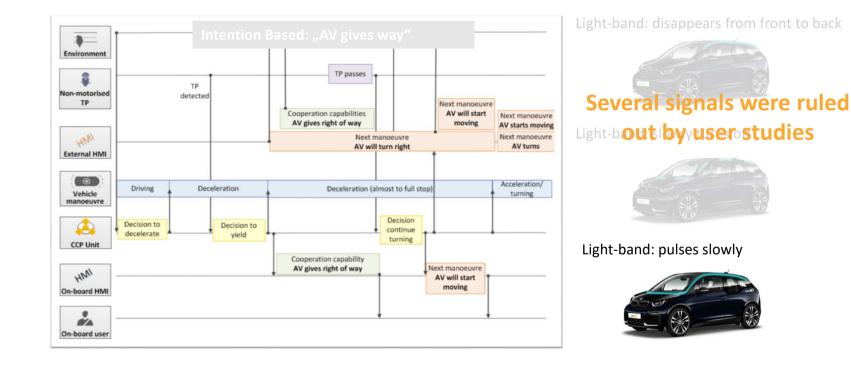
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Interaction design eHMI signals

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Interaction design selection of eHMI designs



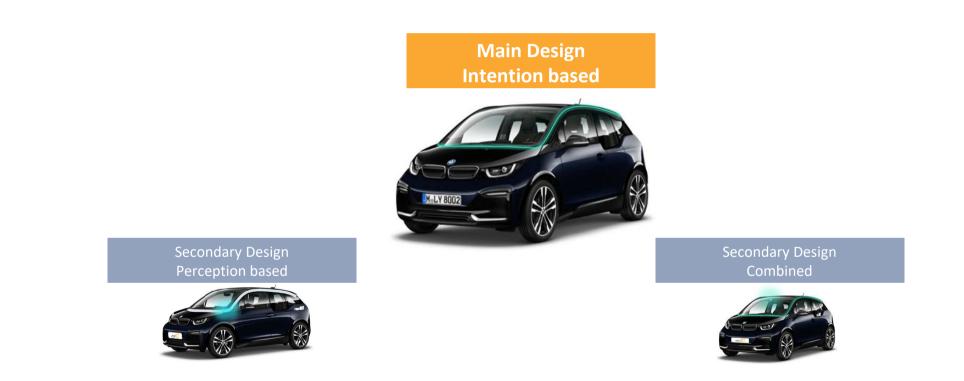




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Interaction design selection of eHMI designs

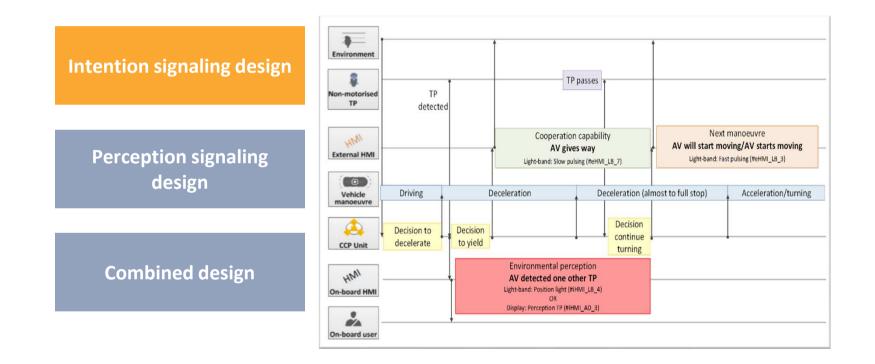






Interaction Design Flowcharts

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Interaction Strategies

Interaction Design

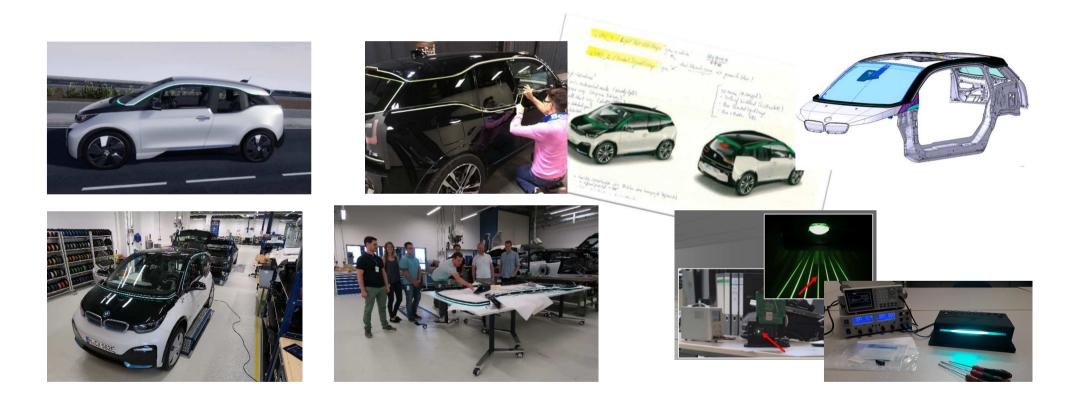
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interACT demonstrator development and integration

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interACT demonstrator development and integration

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Developing interaction strategies and novel HMI concepts – "Take-Aways"

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2 Interaction Strategies – intention based & perception based

2 eHMI technologies – 360° Light Band & Directed Signal Lamp

2 iHMI technologies – Automation Display & 360° Light Band

2 interACT Demonstrator vehicles equipped with HMI

