



Strategical and Tactical Aspects of Behavior Planning for Automated Driving on Highways

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Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Agenda



Motivation and Use Cases



General framework and architecture



Behavior planning model



Conclusion



Agenda



Motivation and Use Cases



General framework and architecture



Behavior planning model



Conclusion



Motivation and Use Cases



working

Comfort

freetime

reading

collision avoidance

Safety

environment monitoring

fuel consumption

Efficiency

traffic coordination

Motivation and Use Cases

Accessing Highway



Highway Junctions



Exiting Highway



Road Works



Special incidents



Normal Driving



Motivation and Use Cases

Accessing Highway



Highway Junctions



Exiting Highway



Road Works



Special incidents



Normal Driving



Agenda



Motivation and Use Cases



**General framework and
architecture**



Behavior planning model

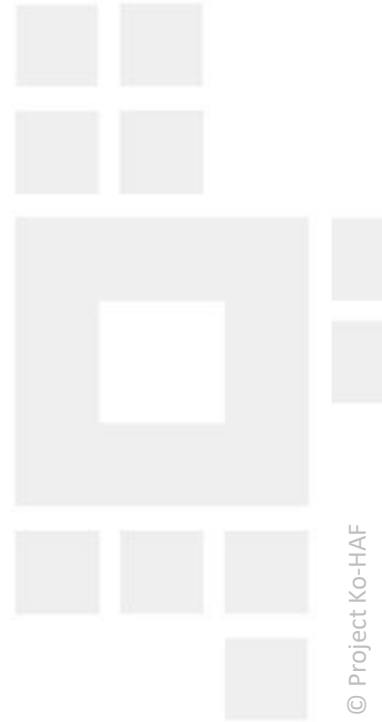


Conclusion



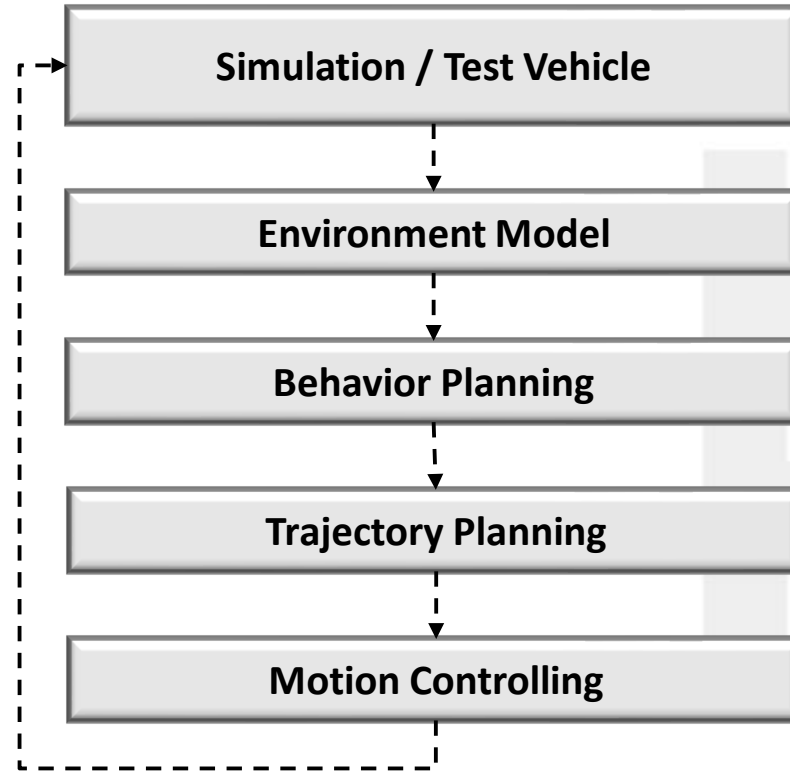
General framework and architecture

Automated Driving Architecture



General framework and architecture

Automated Driving Architecture



Agenda



Motivation and Use Cases



General framework and architecture



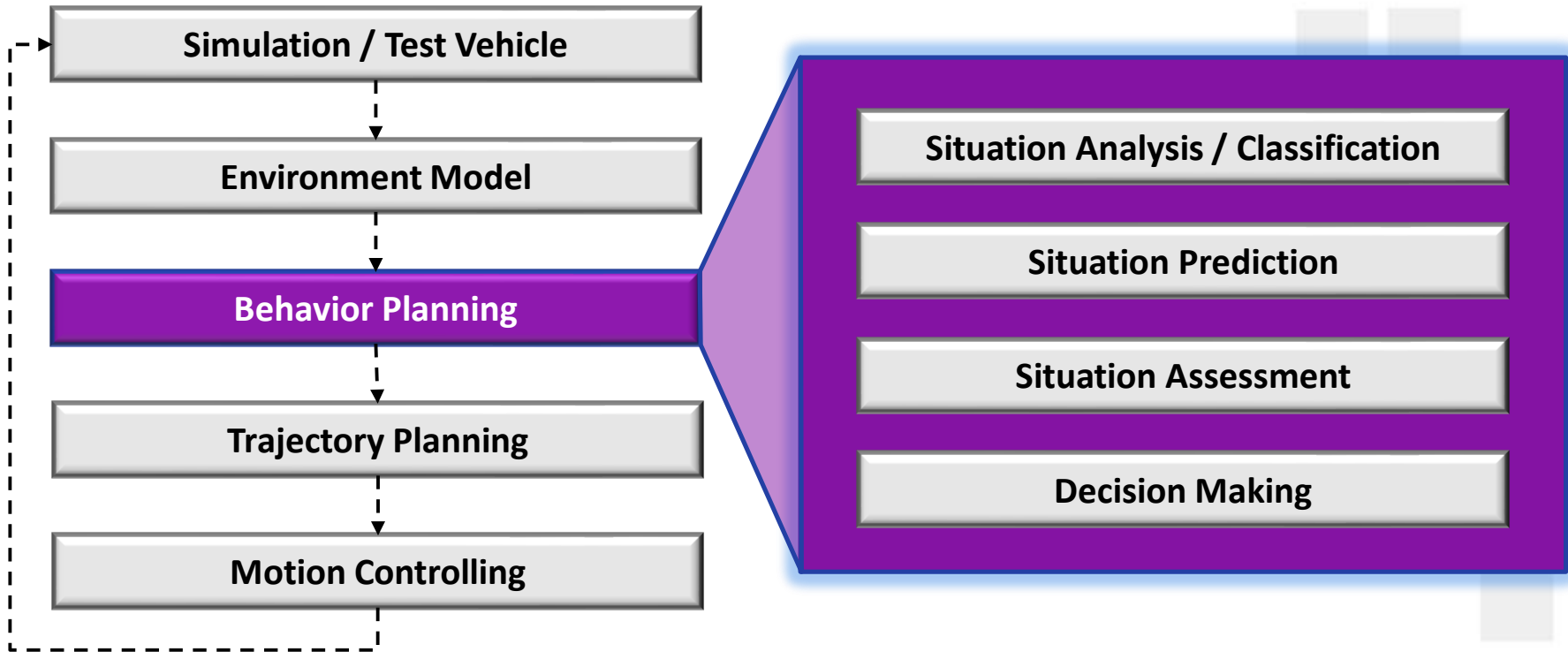
Behavior planning model



Conclusion



Behavior planning model



Behavior planning model

Situation Analysis / Classification

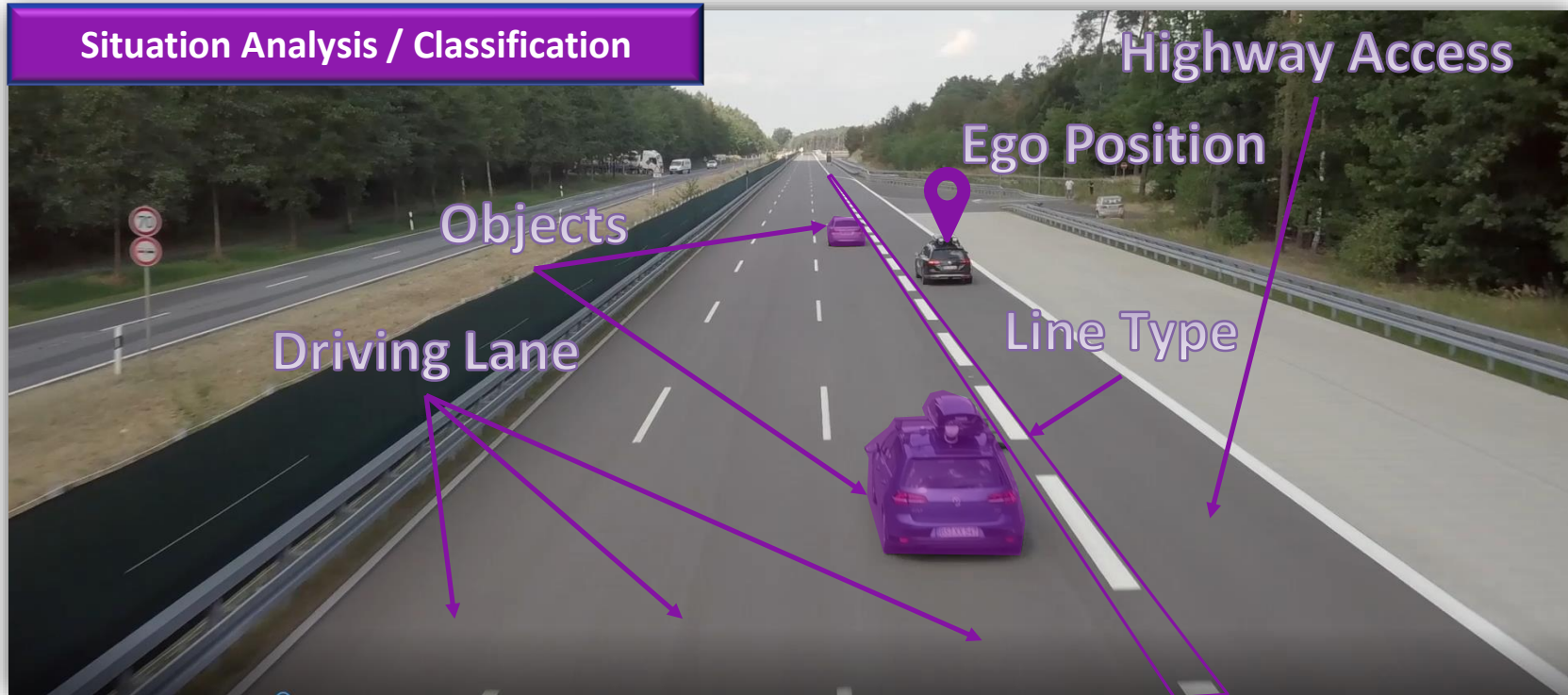
Situation Prediction

Situation Assessment

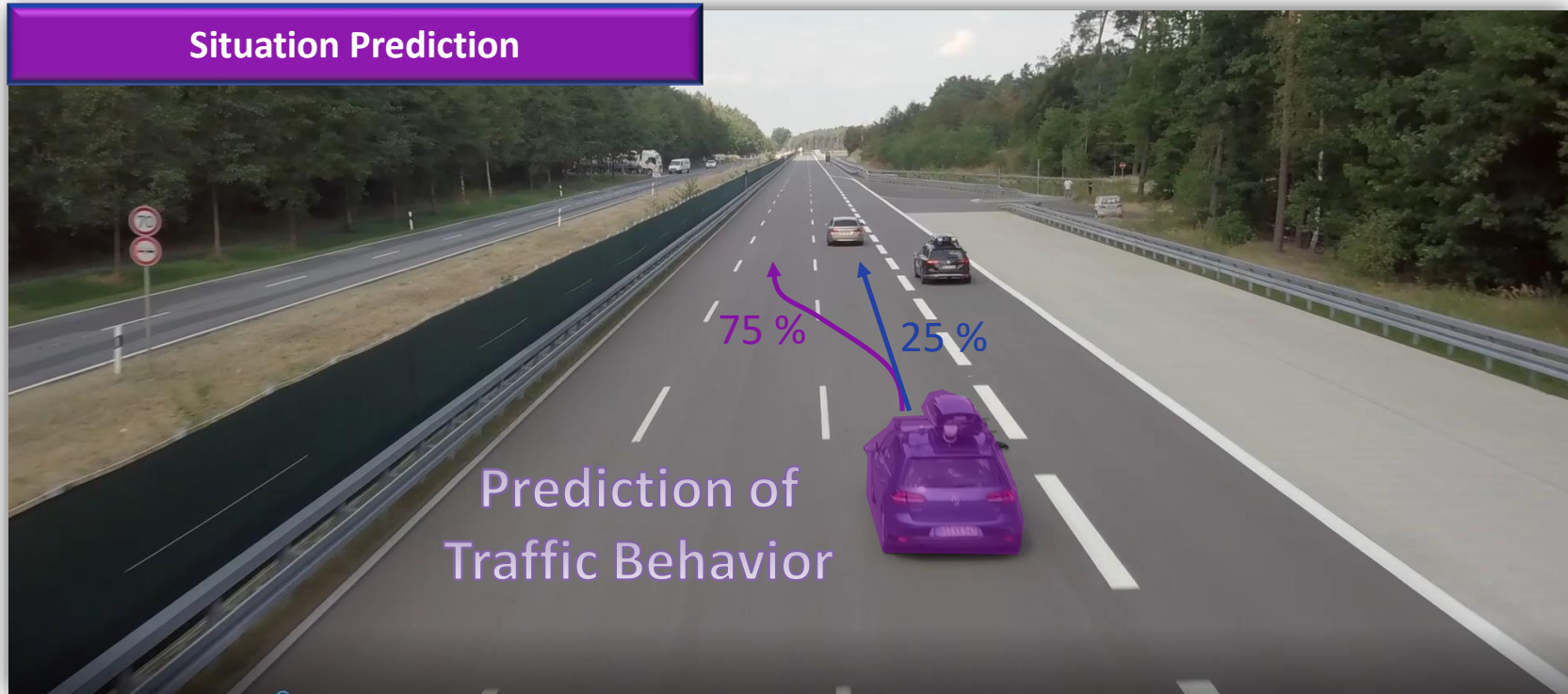
Decision Making



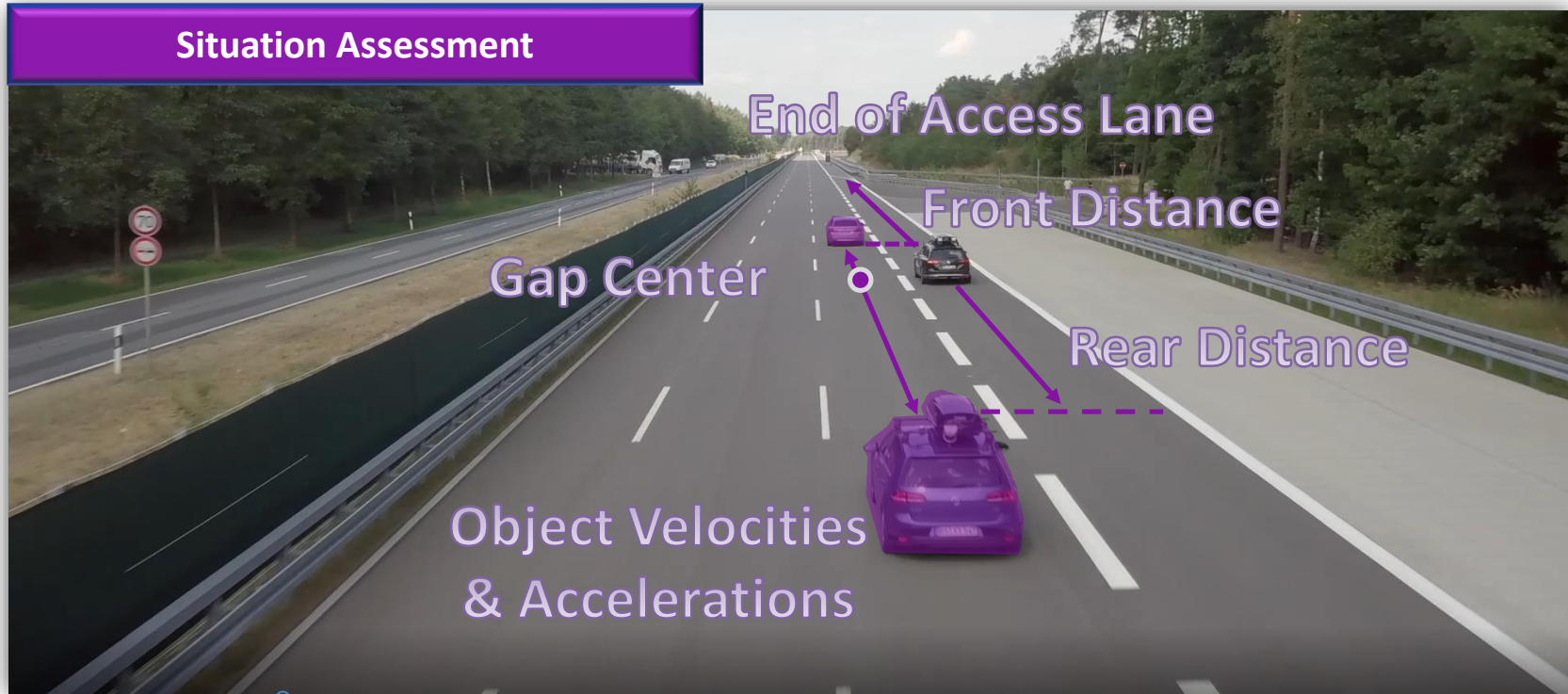
Behavior planning model



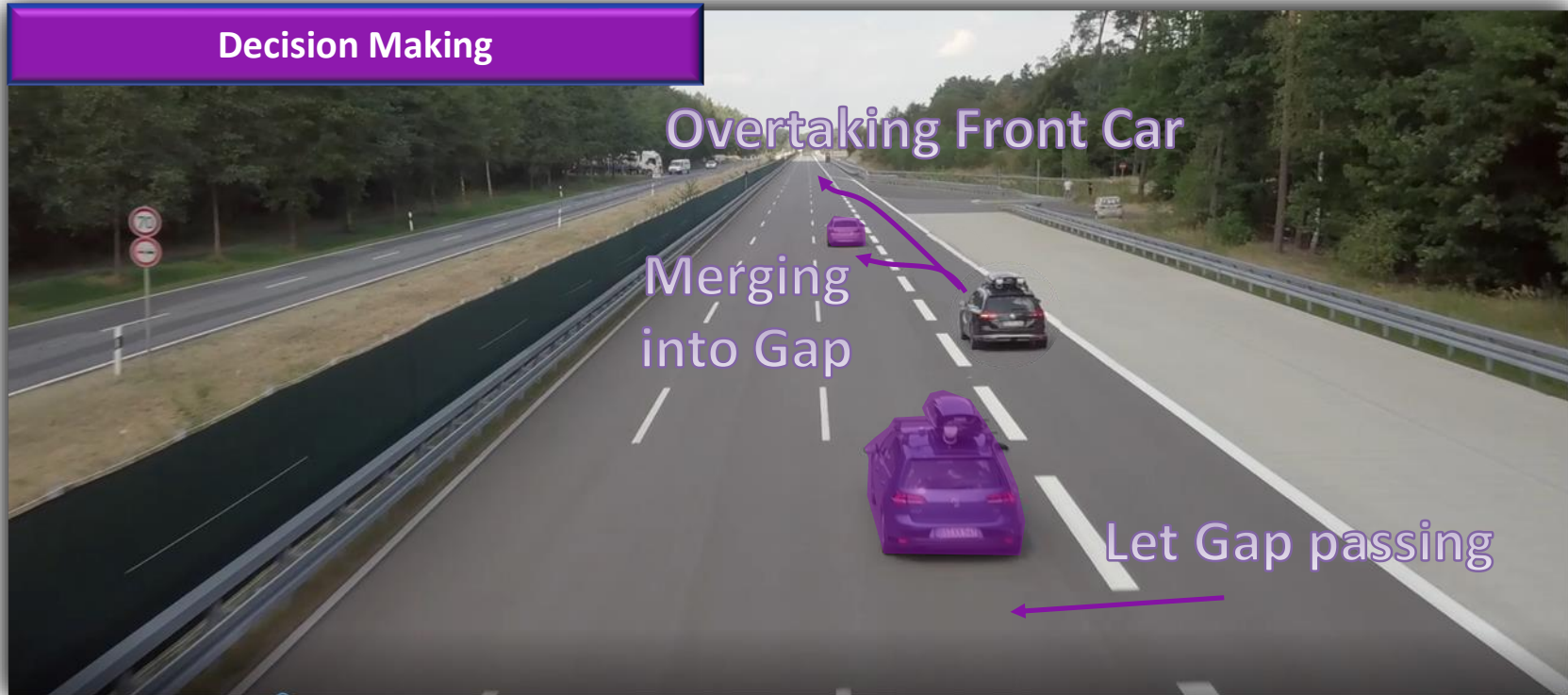
Behavior planning model



Behavior planning model



Behavior planning model



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General framework and architecture



Behavior planning model



Conclusion





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