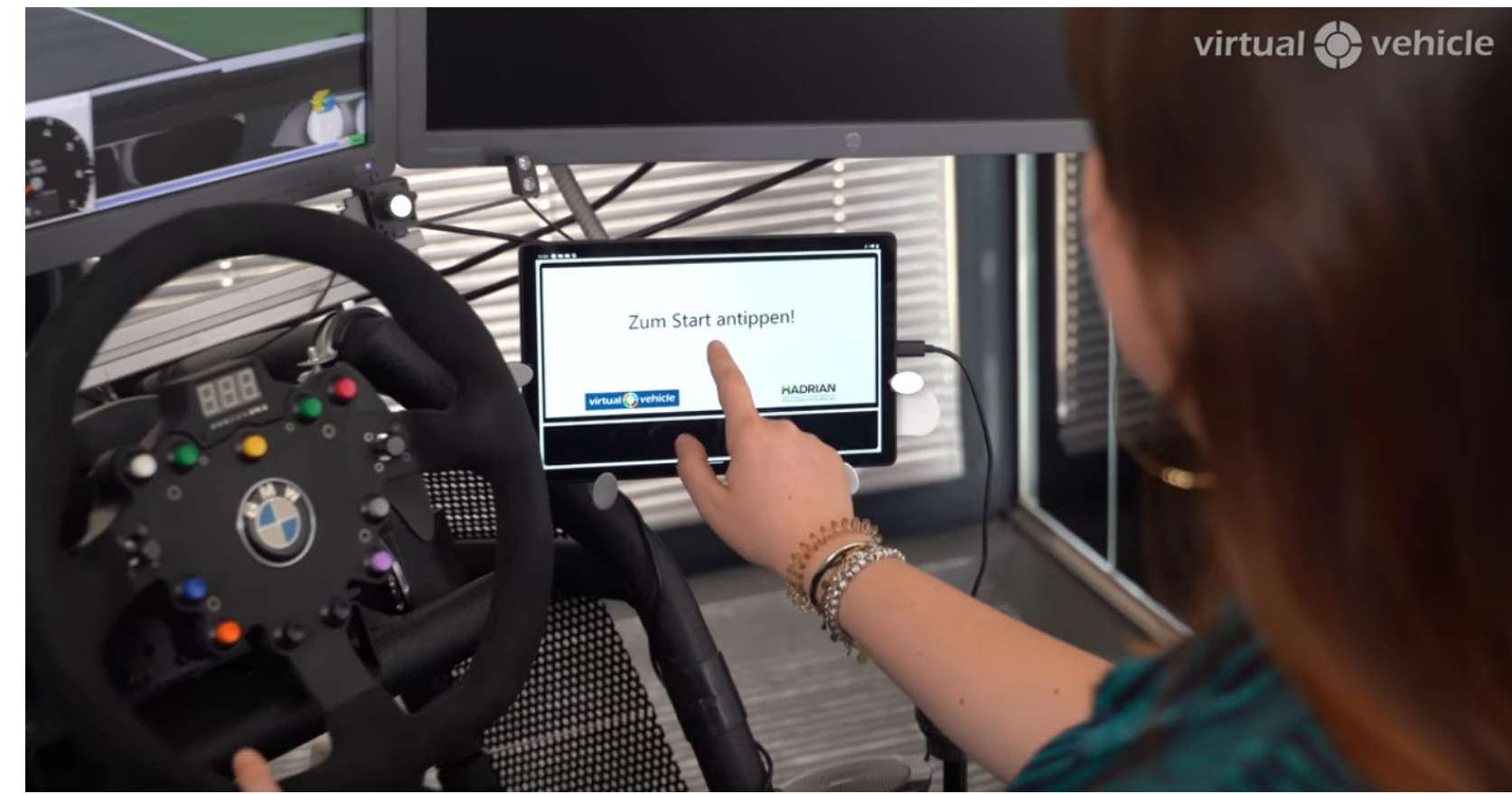


# Driver Tutoring and Predictability Information

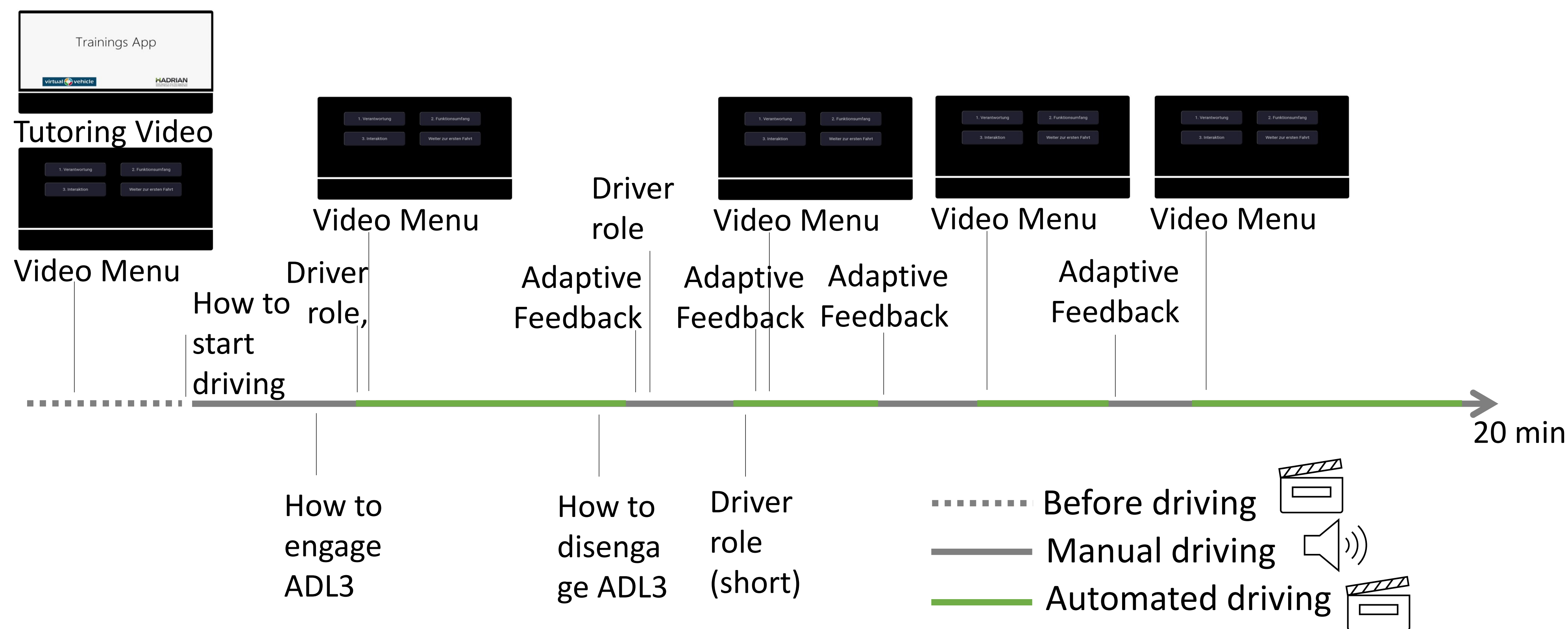
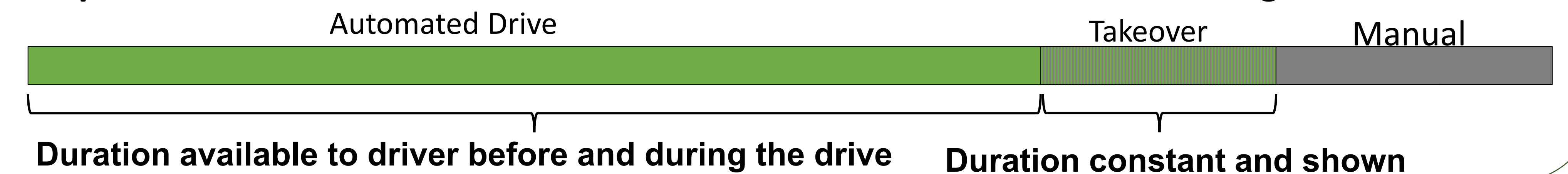


Driver tutoring aims at improving drivers' understanding of the driving automation and their behaviour while taking over manual control after driving automated.

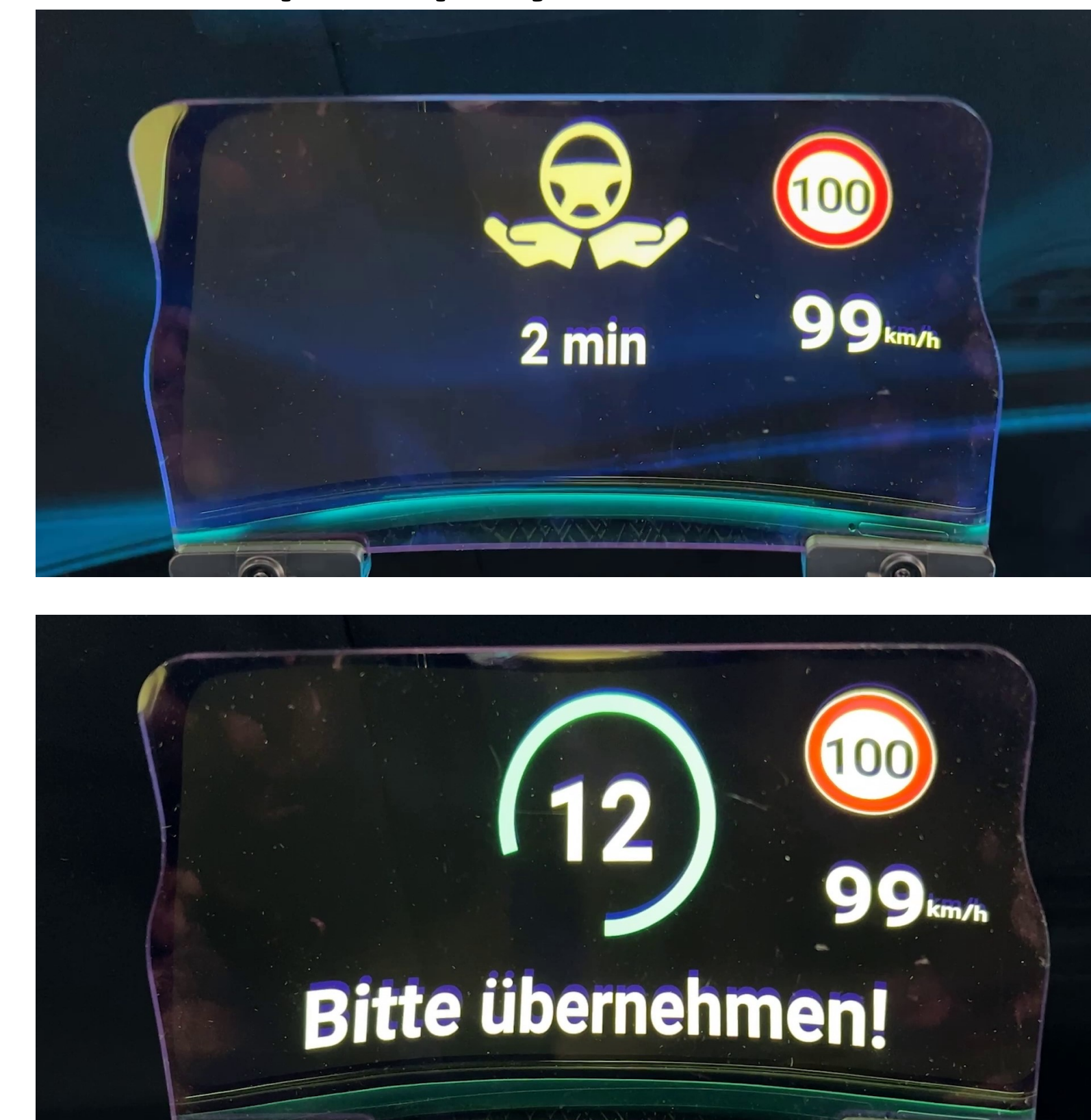
HADRIAN tutoring combines pre-drive videos, context-sensitive auditive explanations while driving and adaptive feedback for take-over performance.

Making the automated drive duration AND transition duration predictable to the drivers is intended to

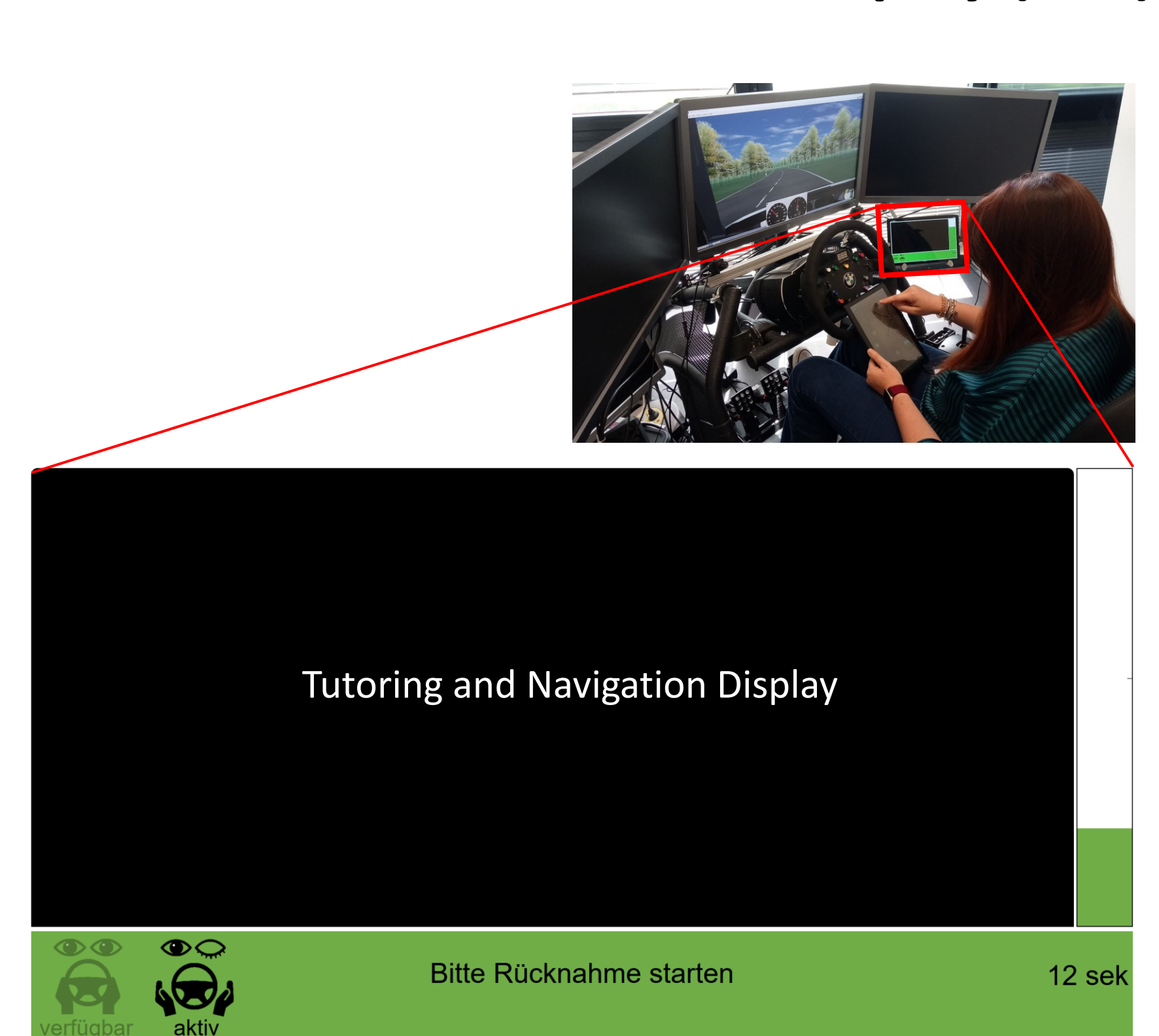
- allow drivers to more comfortably perform non-driving related activities while driving conditionally automated and
- improve the transition of control from automated back to manual driving.



## Head-Up-Display



## Automation Information Display (AID)



### HADRIAN tutoring improves...

- Drivers' understanding of the driving automation and on how to use it
  - Drivers' attention allocation while taking manual control
- ...however, it did not change drivers' take-over time.
- All drivers that experienced the tutoring stated that they would like to use the support when driving in a real automated vehicle.

### Our research shows that...

- Participants found predictivity information of automated driving time useful
  - Drivers with predictability information had safer gaze allocation while taking manual control
- Displaying predictability information can help drivers to take-over manual control more safely.

