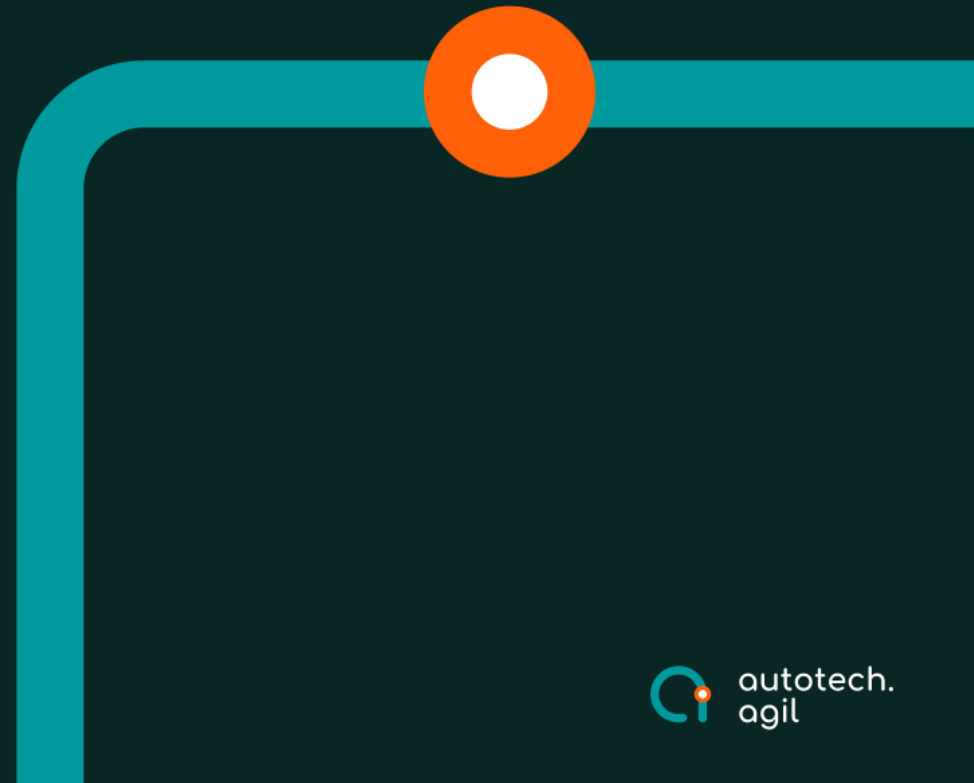


Giulia Jäkel

ZF Friedrichshafen AG

Innovative Use Cases



Innovative Use Cases



With funding from the:



autoSHUTTLE

Level 4 Autonomous Vehicle
No Safety Driver

Send data to cloud backend to improve ML components and their testing

Trigger data recording based on monitoring events

Over-the-Air-Update to always ensure a feeling of safety for the passengers

With funding from the:



Federal Ministry
of Research, Technology
and Space

Parcel handover



autotech.
agil



Guardian Angel
Protection for
Vulnerable Road Users




Eco Functions
Ecological Route
Planning and Execution



Vehicle Domains

Navigation







ADAS



Vehicle Drivetrain



Eco Functions

- Eco Routing Addon 
- Predictive Eco Route
- EcoControl ACC Addon 
- Predictive Eco Horizon
- University of Stuttgart Germany  
Sustainable Power Electronics



Ecomobility Web UI

Web demo for the EcoRouting application

Choose a vehicle

Passcar EV



Passcar EV

Electric SUV

30 kWh per 100 km

Default optimization reference: Fastest Route

Choose Optimization Targets:

Algorithms

Choose Driving Mode

Ecological

Start: ZF / FEZ TOR 8, Äußere Ailinger Str. 20, 88046 Friedrichshafen



Enter an address

Remove

Finish: Markdorf, Germany



Enter an address

Remove

Add waypoint

Calculate route



E-Rex Mode

No options to select.


Send to vehicle

Route Planner Configuration



Vehicle Domains

Navigation







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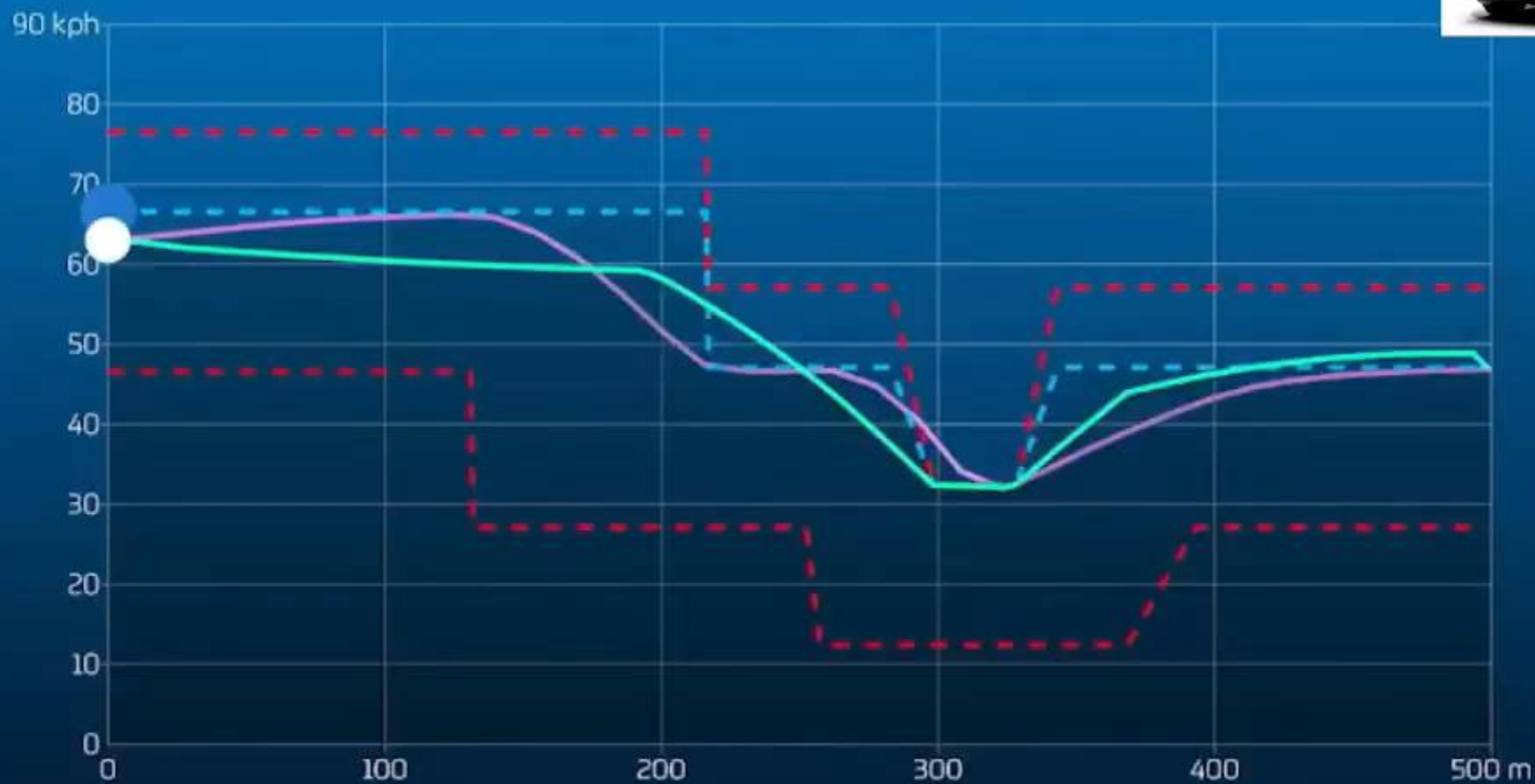


Eco Control active

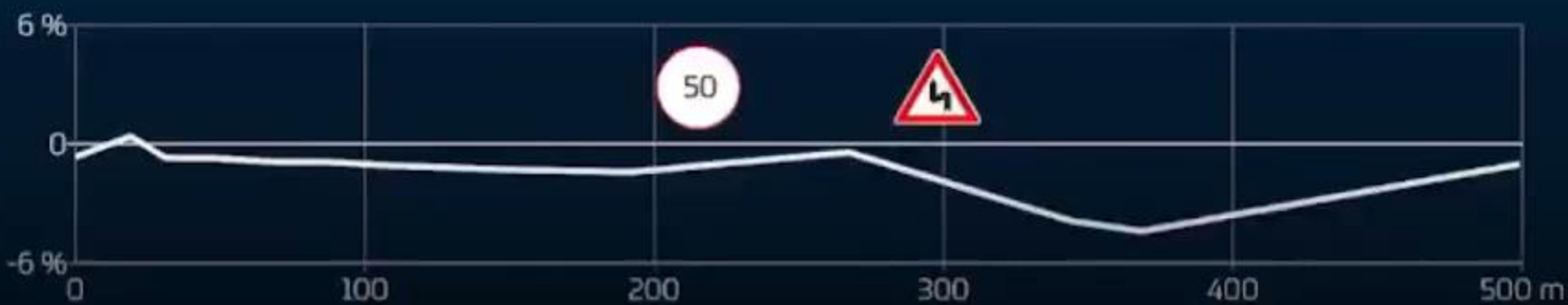
Active

Eco Control mode

ECO STANDARD




- Vehicle Speed
- EcoControl
- Standard ACC
- ACC Set Speed
- MPC Set Speed
- Thresholds



- Road Profile
- 🚗 Leading Vehicle

Vehicle Domains

Navigation







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