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«Project of infrastructure optimization

of Brussels Capital Region»

SCI-TECH CHALLENGE

Part 1 - Drone infrastructure

Over 5000 drones + 10 stations

Approx. 2000 € per drone

1 drone can easily replace 4 carriers

Graphene batteries for extra work time

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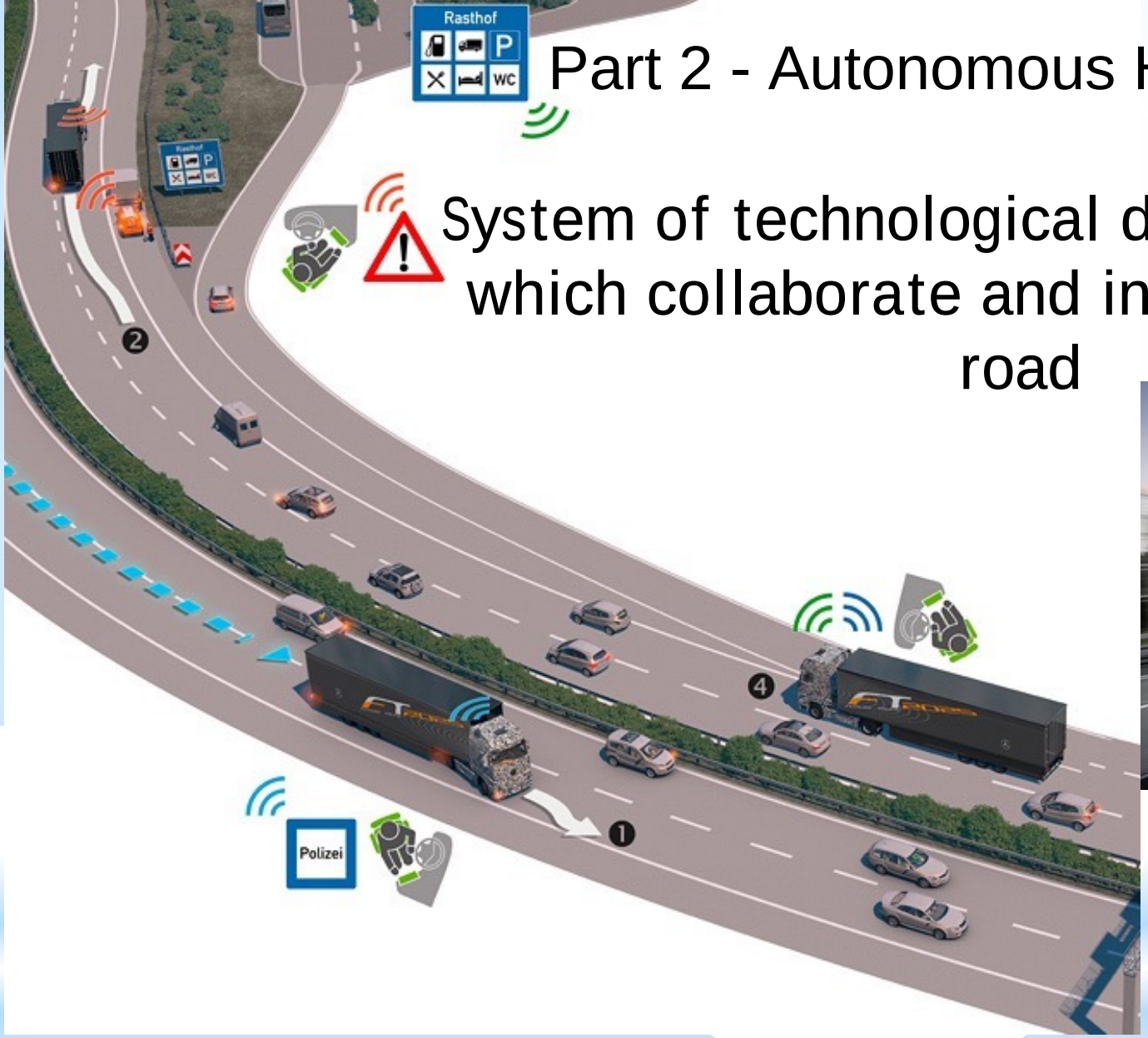
Part 2 - Autonomous Heavy-Duty Vehicles



System of technological driver-less trucks which collaborate and interact with the road

Mercedes-Benz FutureTruck 2025

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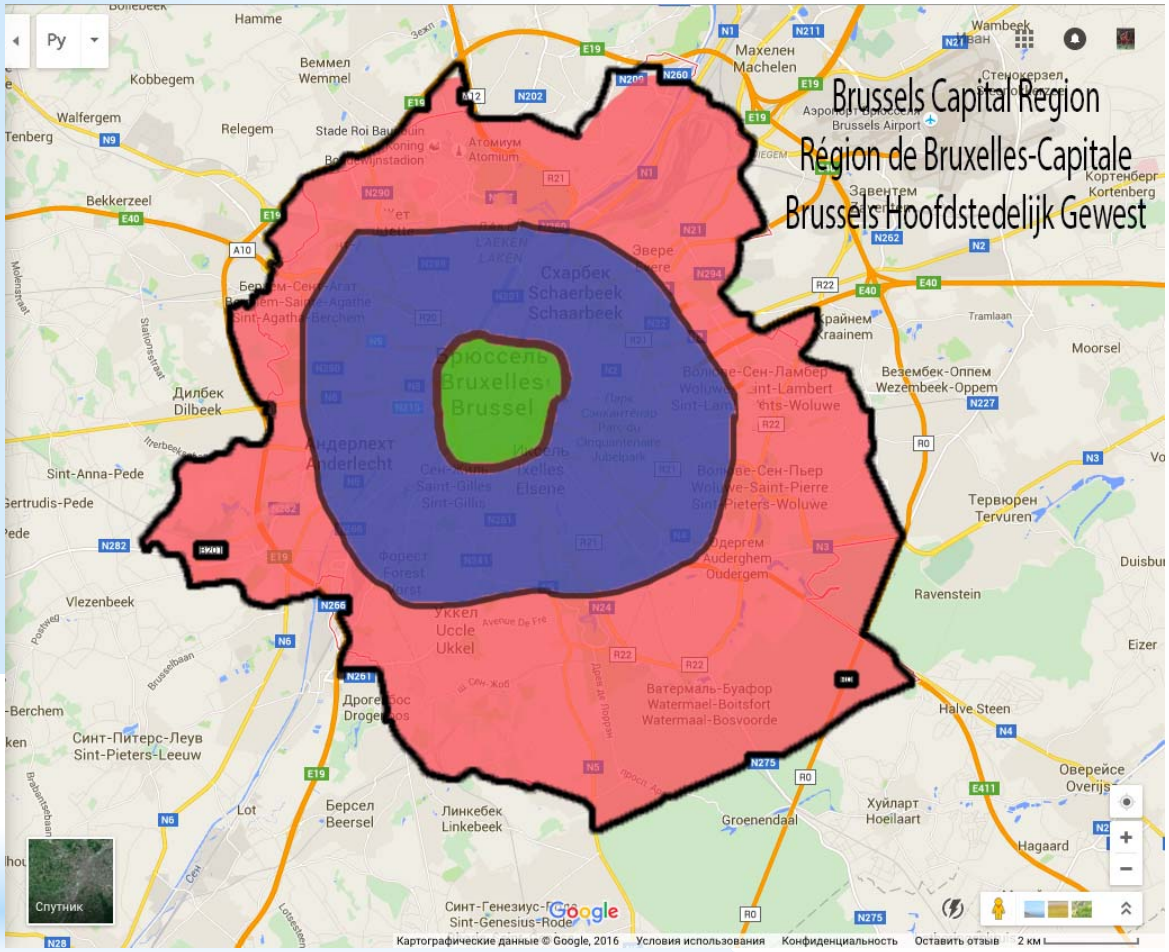
Part 3 - Zone System



Inner zone - pedestrian and bikes/gyroscooters only zone

Middle zone - public transport / private cars for extra fee zone

Outer zone - all means of transport entering the city for fee

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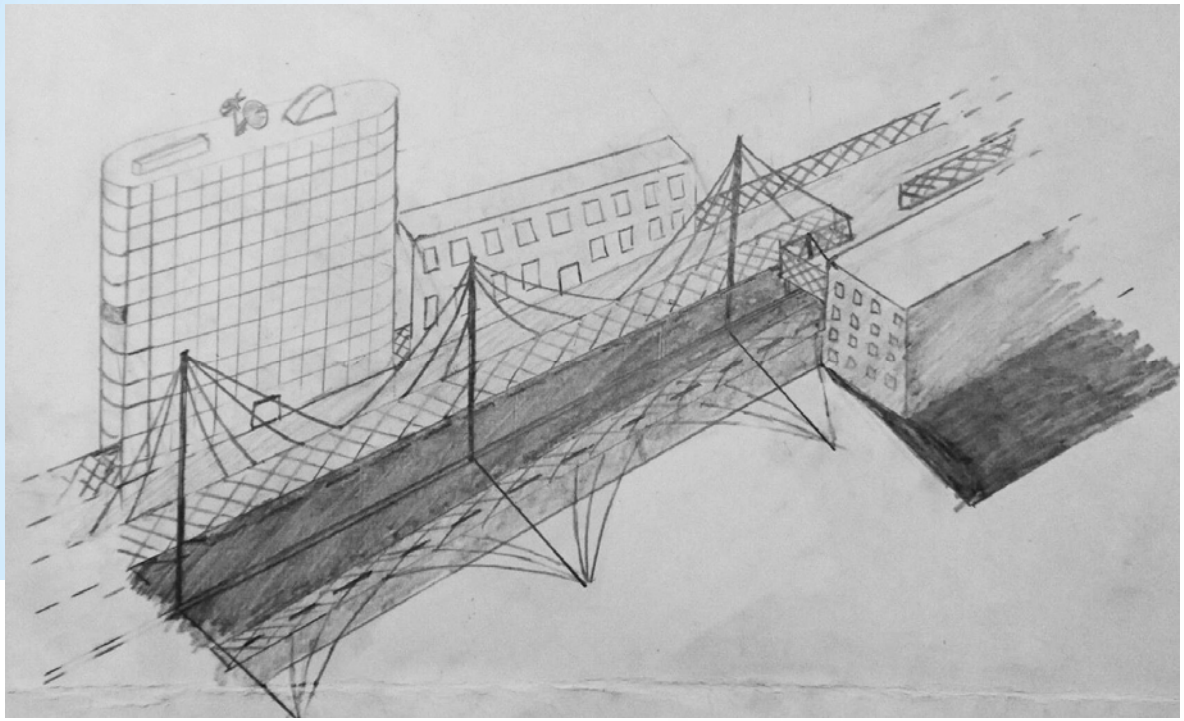
Part 4 - Pedestrian upper level pavement network



Situated 8 meters above the ground level

The floor is made of plexiglass

Covers 180 km of roads around the city

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Economical benefits and summary

After completing the integration :

Drones give a profit of approx. 38 000 000 € annually

Truck system helps to save 2 000 000 € per month

Pavement system reduces the traffic by 40 %

The whole system will pay off in 7 years

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