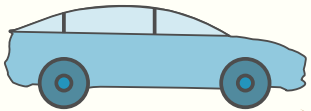
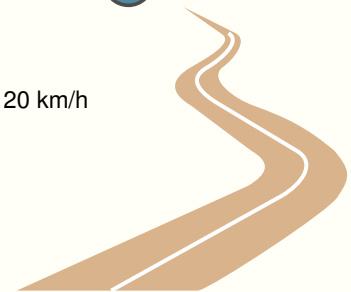
Why latency matters?

Obstacle ahead

Driving Simulator

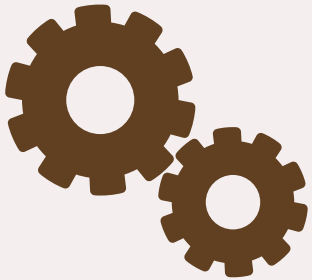


120 km/h



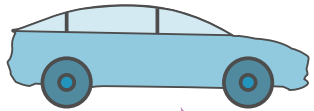
Vehicle Dynamics

XYZ Simulator
(e.g. GNSS)

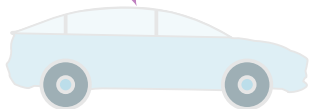


Latency = 100 ms

Where were you in
a real life scenario?



Uncertainty = 3.33 m



120 km/h = 3.33 m/s
1 s: 33.33 m
1 ms: 0.033 m

100 ms: 3.33 m

Avoid Collision