

Autonomous Driving- Invented for life in Budapest



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Safety First



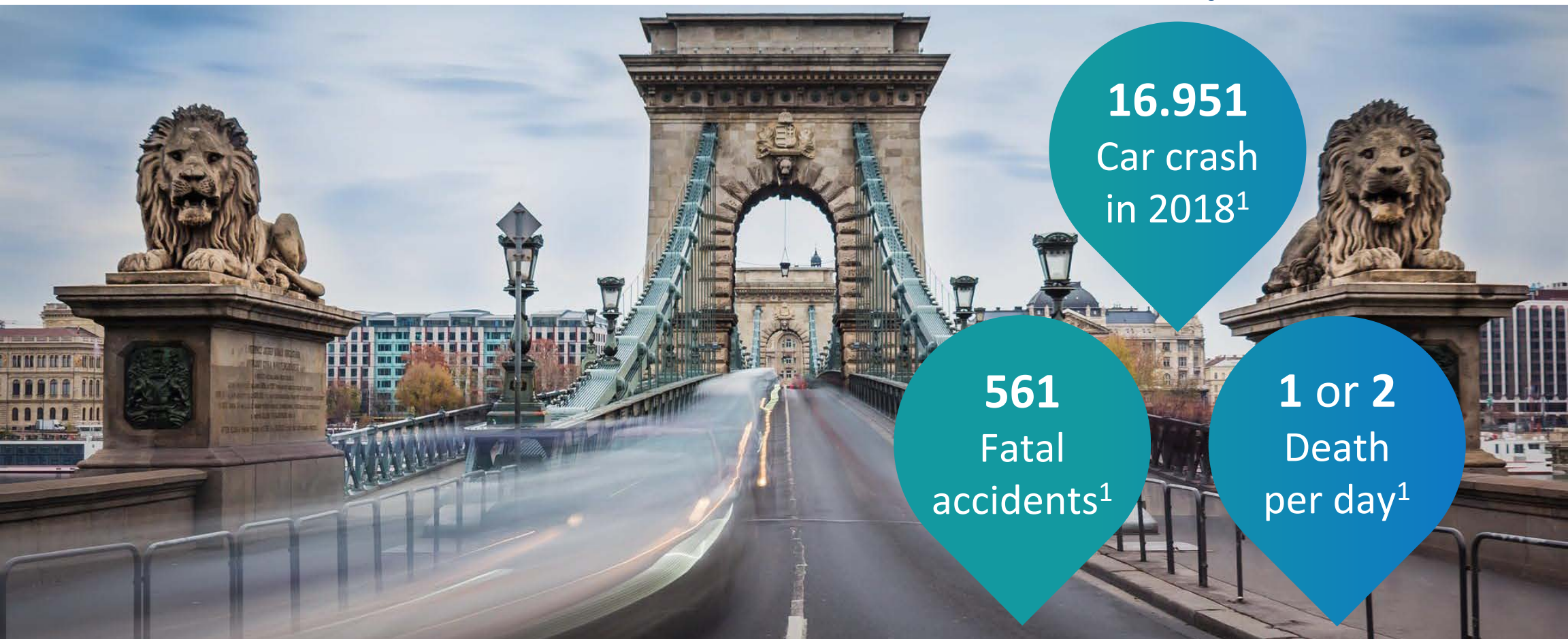
How many accidents happen a year?

9,7 million inhabitants¹



Car accident statistics

¹ Hungarian Central Statistical Office data of 2018




16.951
Car crash
in 2018¹

561
Fatal
accidents¹

1 or 2
Death
per day¹



A photograph of a baby sitting in a car seat, looking out the window. The baby is wearing a white headband with a bow and a white shirt with a polka dot pattern. The car seat is dark green and grey. The background is a blurred view of trees and a road, suggesting the car is moving. A blue circular graphic is overlaid on the left side of the image, containing white text.

The better we can
predict the
'possible future'
ahead of us, the
safer the journey
is

The key for this trust is prediction

Prediction today

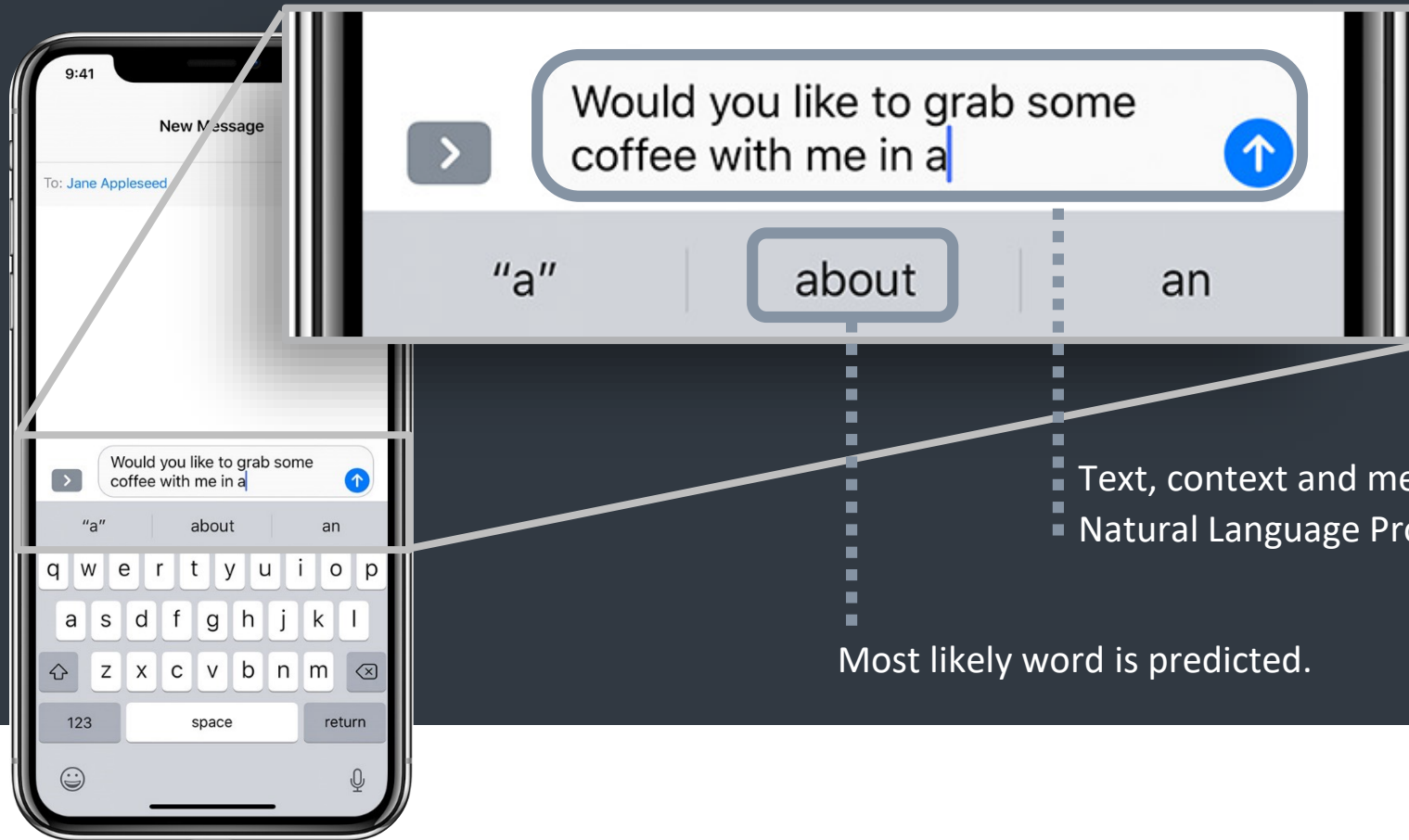
- what cars already can do



The future challenge is how to extract sufficient semantic information based on the video camera

Prediction today

- what other industries do



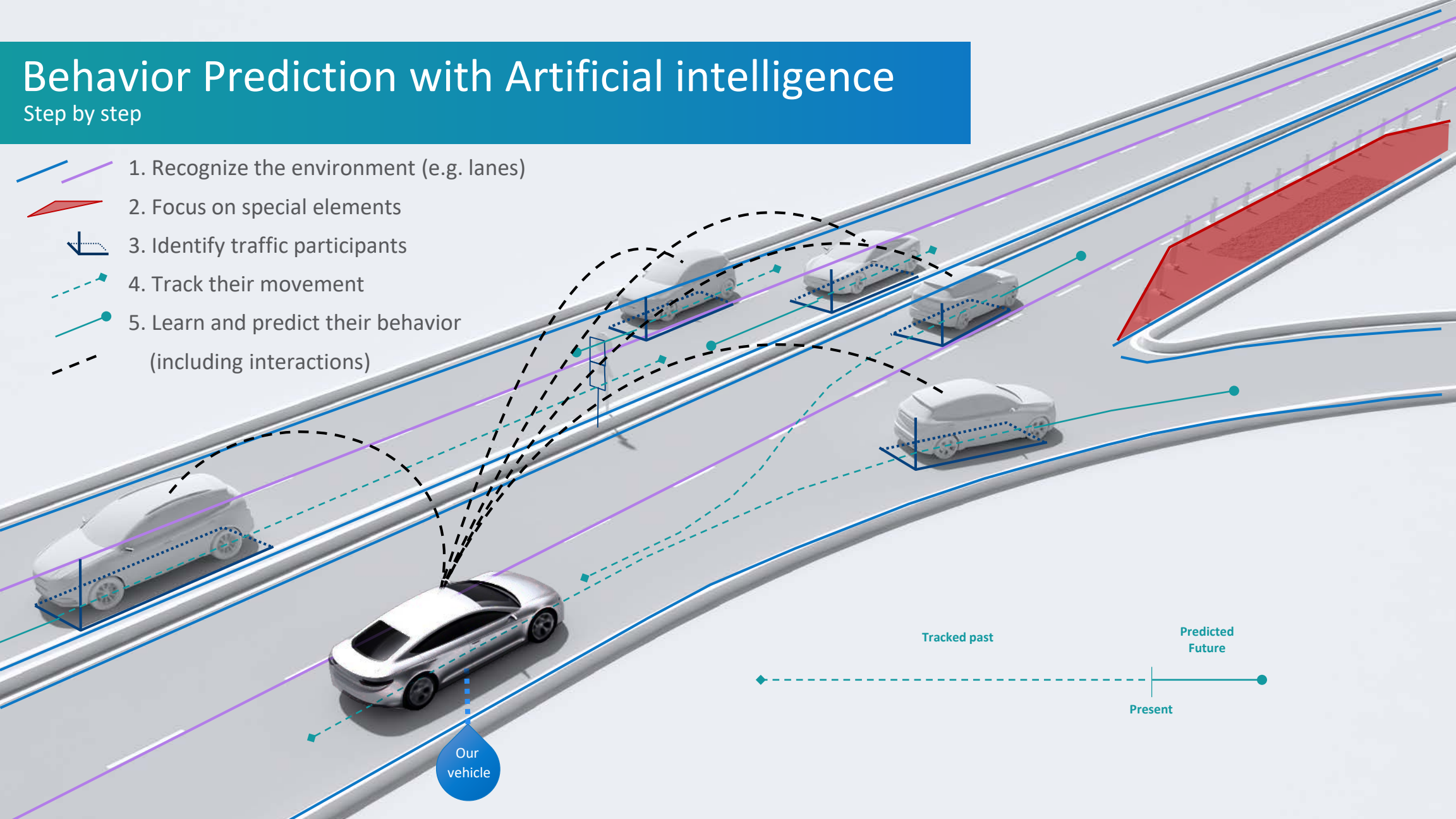
Text, context and meaning is analyzed with
Natural Language Processing (NLP) techniques.

Most likely word is predicted.

Behavior Prediction with Artificial intelligence

Step by step

- 1. Recognize the environment (e.g. lanes)
- 2. Focus on special elements
- 3. Identify traffic participants
- 4. Track their movement
- 5. Learn and predict their behavior
(including interactions)



Behavior Prediction with Artificial intelligence

Step by step

>90%

Prediction
Accuracy

~4-6s
Prediction

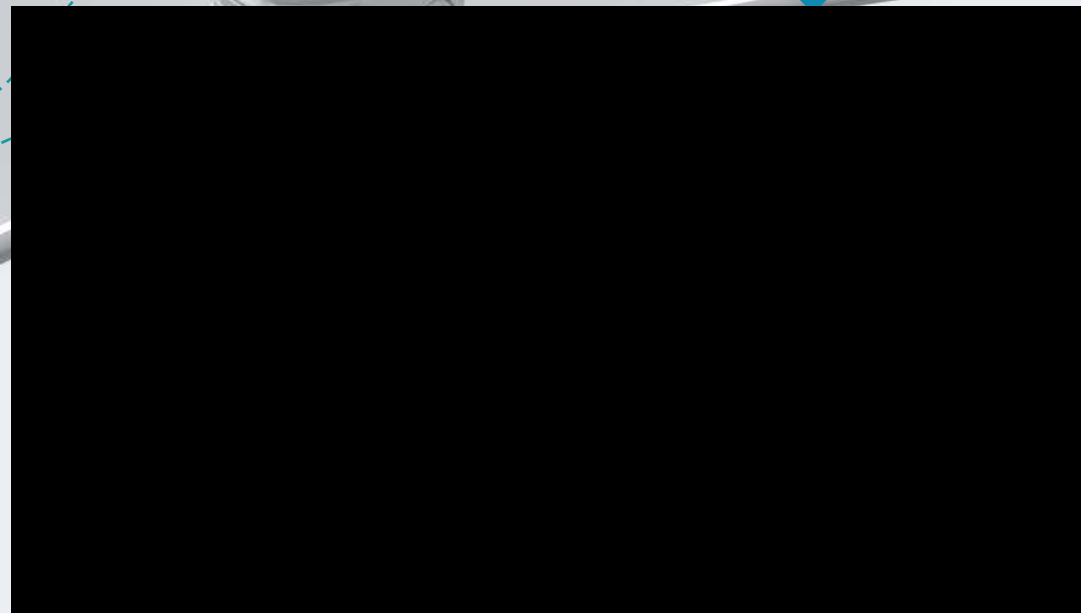


Our algorithm
predicts the future
by learning current
human behaviors
and interactions.

Our
vehicle



Neural Network



Thank you for your attention!

