



Ottimizzazione in tempo reale
dei consumi dei veicoli
heavy/light duty



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FREIGHT COSTS

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Fuel consumption/day

3,000,000 barrels

\$ 240 M

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3,000,000 barrels

\$ 240 M

CO2 reduction cost

1,8 B tons

\$ 70/ton

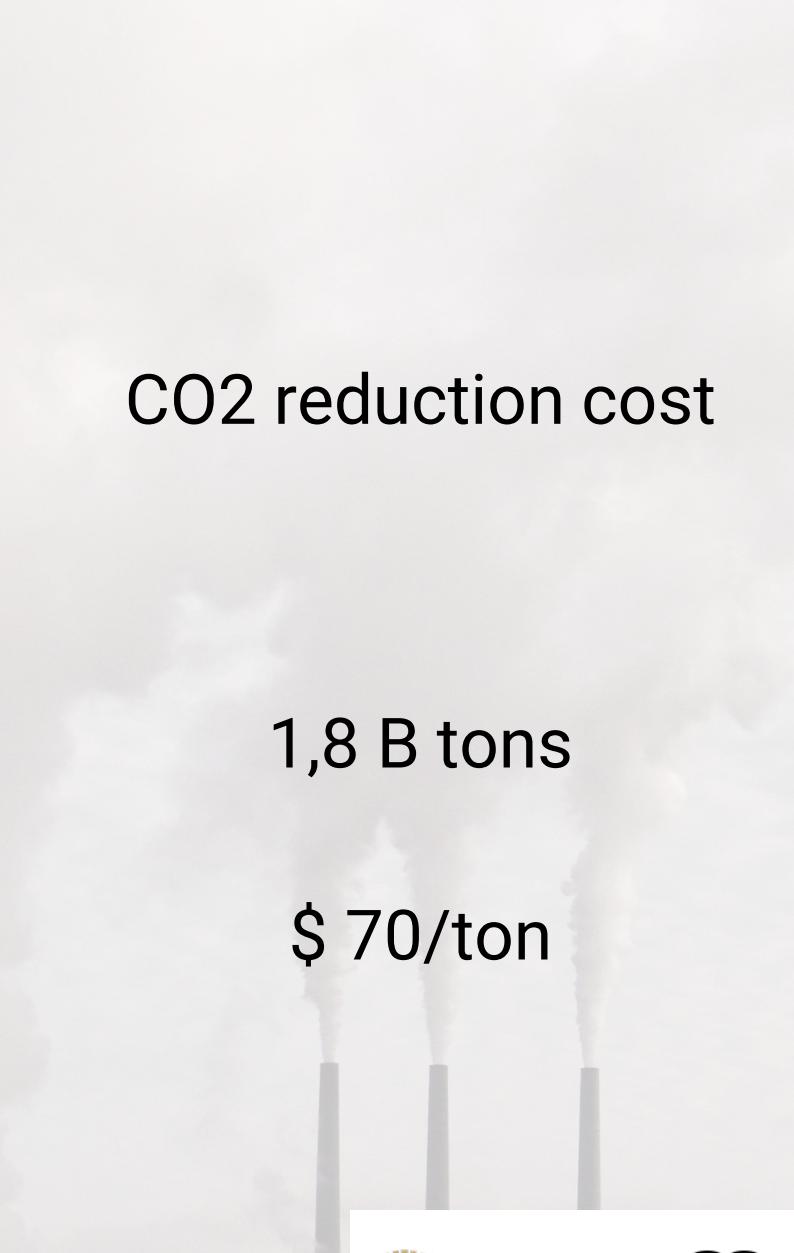
Fuel consumption/day



3,000,000 barrels

\$ 240 M

CO2 reduction cost



1,8 B tons

\$ 70/ton

ECO-driving training



2,1 M drivers

\$ 1000 / driver

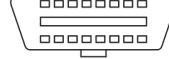
Solution?

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Trucky

Context-aware speed advisor

OBD/canbus 

Road morphology 

Speed limits 

Traffic conditions 

Weather 



40+ parameters

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up to **30%** saving per vehicle

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up to **30%** saving per vehicle

AVG. **15%** per fleet

Optimization strategy

Instantaneous optimization

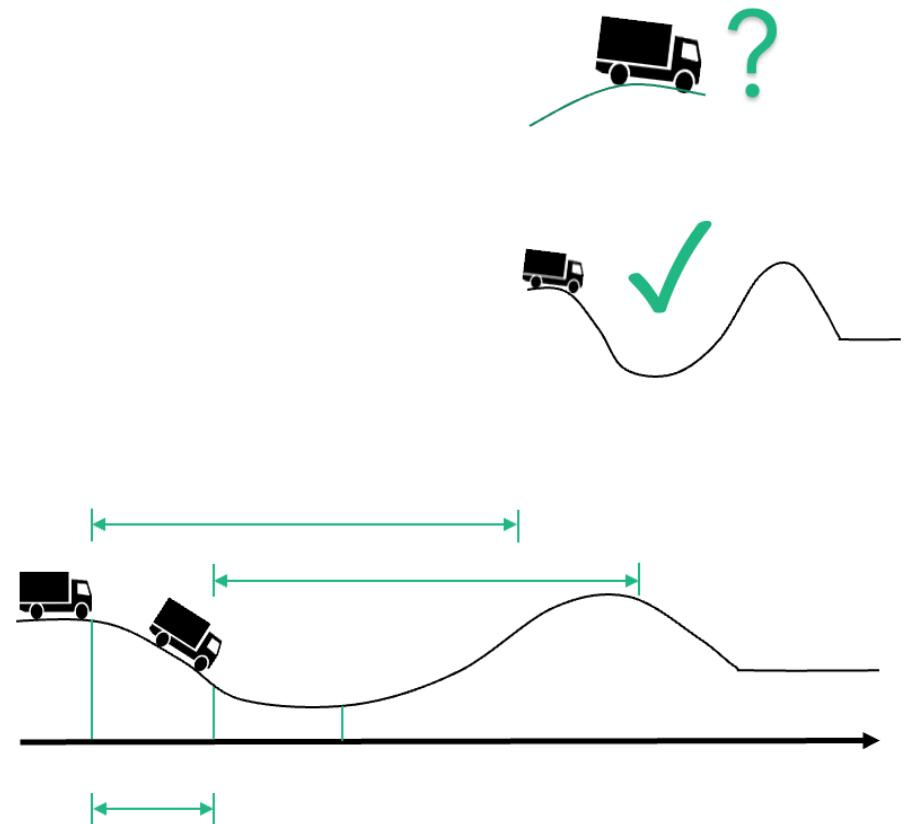
To adapt the reference velocity to the road slope

Full Horizon optimization

To ensure the time constraints of the expected time travel

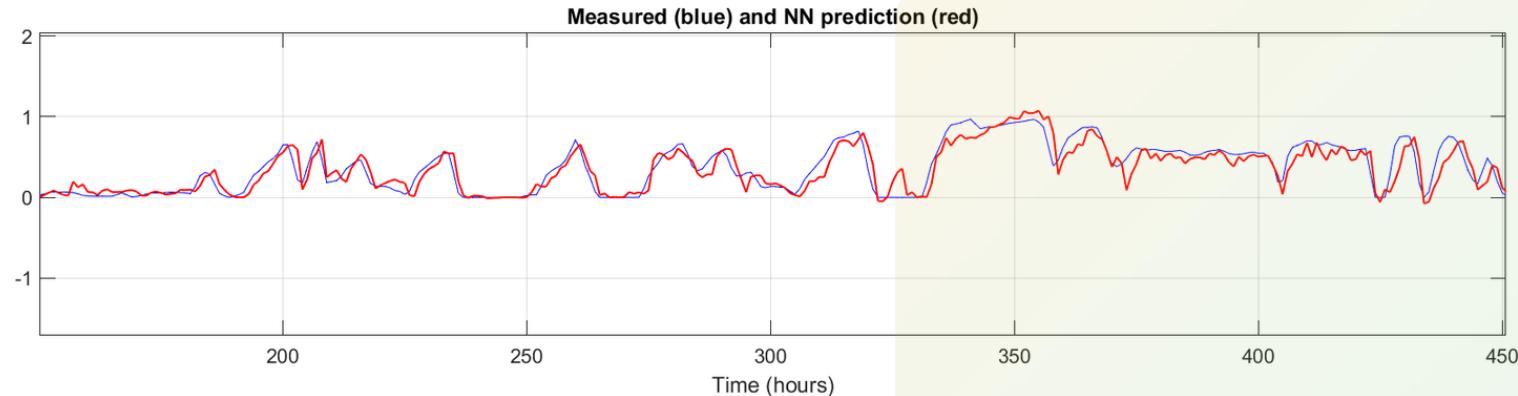
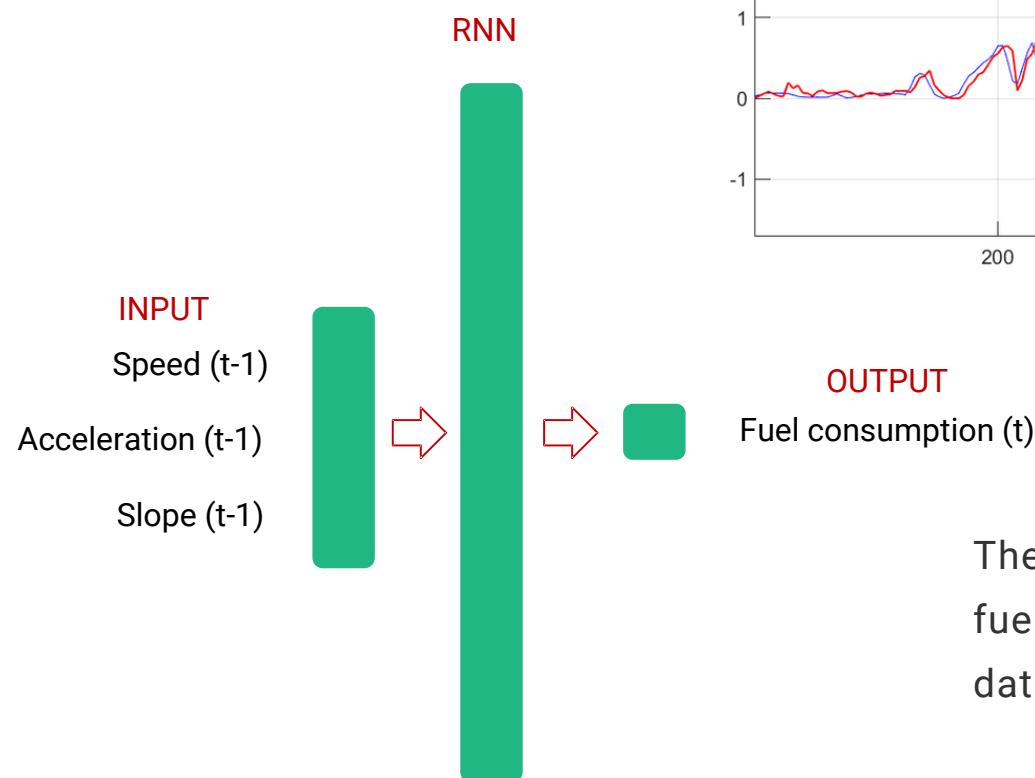
Receding Horizon

Adaptivity to unforeseen disturbances



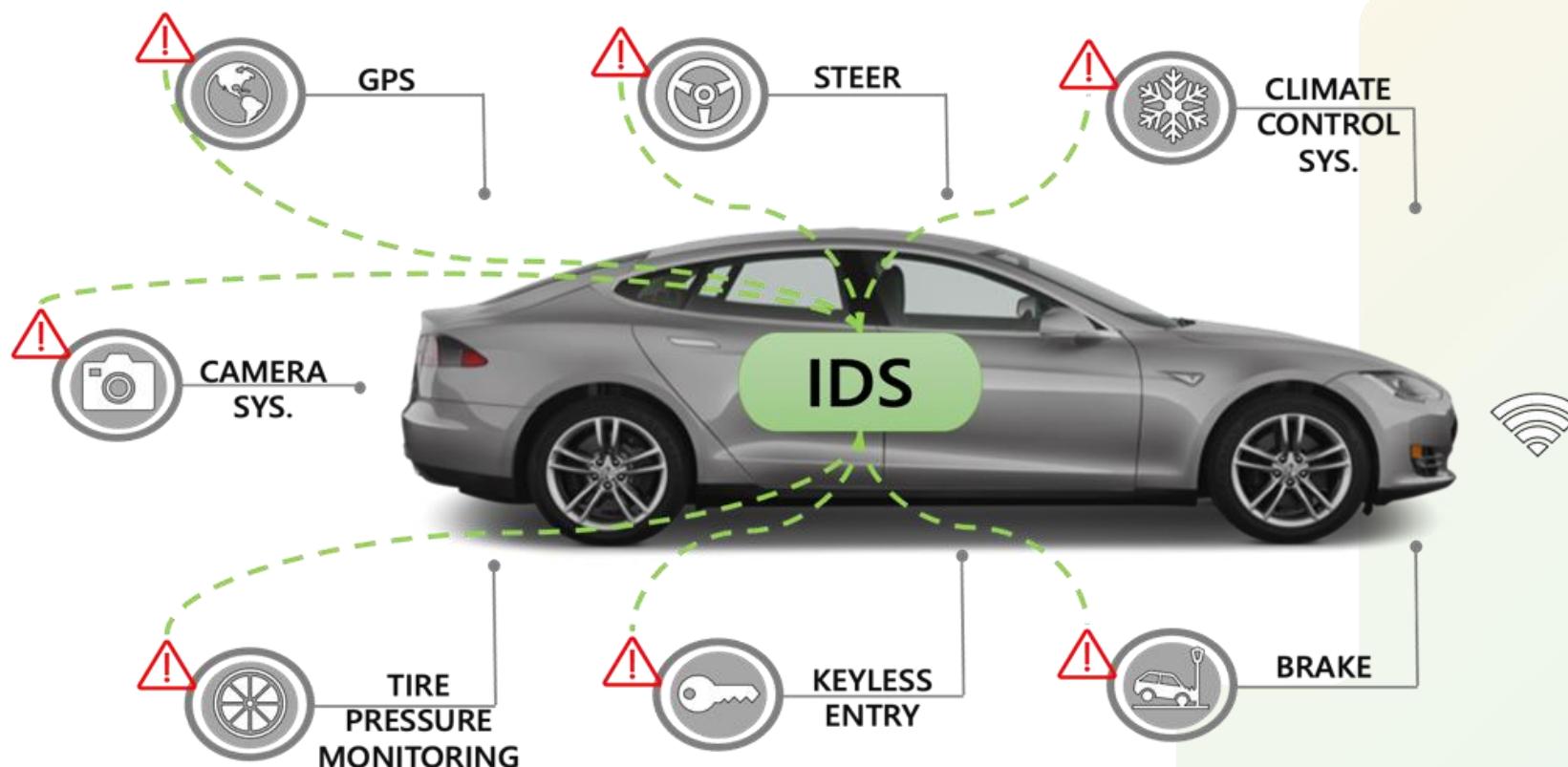
Fuel consumption prediction

AI solutions Recurrent Neural Networks



The network is able to track the dynamics of fuel consumption [l/km] consistently with data measured on board.

Cybersecurity



3 STEPS ALGORITHM

- Data Flow Analysis
- Feature Extraction
- Event Detection

Bayesian network
Context-aware

Cybersecurity in Automotive: an Intrusion Detection System in Connected Vehicles
DOI: <https://doi.org/10.3390/electronics10151765>

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TRACTION

SOFTWARE INTEGRATION

Add-on solution on logistic services providers

COMMERCIAL PARTNERSHIP

Off-the shelf product

HEAVY-DUTY CUSTOMERS

Pilot and roll-outs



AMAZON LOGISTICS



INTERMODALITY



FOOD LOGISTICS



PASSENGER TRANSPORTATION

CAR-SHARING/RENTAL CUSTOMERS

Dynamic pricing and driver rewarding



PRIVATE CARS



PROPRIETARY FLEET

Trucky



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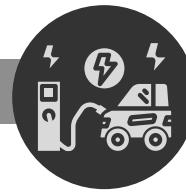
Roadmap

Q4 2023



CAR
SHARING/RENTAL

Q1/Q2 2024



US INC.

Q3 2024



EV/FUEL
CELLS



Ennio Andrea
Adinolfi
CEO
Mech. engineer,
postdoc



Enrica
Formaglio
CRO
crowdfunding
expert



Cesare
Pianese
CTO
College
professor



Tommaso
D'Onofrio
CFO
Startup
investor



Lulù
DOG
Feel Good
Manager

Team

3 Investors

6 Developers

5 R&D

2 Advisors



Less Fuel, More Business
Less Emission, More Planet

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Progetto cofinanziato dall'Unione Europea, dallo Stato Italiano e dalla Regione Campania, nell'ambito del POR Campania FESR 2014-2020



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Raised: ~ € 500k

€ 1.5 MLN