

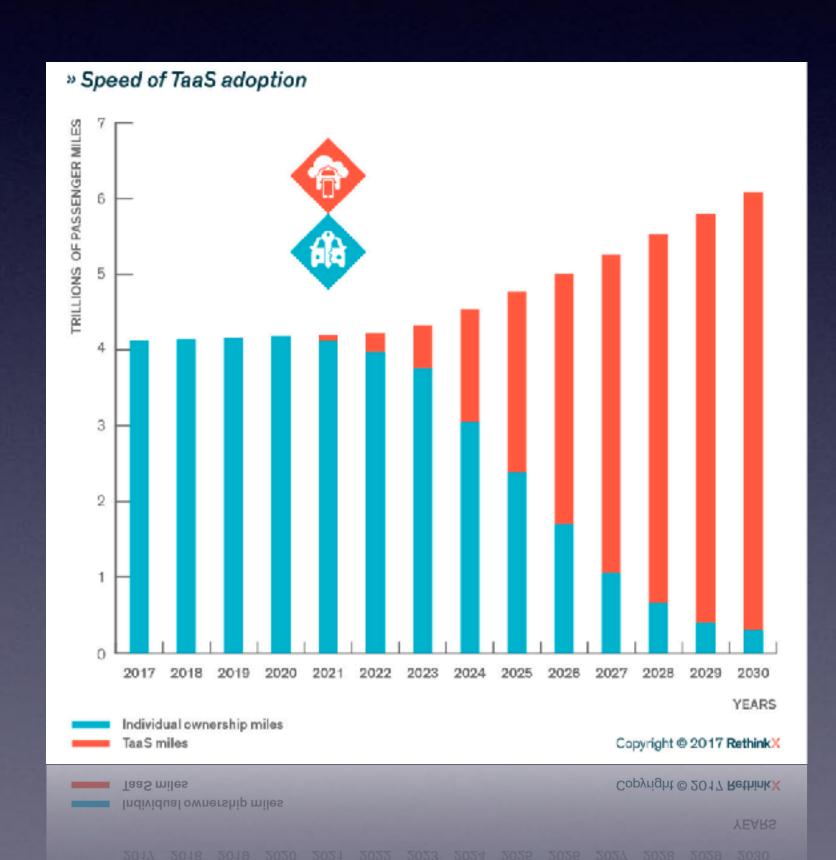
perspective from an EV leasing company

VISIERECT EED DIRECT



We will not rest before fossil fuel is abandoned from this world

Mission Statement



Therefore we need to accelerate the adaptation of using Autonomous Electric Vehicles (A-EVs) in Transport as a Service (Taas) platforms

RethinkX predicts in 2030 95% of all passenger miles are TaaS

Charging Infrastructure is a major roadblock

- I. Occupied with slow charging
- 2. Lack of vision to fast-charge A-EVs

Tesla Superchargers are in place and accelerating



Somewhere around

2030



November 2016

Tesla AutoPilot 2.0







CES Las Vegas - EV all in

Januari 2017

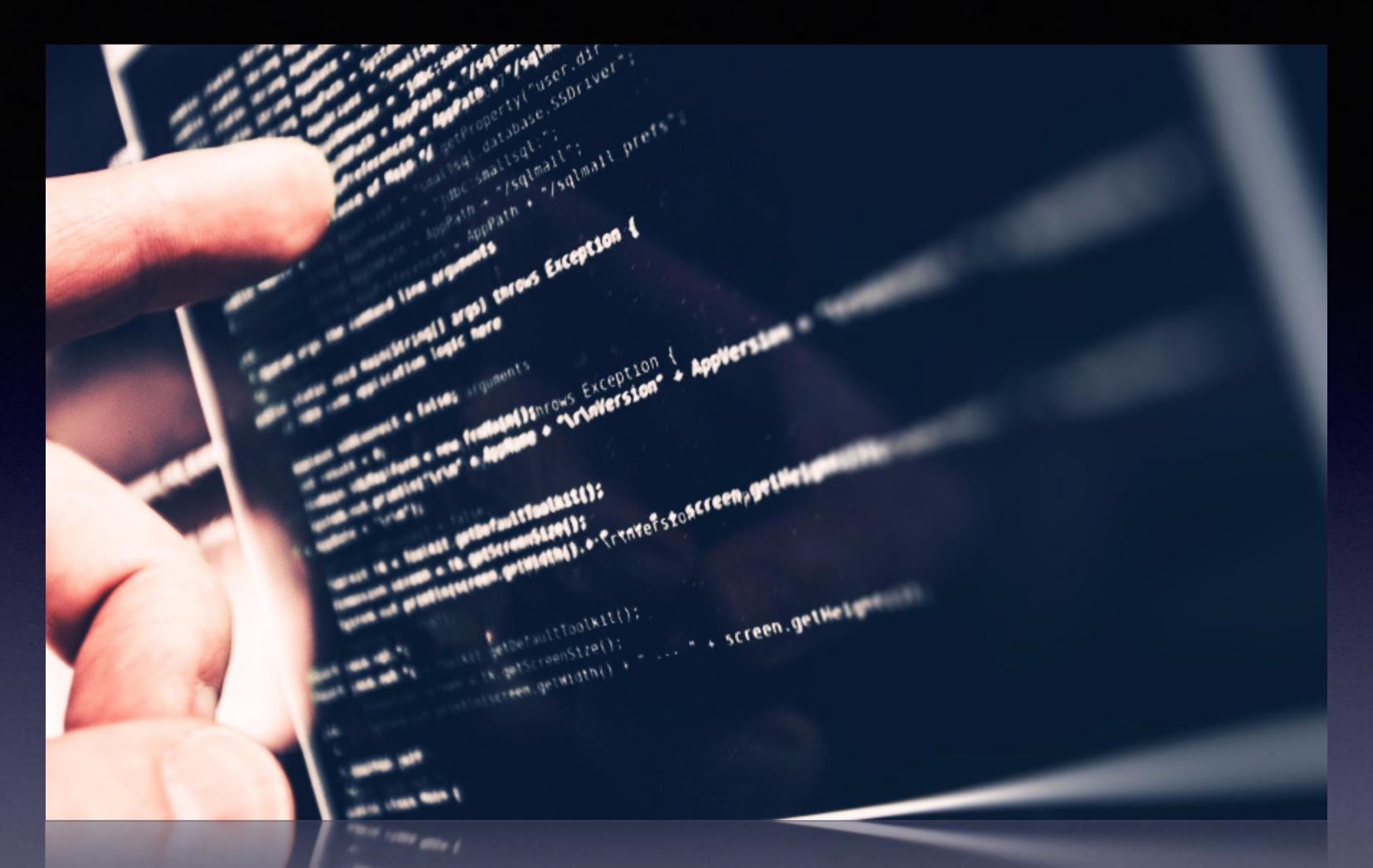
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BMW management crisis

Januari 2017







MisterGreen Direct Platform in development

Februari 2017

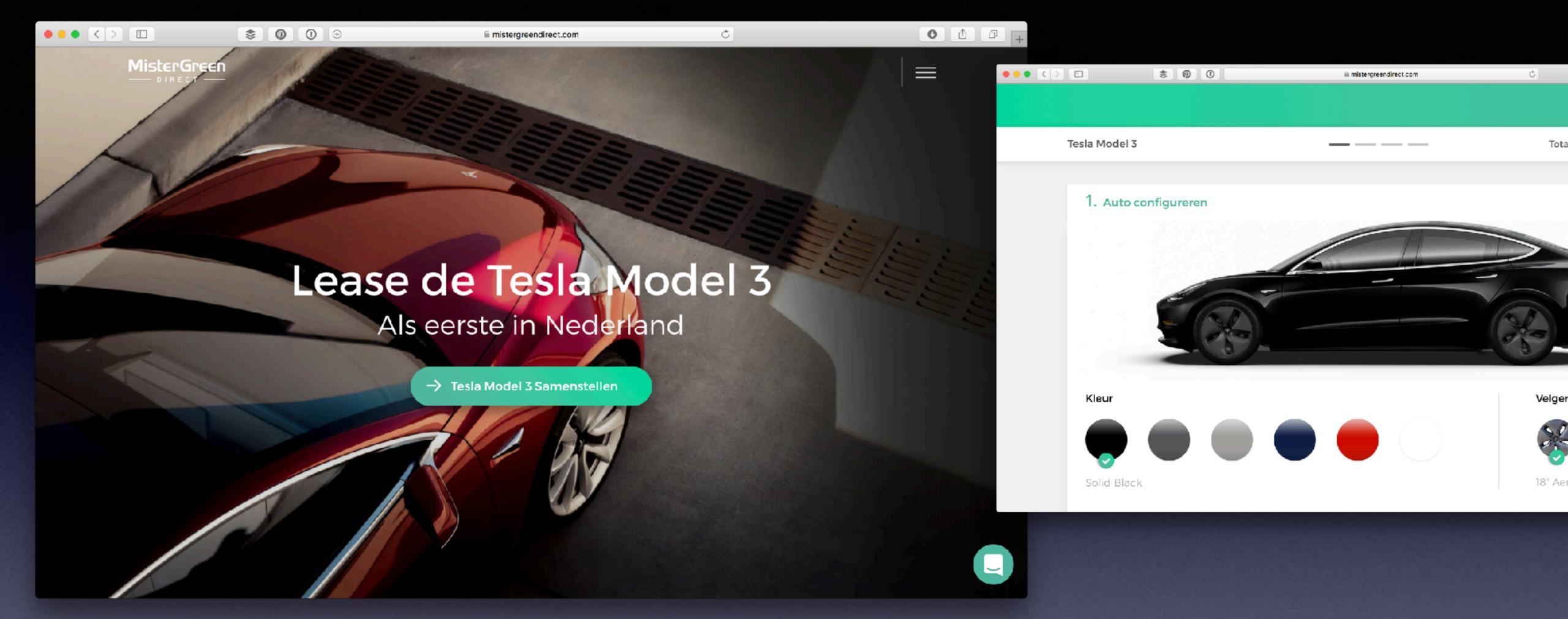


Tesla Model 3 Introduction

June 2017



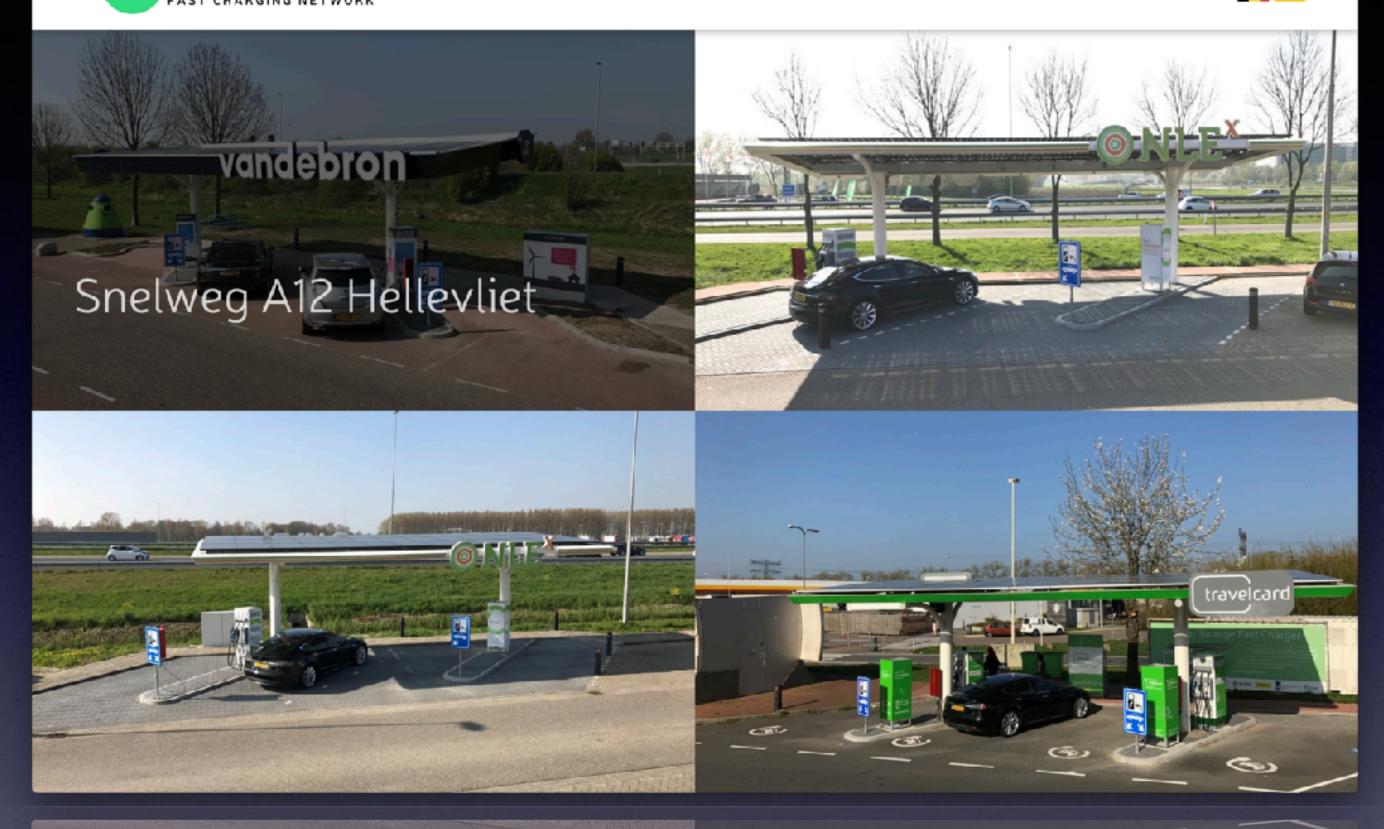




Launch MisterGreen Direct

June 2017





MisterGreen 12 FastCharging Stations

August 2017

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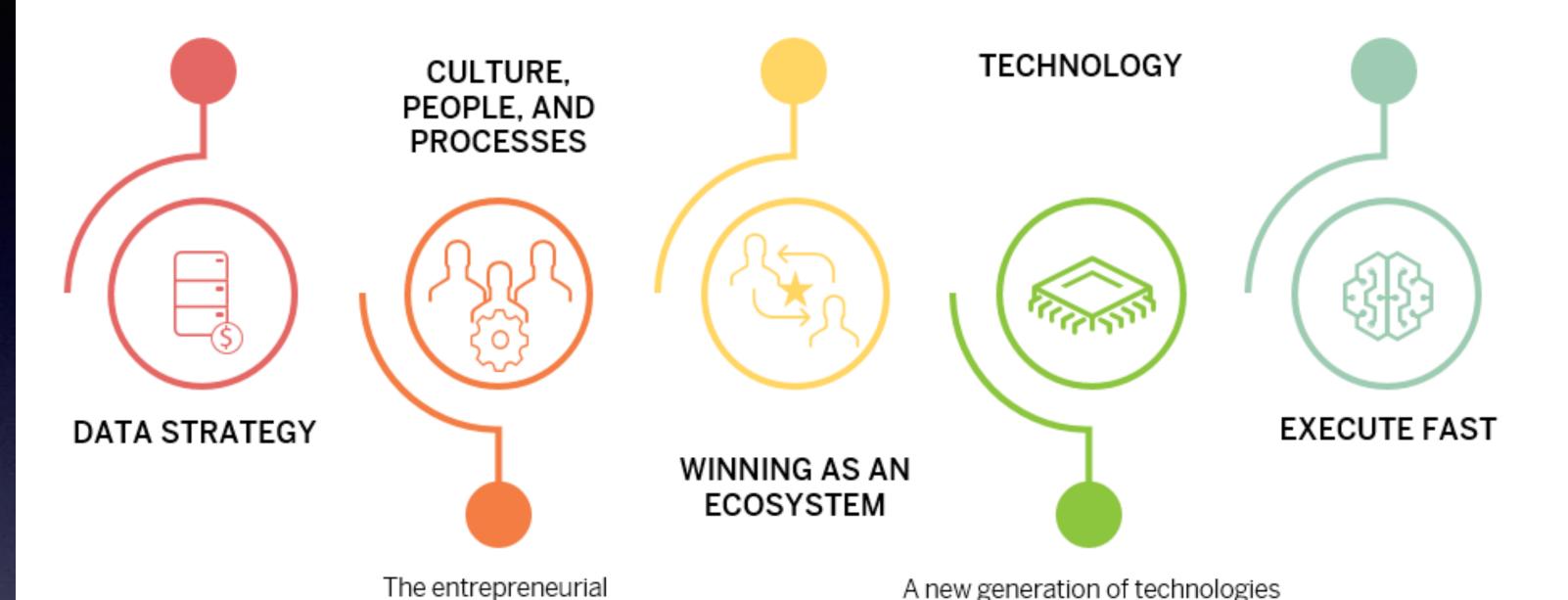
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Framing a winning data strategy and maximizing the value in your data assets

Connecting customers, and partners to build a true 'data network'

Start small and focus on business outcomes



Data Network Data Network

mind-set and

accountability

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A new generation of technologies

to deliver the level of quality,

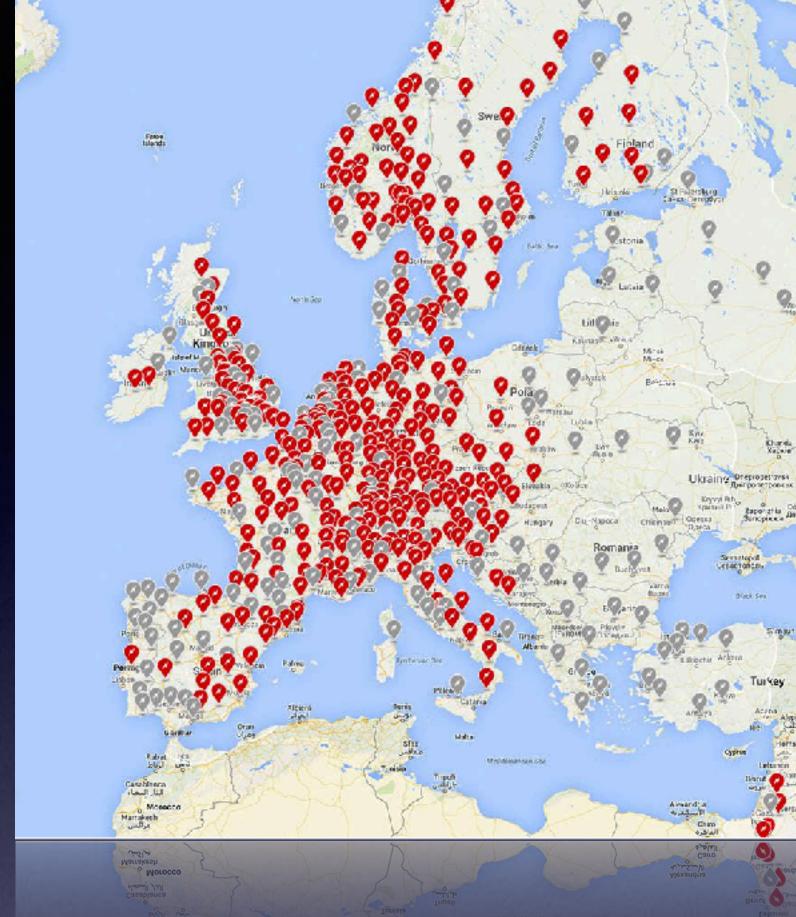
connectivity, speed, and scale

1isterGreen Data as an Asset

August 2017







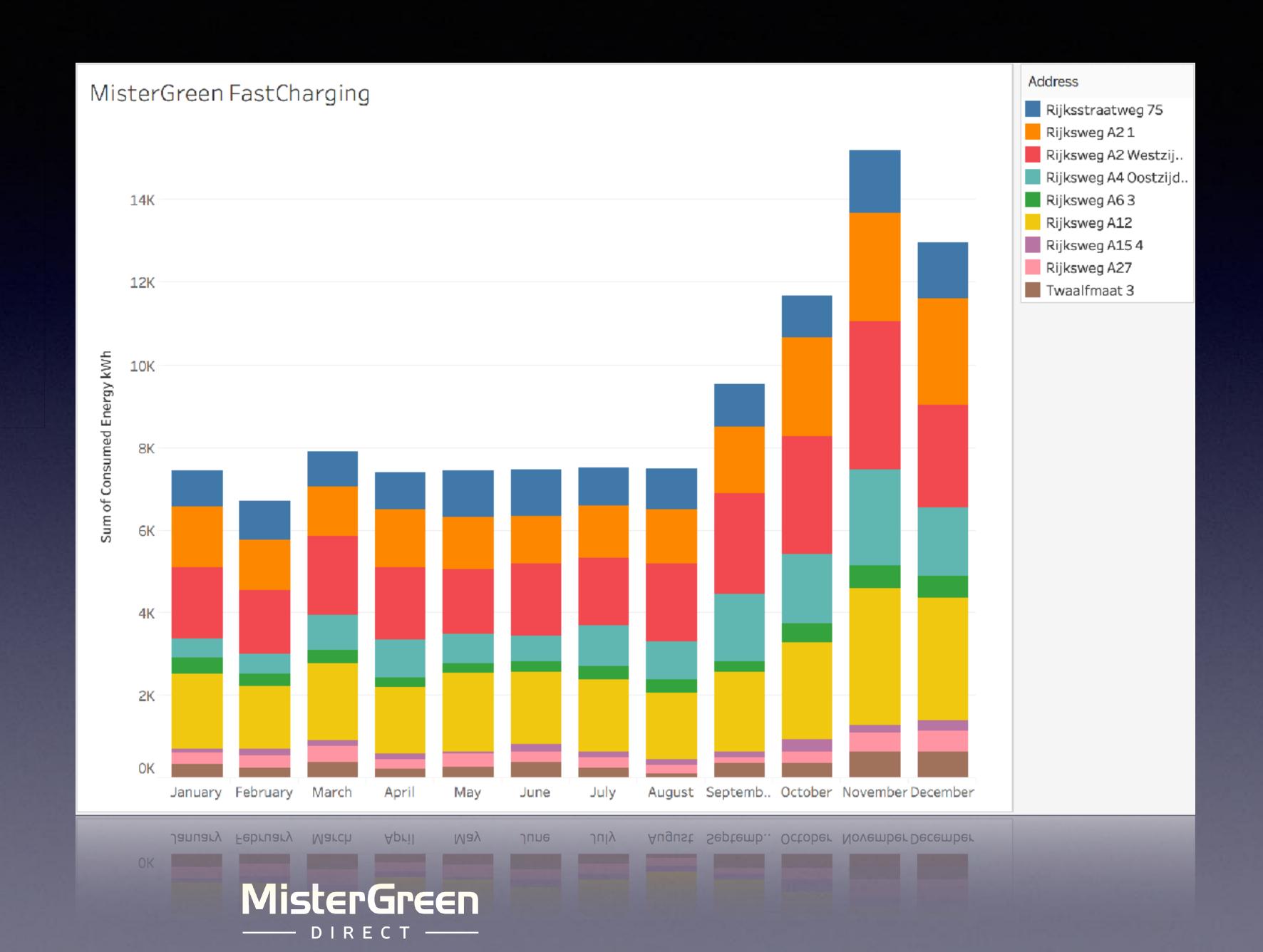
Ford and Europe's auto giants to build a long-distance electric charging network

September 2017



Sharp increase EV charging

November 2017



CES Las Vegas - Autonomous EV

Januari 2018





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Mission Statement MisterGreen



To 'read' the future and stay ahead of curve

Roel Smelt
Chief Innovation MisterGreen







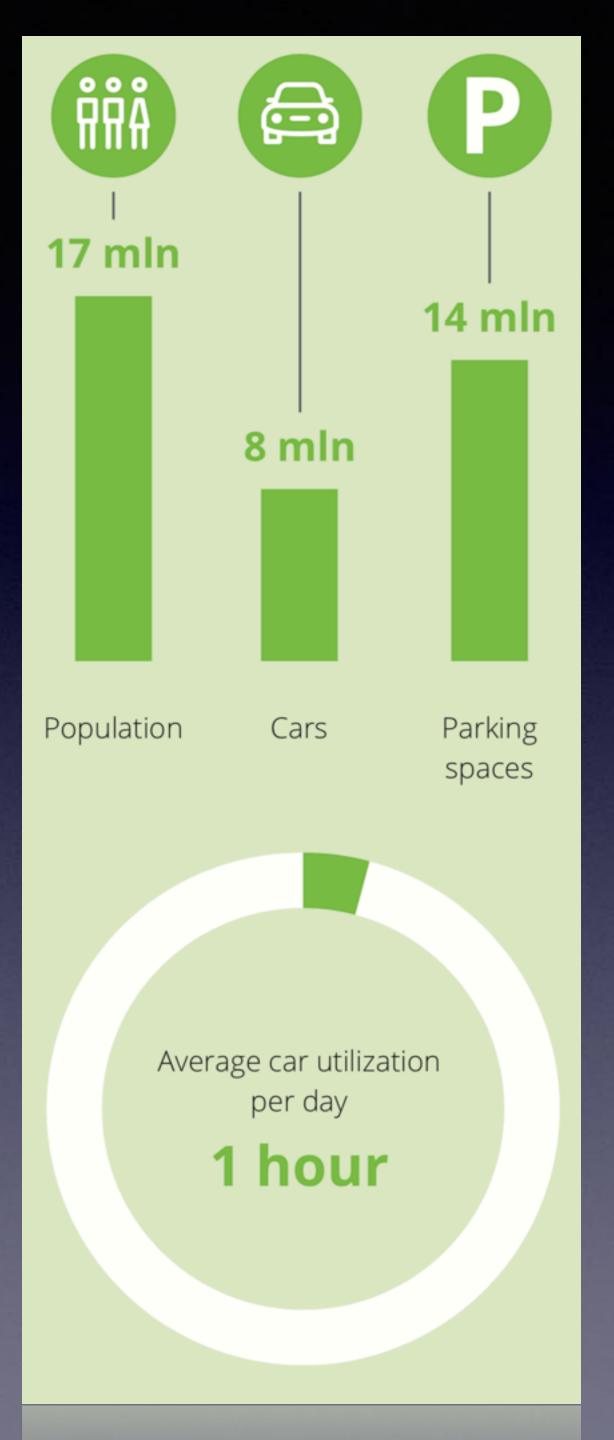
Saving space in the city through smart mobility 40% fewer parking spaces in 2040

Deloitte - 18 January 2018



Parking Spaces

In the Netherlands



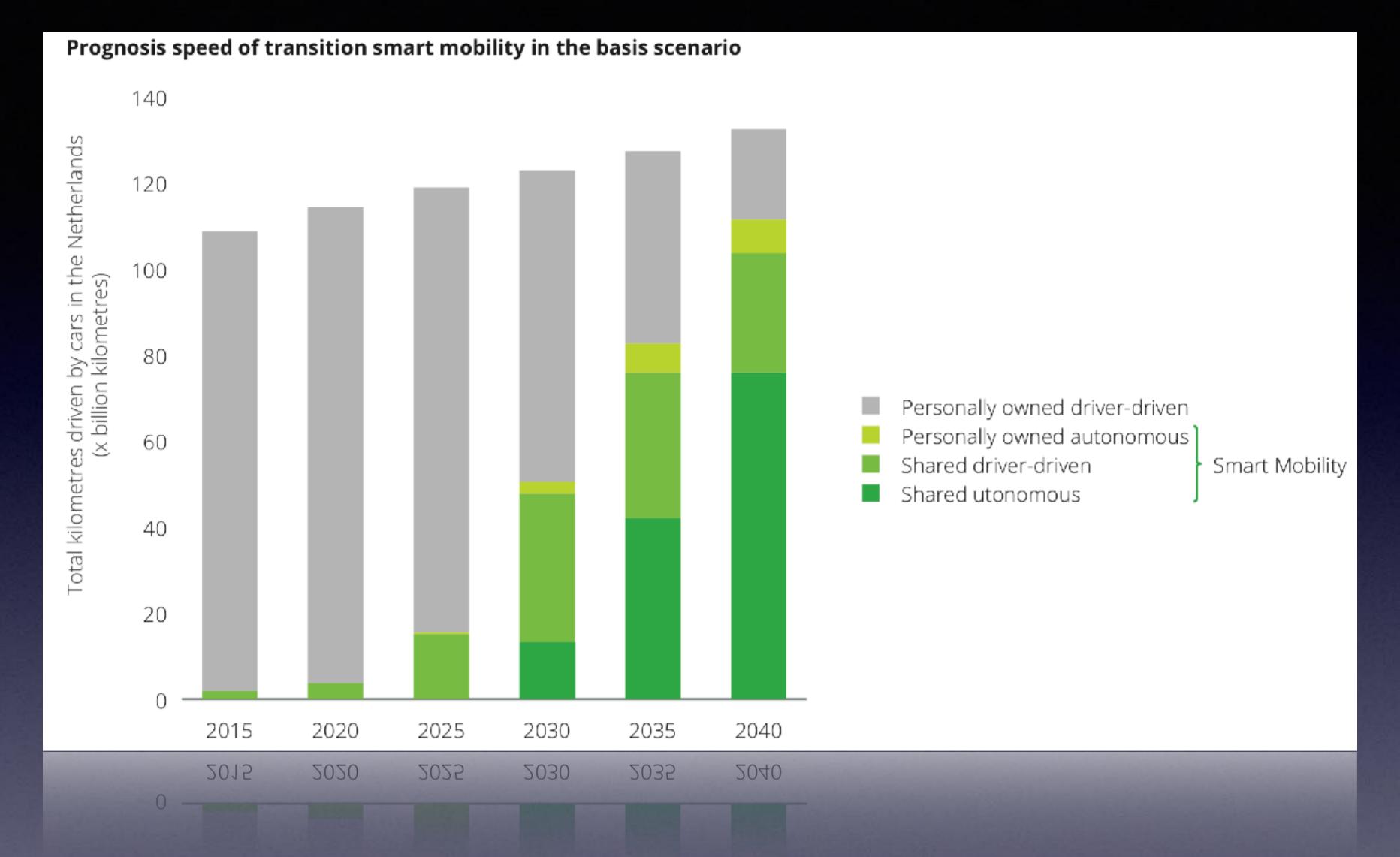




Redevelopment potential street parking spaces

Approximately 80% of all public parking spaces in the Netherlands is street parking





Prognosis speed of transition smart mobility in the basis scenario



Tony Seba - Stanford & RethinkX

Due to major transportation disruption, 95% of U.S. car miles will be traveled in self-driving, electric, shared vehicles by 2030



Box 2: Cost of transport choices

Based on our model, these are the costs-per-mile of the choices that individual consumers will face as the TaaS disruption unfolds. Consumers will face these choices on day one (the disruption point):

Buy a new car

- ICE: 65 cents (2021), rising to 78 cents¹⁰ (2030)
- EV: 62 cents, falling to 61 cents

Use paid-off existing ICE vehicles

Operating cost only of ICE: 34 cents, falling to 31 cents

Use TaaS

- TaaS: 16 cents, falling to 10 cents
- TaaS Pool: 5 cents,11 falling to 3 cents

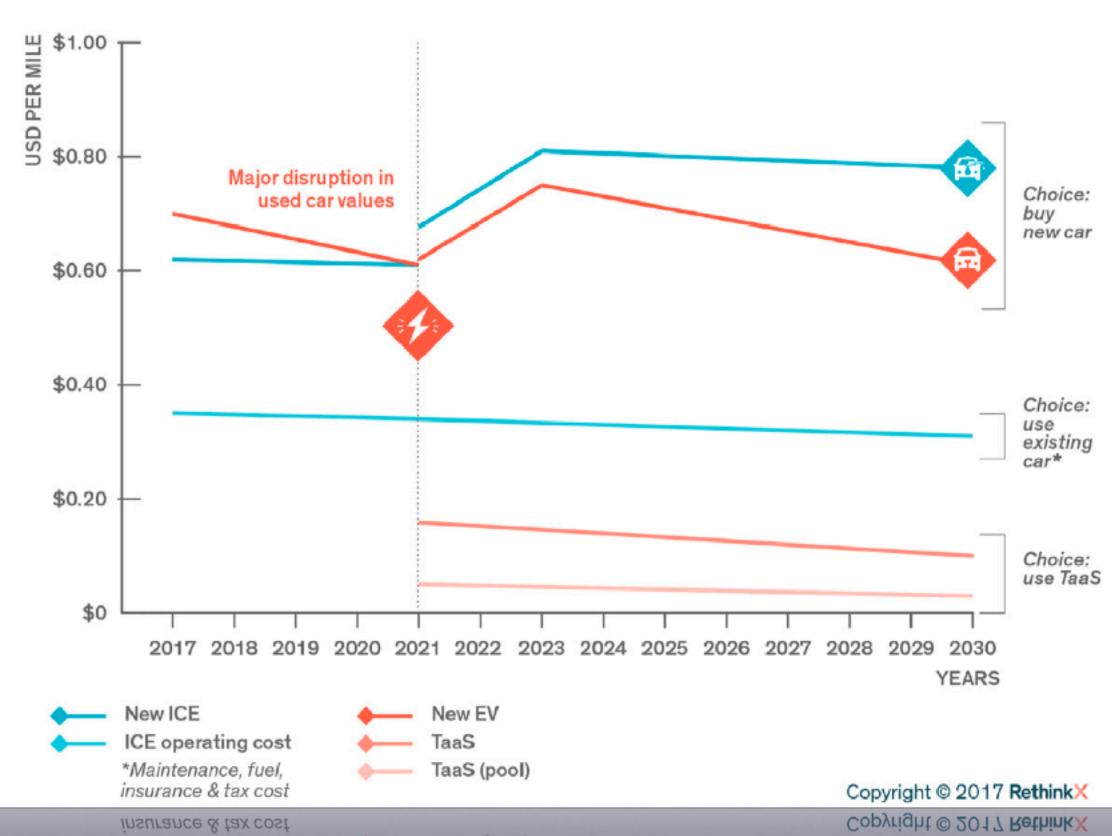
Annual savings per vehicle in 2021:

- TaaS vs. driving paid-off existing ICE: \$2,000
- → TaaS vs. new ICE: \$5,600

Figure 2. Consumer Choices: cost-per-mile analysis9

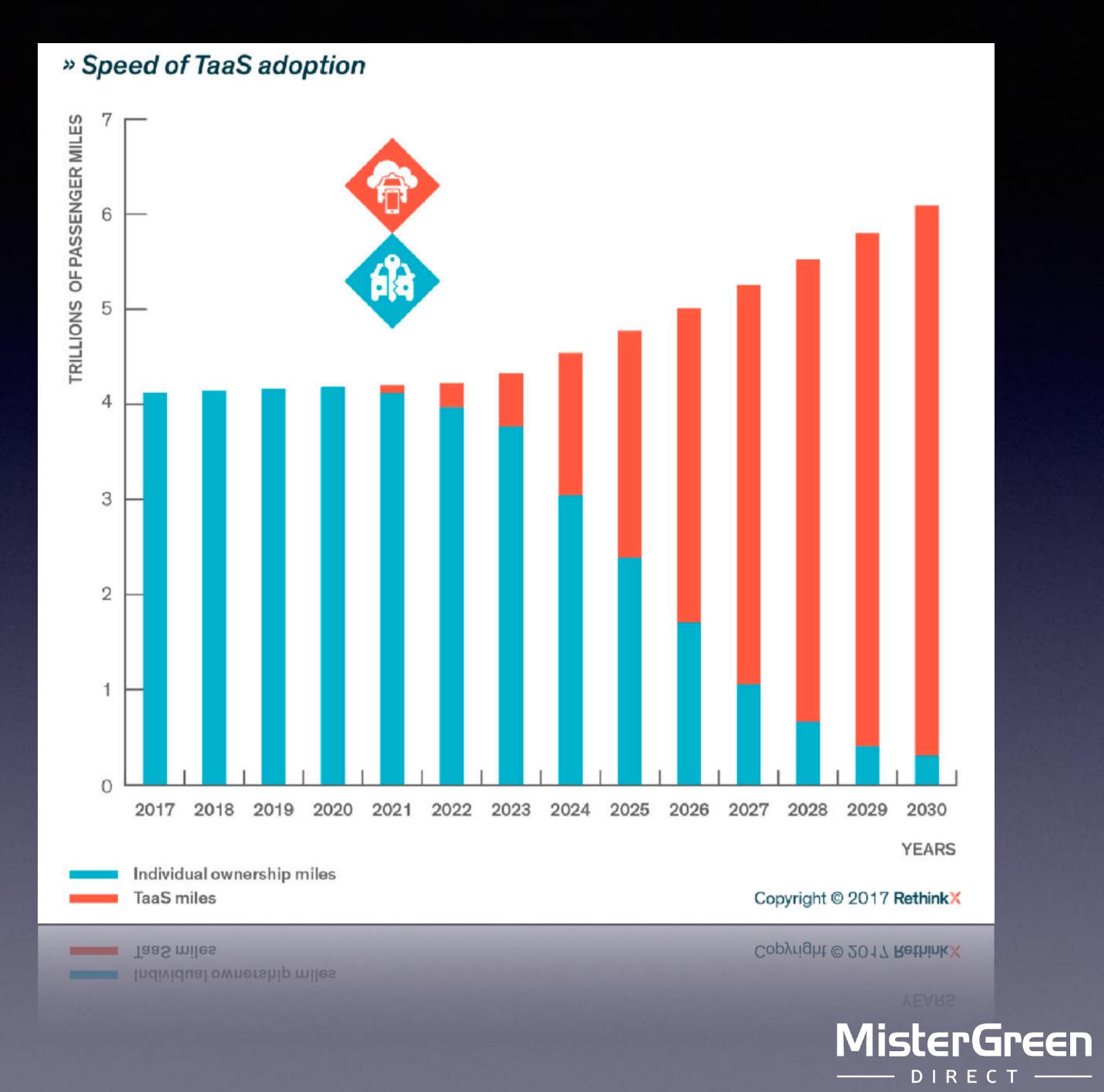
Sources: Authors' calculations based on data from Edmunds, Kelley Blue Book, Your Mechanic, U.S. Department of Energy, U.S. Department of Transportation, U.S. Bureau of Labor Statistics and uSwitch. See Appendix A for further details on the methodology

» IO ICE, IO EV and TaaS costs



It's all about economics

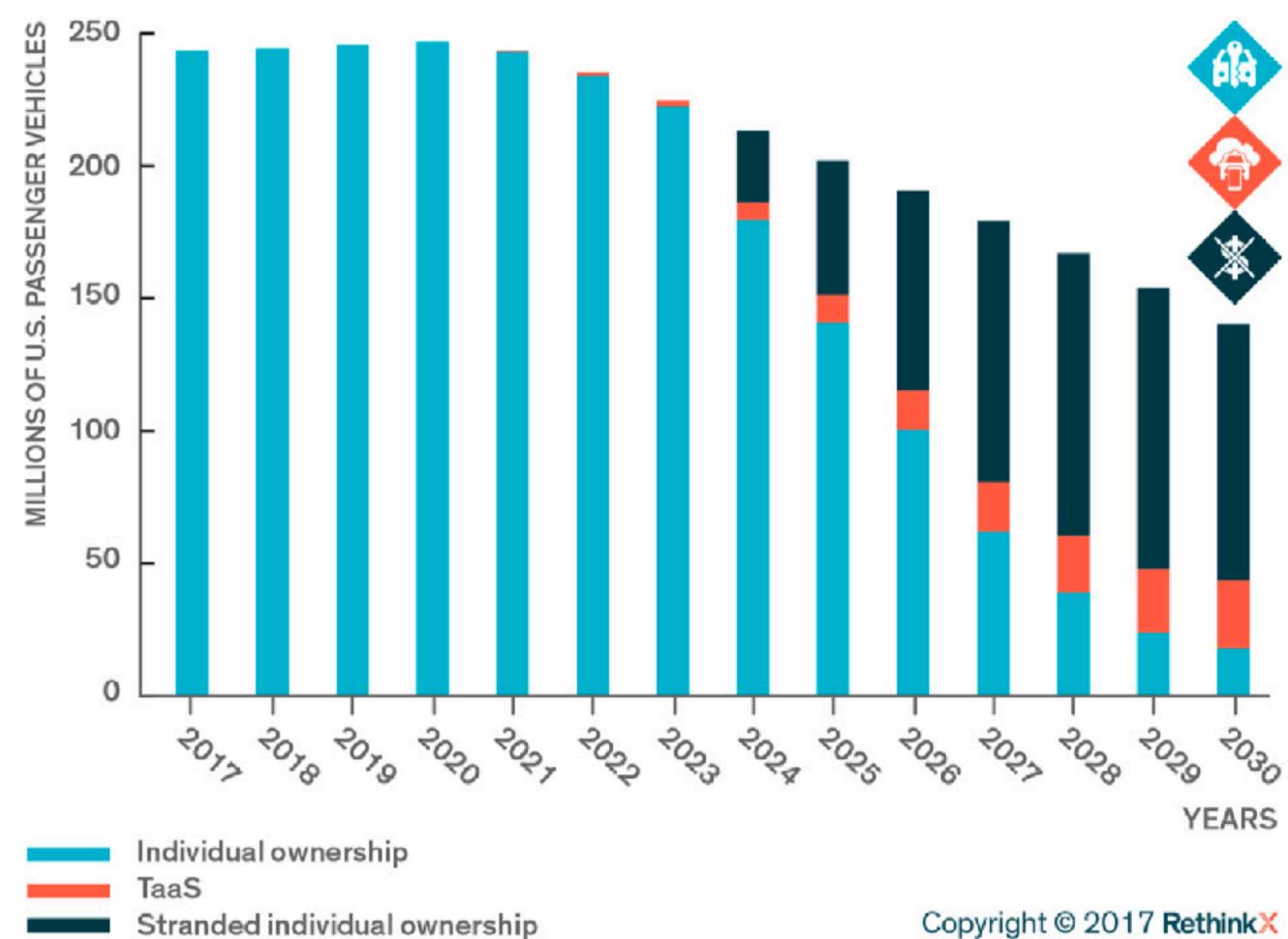




Speed of TaaS adaptation

Within 10 years of the regulatory approval of driverless vehicles

» Projected trends in fleet size and composition



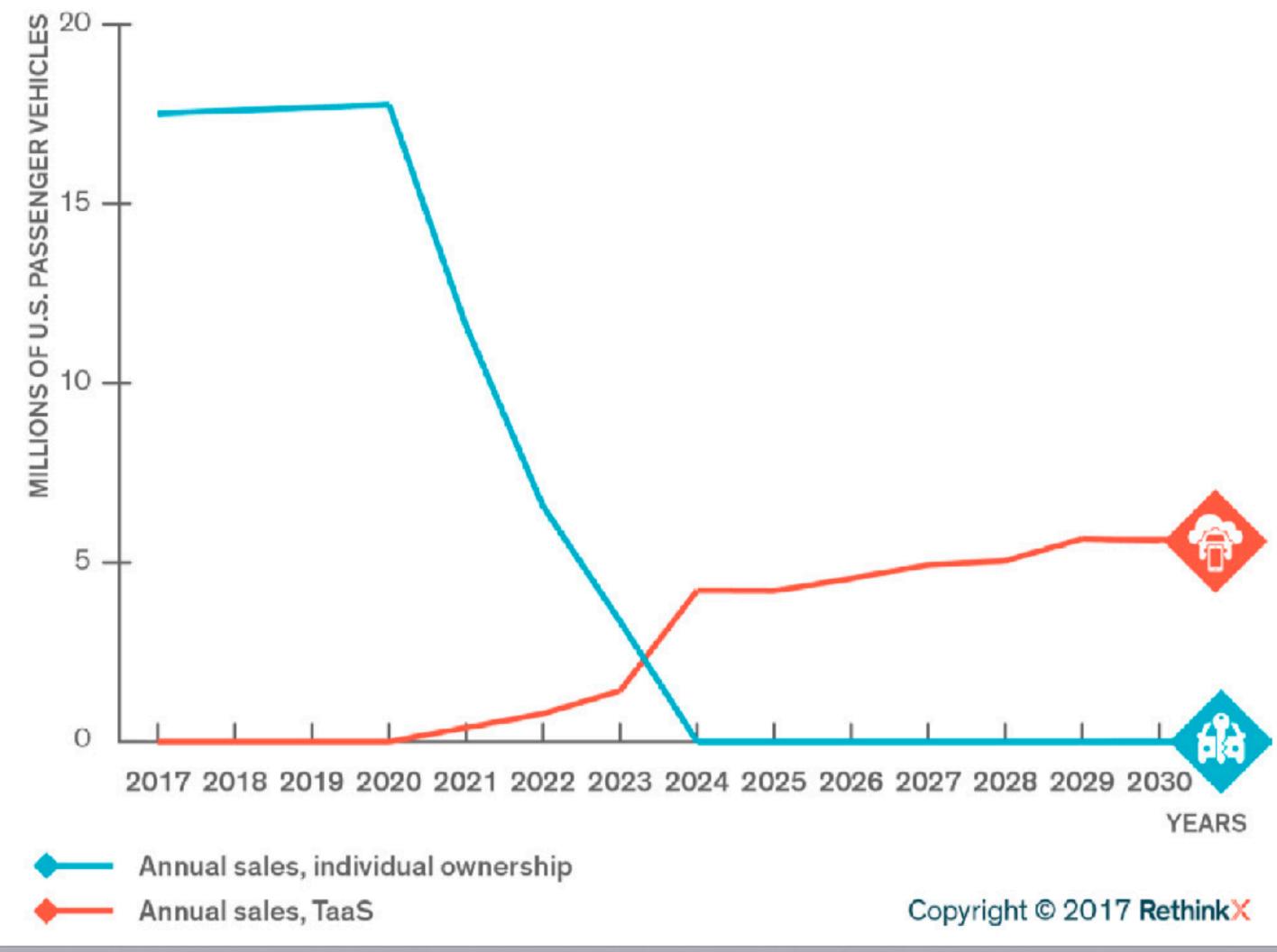
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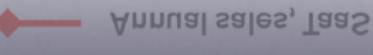
Stranded individual ownership

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» ICE vs. TaaS: Projected trends in annual sales





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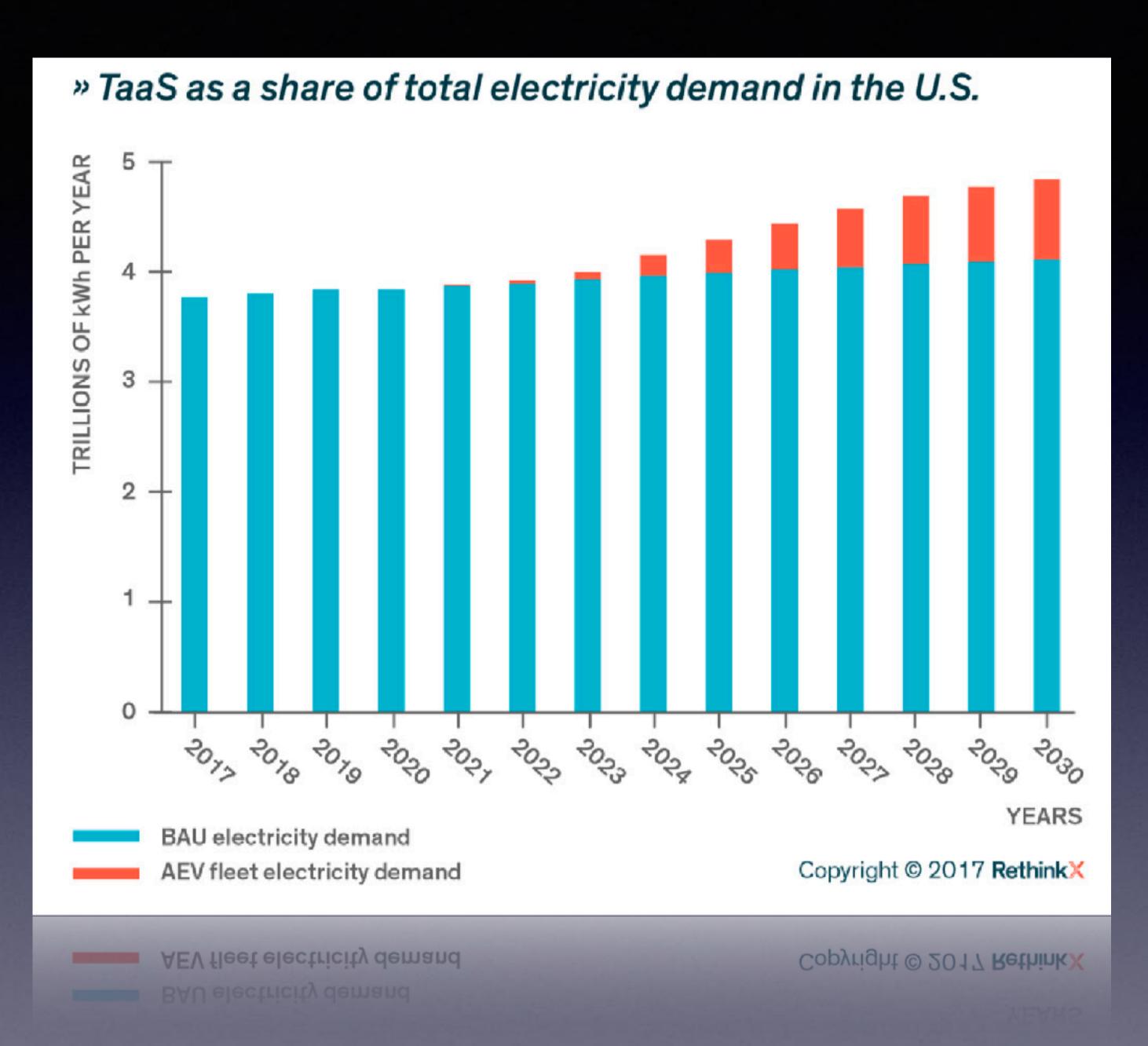
— Annual sales, individual ownership

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Individual ownership annual sales drops to zero

More electricity needed





Tesla Master Plan 2017-2027

MASTER PLAN, PART DEUX:

 Create stunning solar roofs with seamlessly integrated battery storage.

Expand the electric vehicle product line to address all major segments.

Develop a self-driving capability that is 10X safer than manual via massive fleet learning.

 Enable your car to make money for you when you aren't using it.



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Roadmap MisterGreen

International MisterGreen TaaS Data AI/ML Subscriptions Fleet Entrepreneurs Crowd Funding Forensic Sales Added value to big TaaS Car Sharing Price per Mile Crowd Sales Fleet Sales MisterGreen Fleet Configure | Get Approved | Contract 2018 2030 2025 Autonomous driving legal

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Charging Infrastructure

Consequences

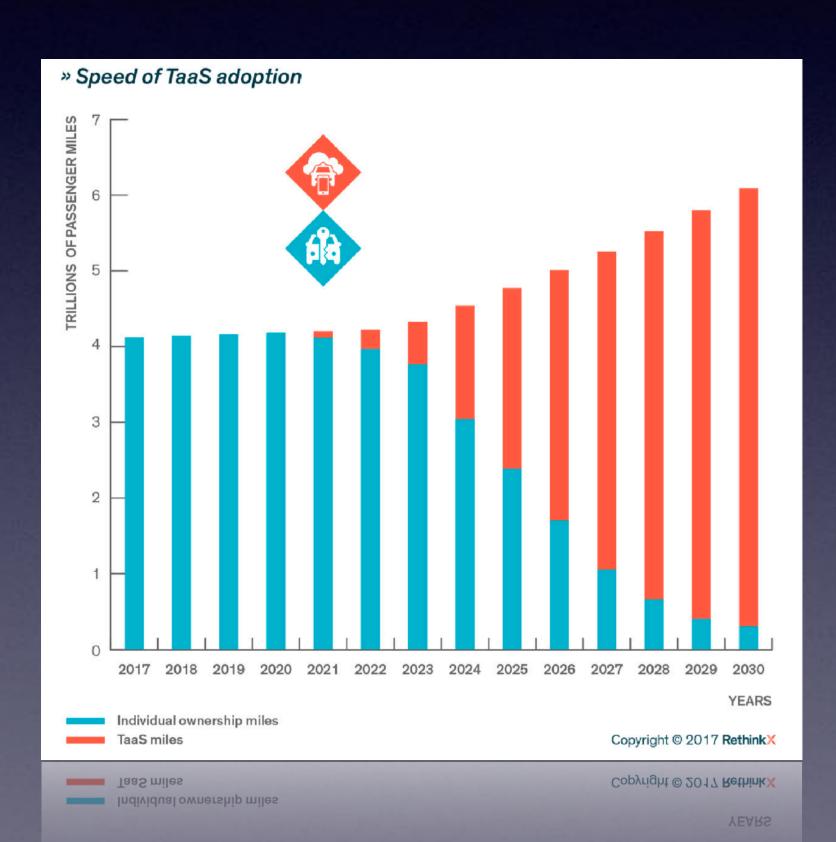
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The current data is biased towards hybrids (PHEVs)

- no more (tax) subsidiaries
- stop extrapolating this data
- EV full charging in the day for 6hrs is useless

Charging Time of Tesla Model

Duration of a Complete Charging Cycle (Battery Capacity 90 kWh)



40h

domestic socket 2.3 kW



24.5h

charging station 3.7 kW



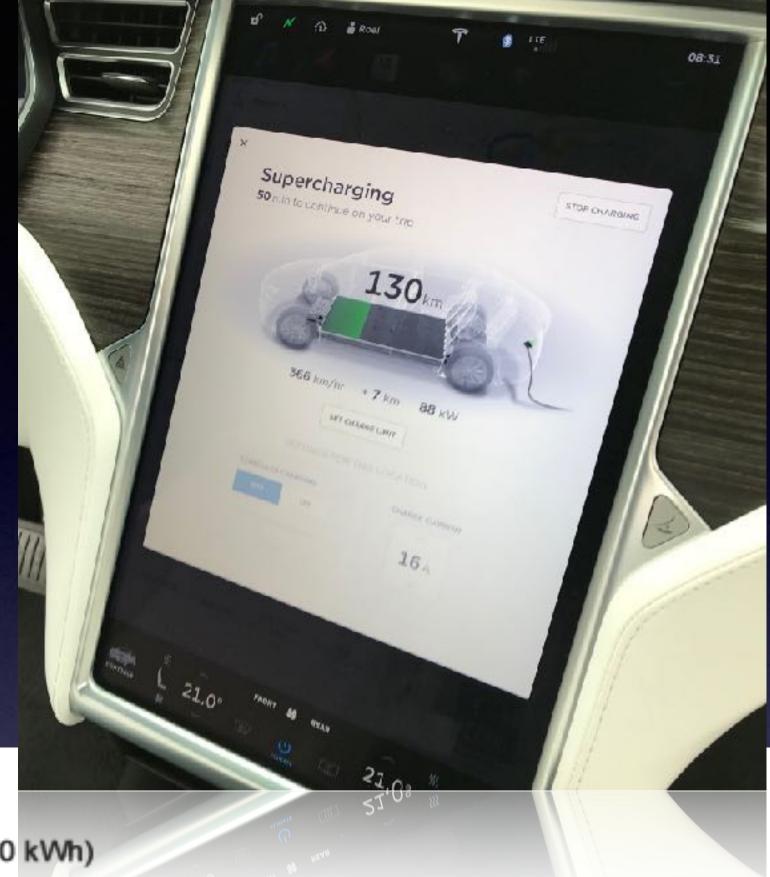
8.5h

charging station 11 kW



6h

charging station 22 kW







Charging Infrastructure is a major roadblock

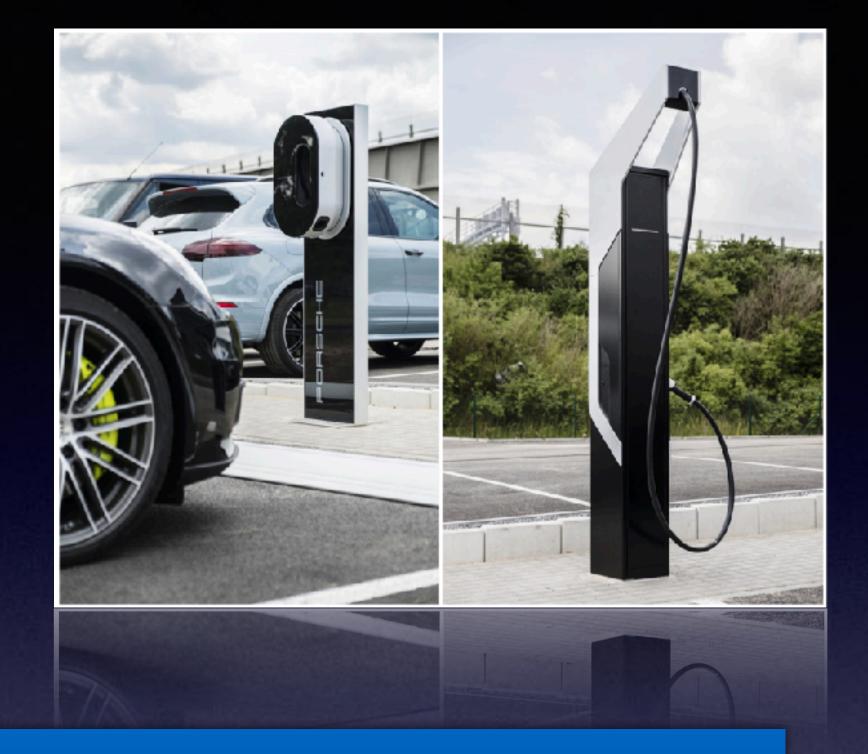
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Ultra-fast-charging

- Porsche 350kW 15 minutes (beta)
- Tesla 120kW 50 minutes (active)
- more than a snack

A-EV in a fleet

- utilisation is key
- fast-charging a prerequisite
- A-EV Service Center as a business



A-EV private use

- · unlikely to drive more than 400km
- · full night charge is sufficient
- · 22kW 6hrs is fast enough
- at home / nearby A-EV Parking Center
- no need to charge in the day



Ultra-fast-charging

more than a snack

Ultra-fast-charging network 120kW+ near restaurants & shops

shops

Tankstations/Snackshops along the highway are EOL

A-EV private use

at home / nearby A-EV Parking Center

Develop guarded parking area's nearby cities and villages with 22kW+ for night charging

Redevelopment parking spots near our homes

A-EV in a fleet

A-EV Service Center as a business

Develop guarded service centers in cities for A-EVs to charge wash, maintain & repair

Business opportunity for Rentals (Hertz) and Carwash (Loogman)





Ultra-fast-charging

more than a snack

A-EV private use

at home / nearby A-EV Parking Center

A-EV in a fleet

A-EV Service Center as a business

Charging infrastructure vision

As seen by MisterGreen to accelerate the transition



- https://mistergreendirect.com
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