

start

# Most beneficial smart charging with connected cars

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Cheaper and greener charging by involving the driver and his car



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# Flexibility is no proposition

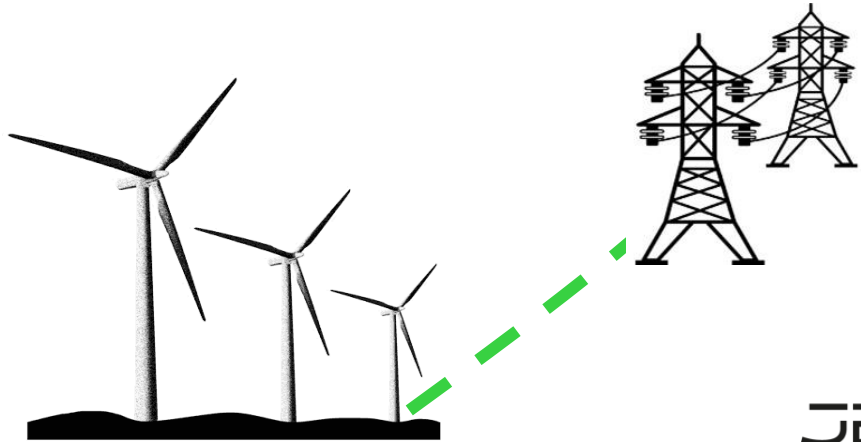
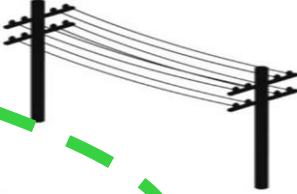
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High interest for driver



- Convenience
- Mobility
- Costs
- Charging
- Footprint
- Energy

Low interest for driver



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# Present practice by-passes drivers

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Flashing; power divided between two vehicles, your vehicle is not charged with the maximum power.

Alternate flashing; charging has stopped temporarily and will restart when enough power is available

*Smart charging explained  
on public charging station  
The Hague, Netherlands, 2017*

Too much focus on energy and charging stations

Poor interaction with drivers

# Real smart is matching driver's requirements

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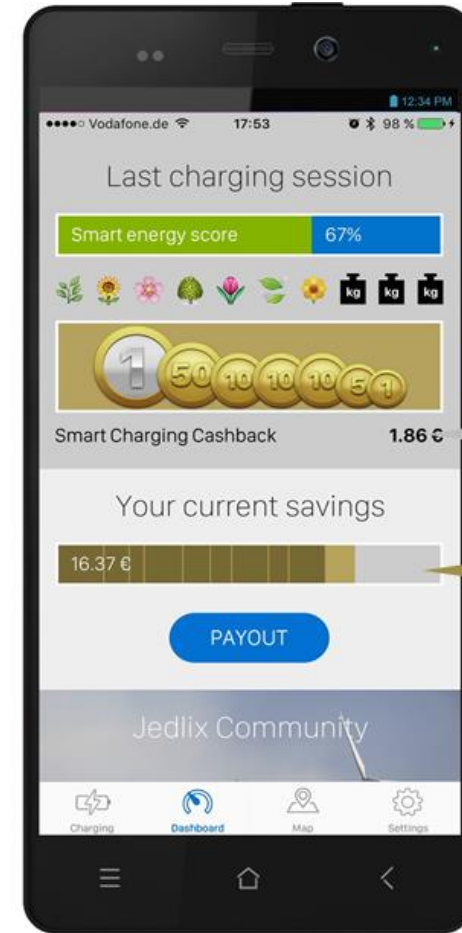
High interest for driver



Convenience from a pleasant user experience

Mobility by a fully charged battery guaranteed

Costs lower due to profit sharing with e-driver



Example of e-drivers daily reward

**1.86 €**

**16.37 €**

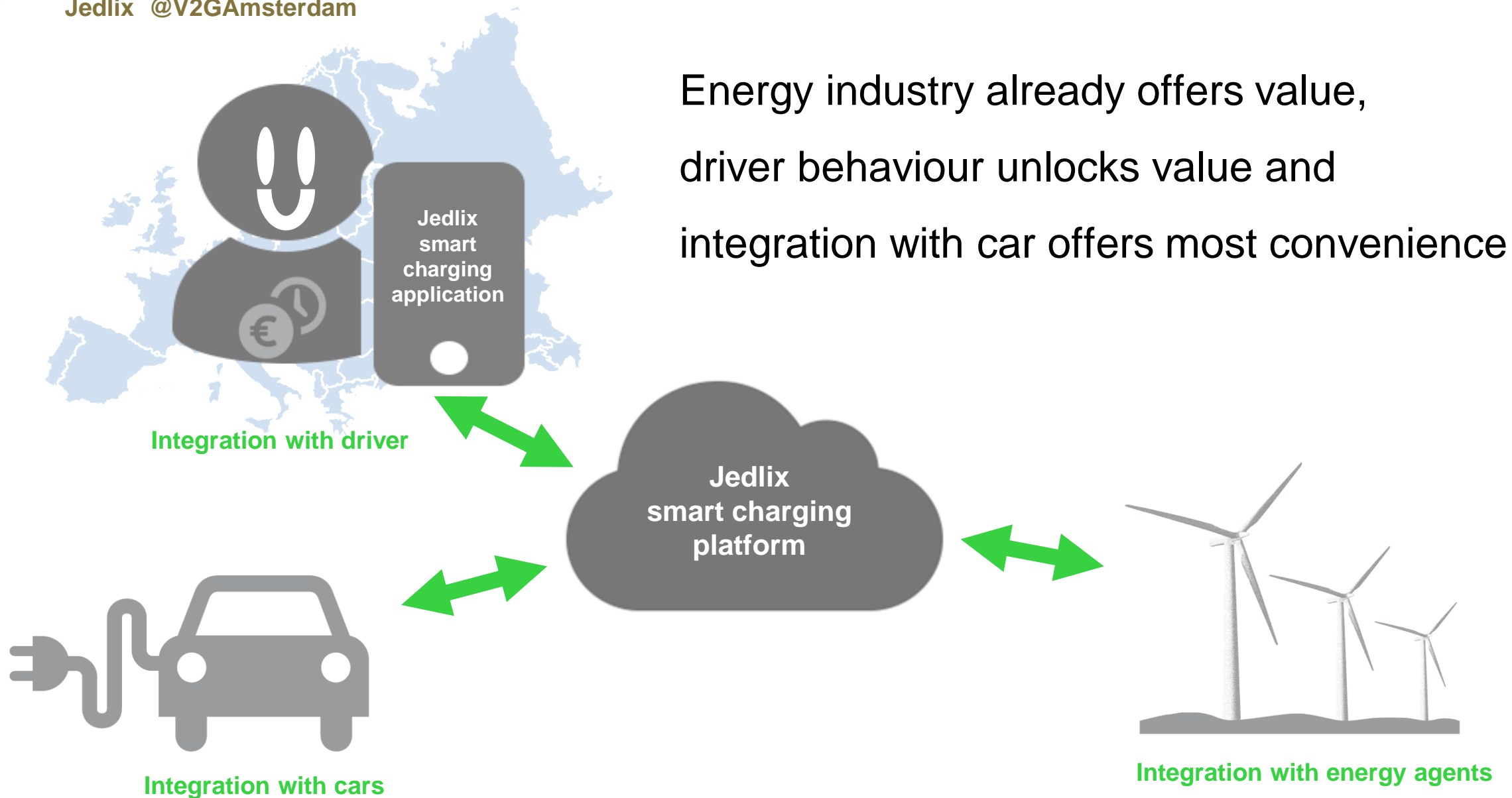
Example of e-drivers monthly reward



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# Driver and car are key to unlock value from energy

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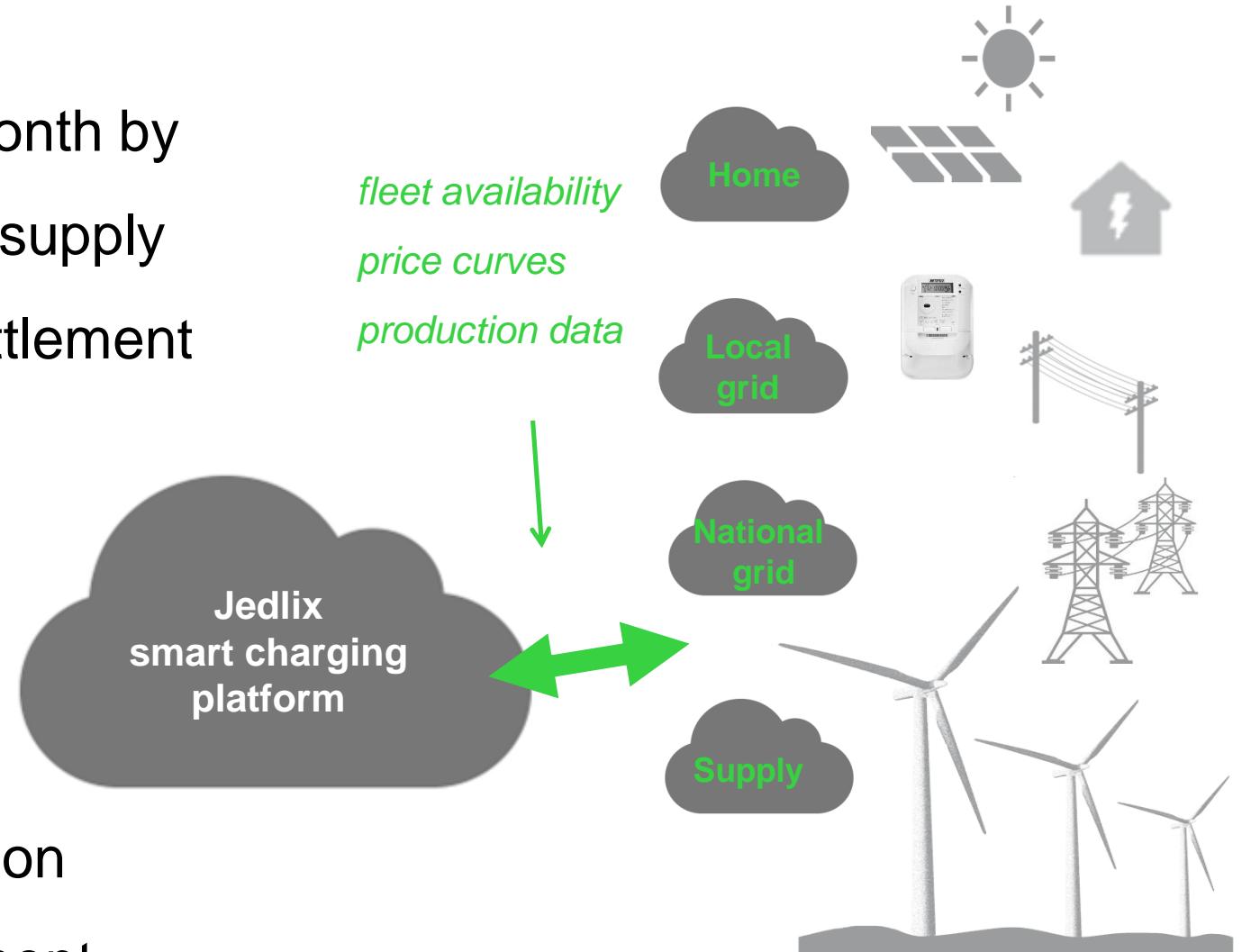
# One solution for all kinds energy markets

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Already €10 till €15 per month by  
balancing production and supply  
and using smart meter settlement

Extra future values

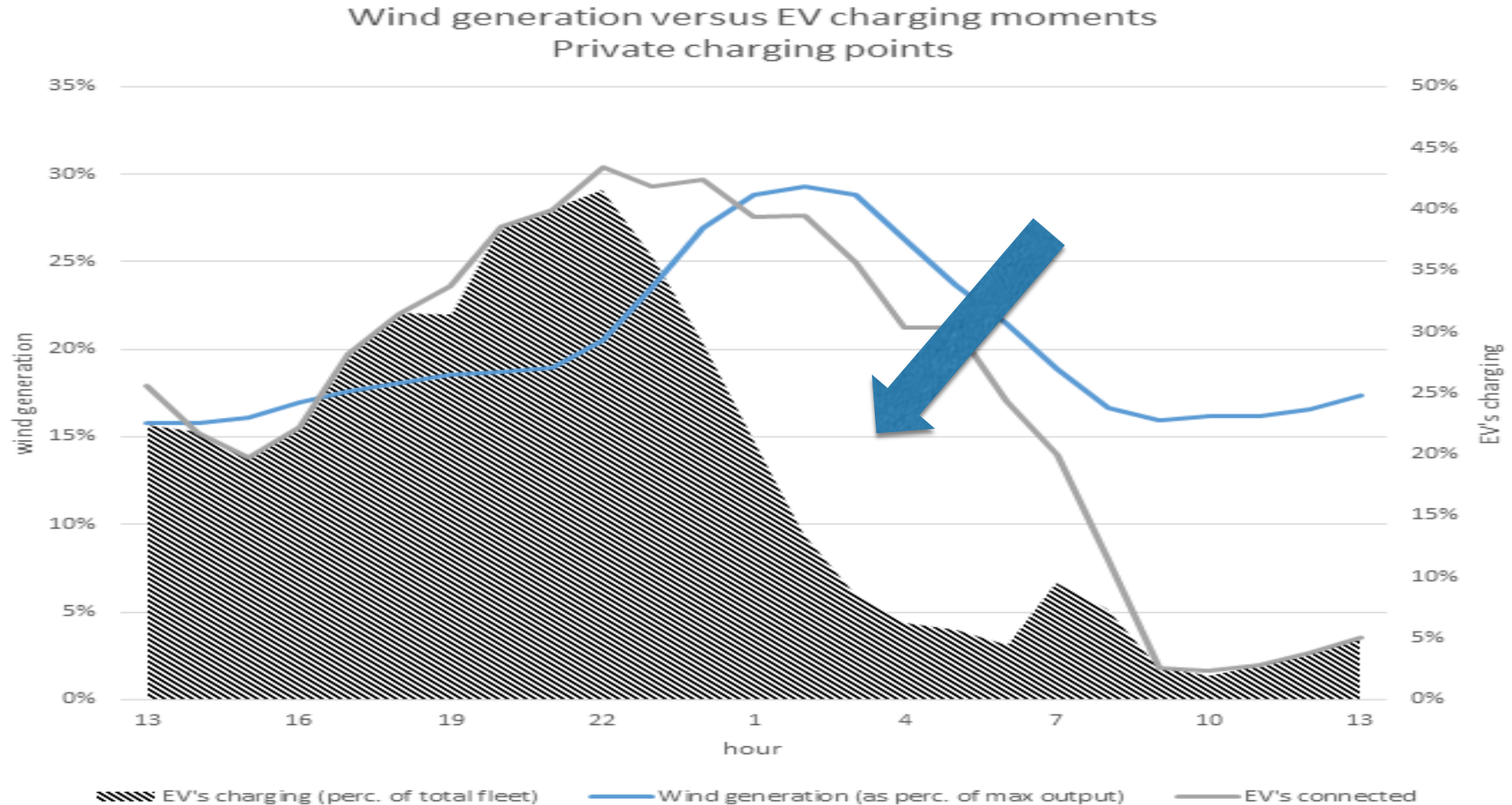
- reserve markets
- balancing local grids
- decentral solar production
- home energy management





# Value from balancing renewables is now

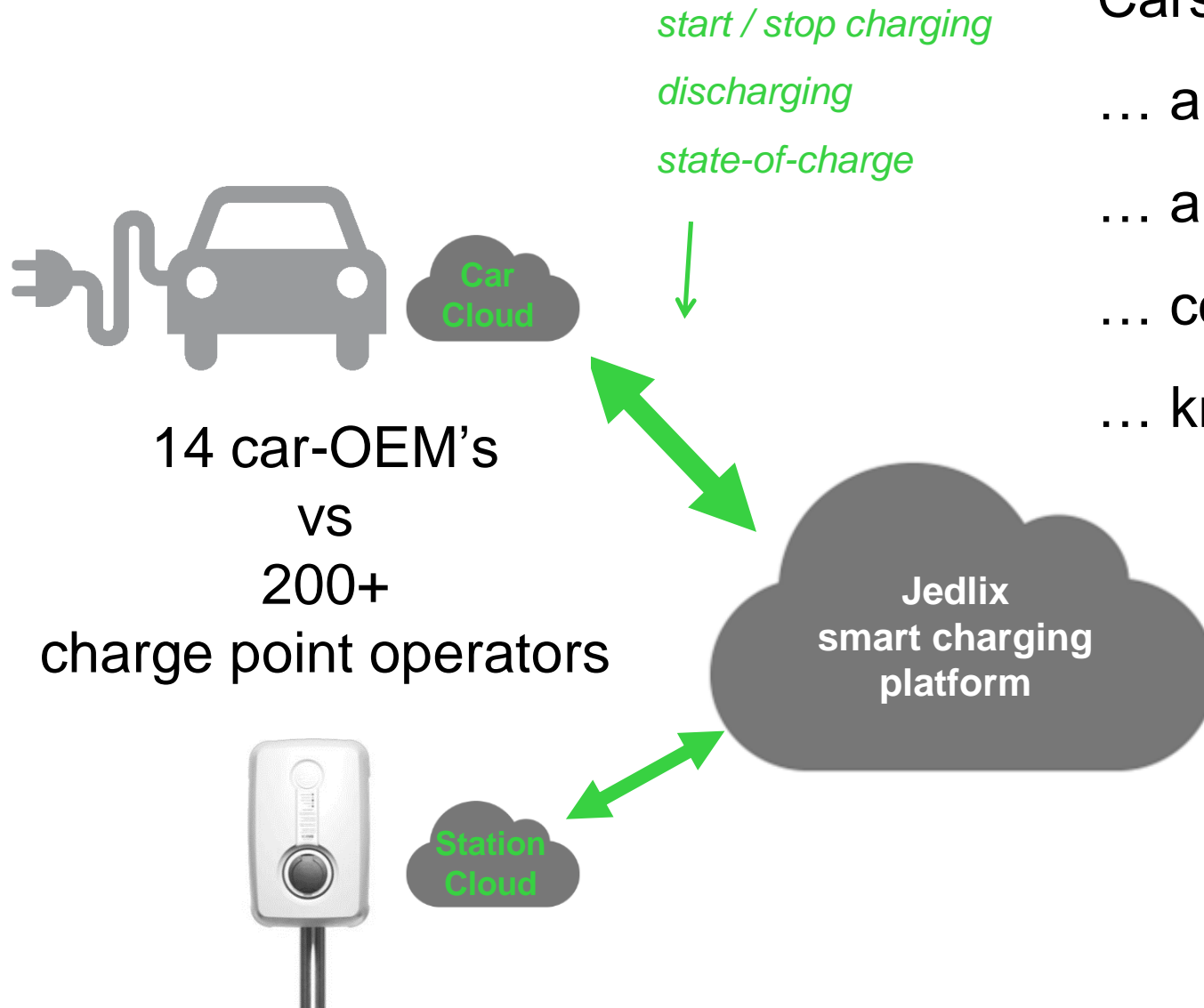
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# Default integration with the car

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Cars ...

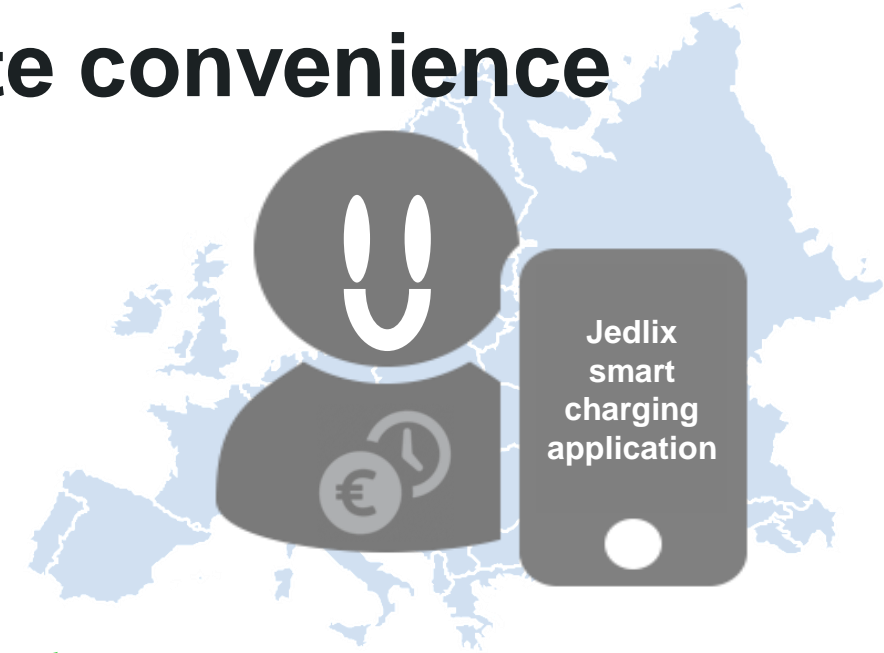
- ... are precious assets for drivers
- ... are connected (obliged by 2018)
- ... communicate their state-of-charge
- ... know their long-stay locations



# Automation offers driver ultimate convenience

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Free app with simple user interface  
with set-and-forget design  
and gamification of pay-out



*service on/off*  
*default departure time*  
*savings*

Future features

- Integrated in car-OEM's app
- Optimization by e.g. calendar integration

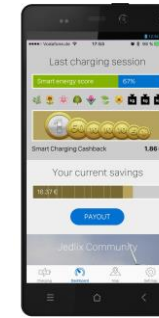
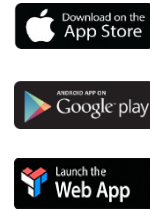


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# Where is Jedlix now?

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Live award winning app with 500+ Tesla and ElaadNL users in the Netherlands together with Eneco Energy

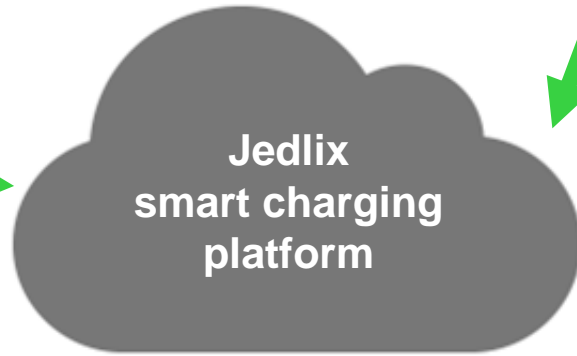


charge point operators (to be) integrated

3 partnering car-OEMs disclosed



new ones coming-up



Benelux energy partnership established, other major EV countries undisclosed/ coming-up



multiple pilots for local solar and V2G with e.g. DSOs



# Jedlix is ready for mature V2G

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**Convenience stays key**



**Mileage makes a difference**



**Hardware costs get lower  
Standardization kicks in**



**AC vs DC**



end

# Thank you

Jedlix

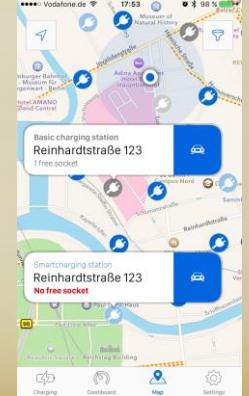
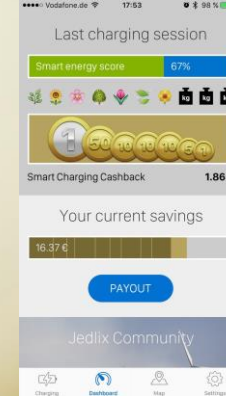
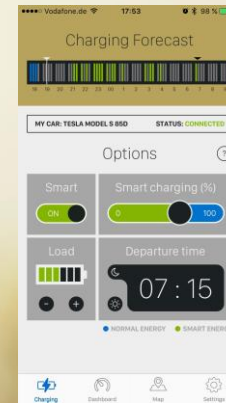
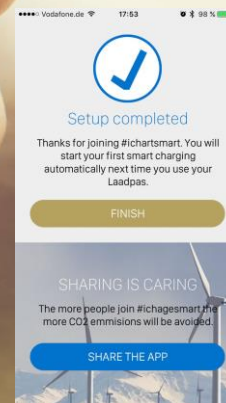
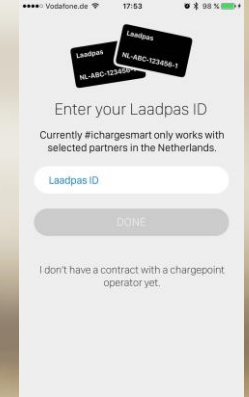
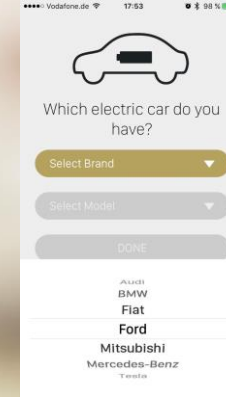
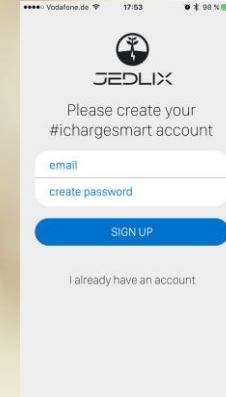
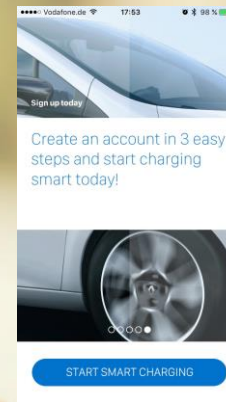
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