

Lightyear ∞

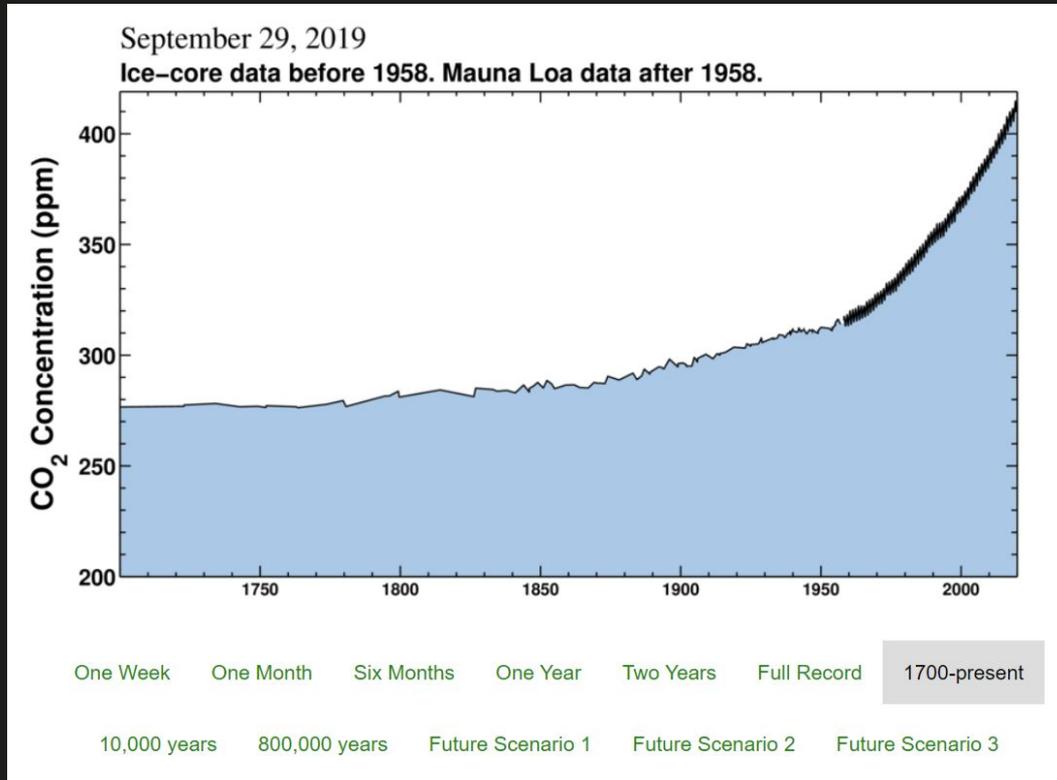
Lightyear

Lightyear

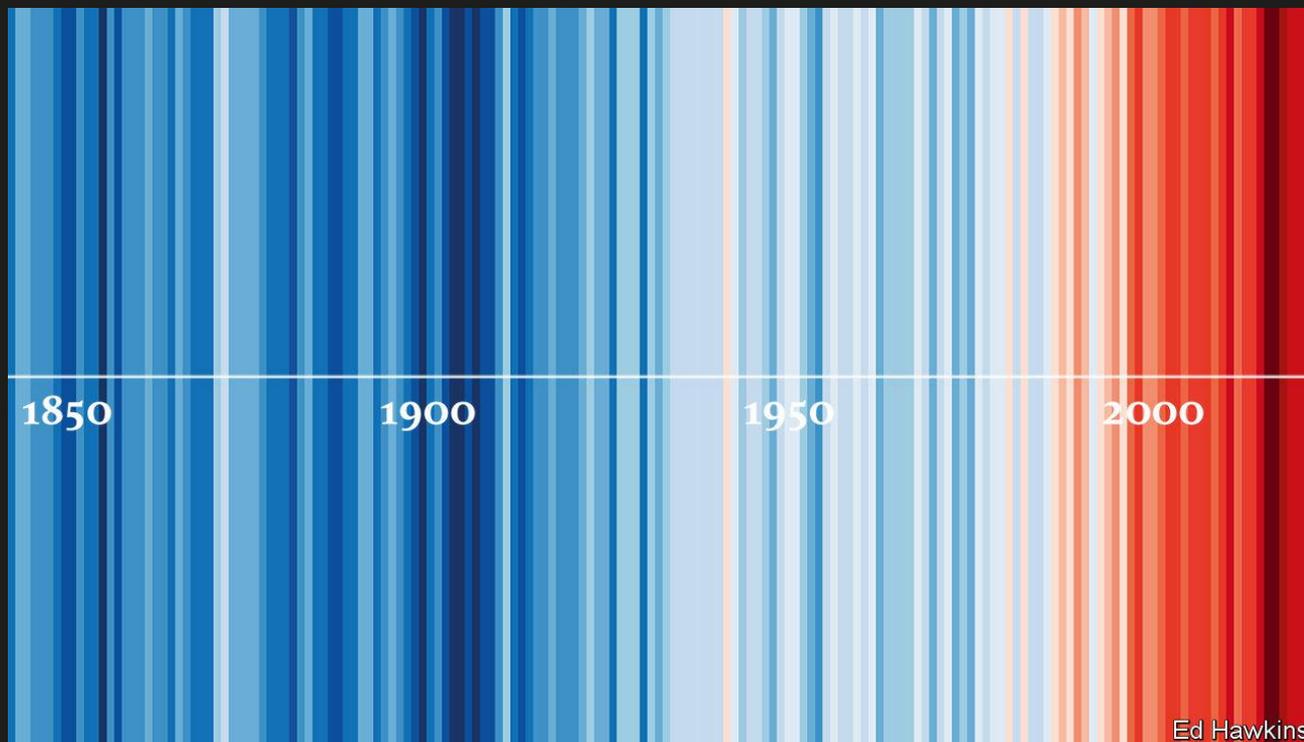
# Selling a cappuccino



# But I am worried



# But I am worried



# This is why we exist.

*“We are clearly the last generation that can change the course of climate change, but we are also the first generation with its consequences.”*

CEO World Bank

# This is why we exist.

*“The world must spend \$2.7 trillion on charging stations for electric cars to fly.”*

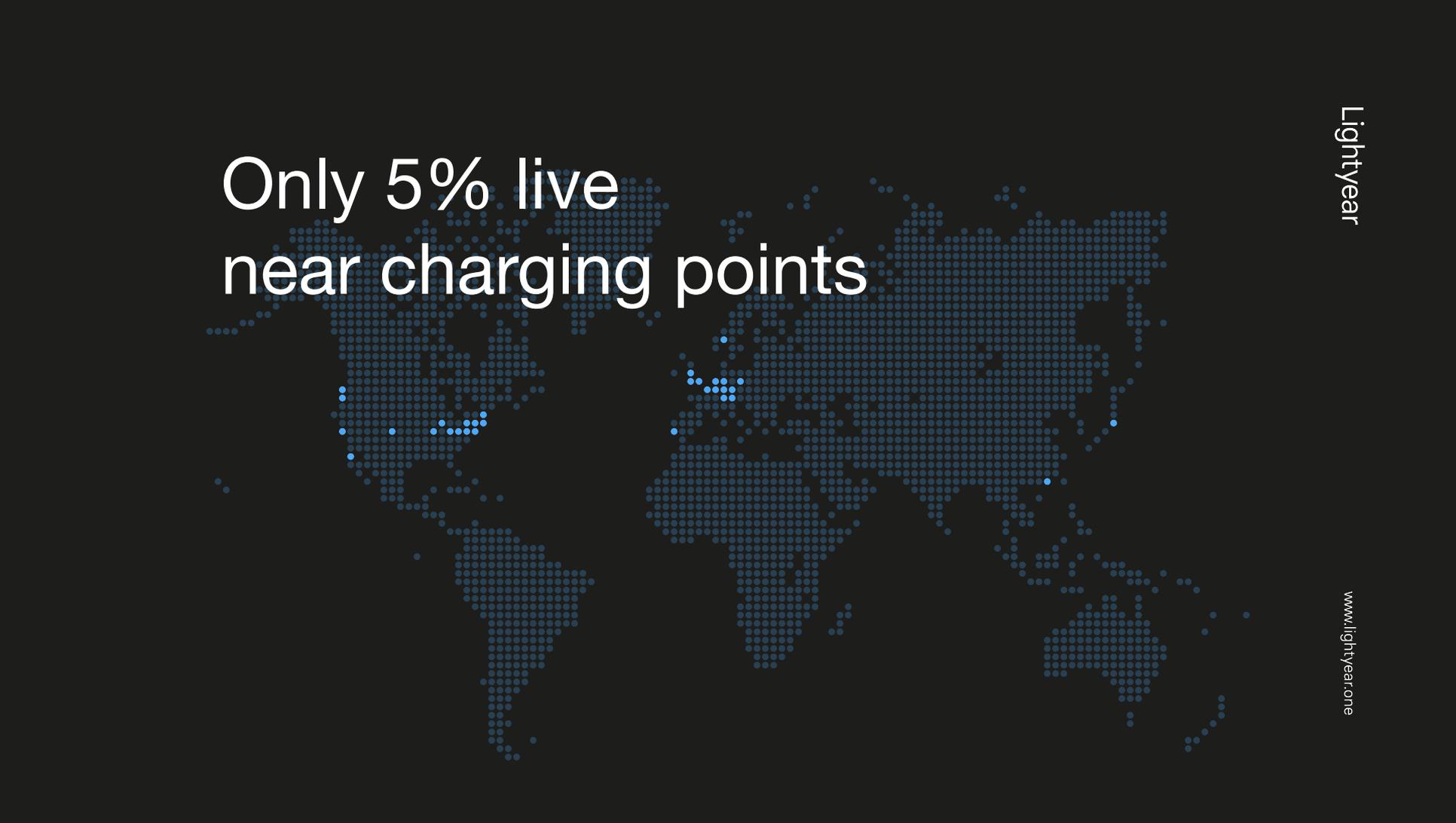
Bloomberg NEF

# This is why we exist.

Clean mobility for everyone.

Lightyear

[www.lightyear.one](http://www.lightyear.one)

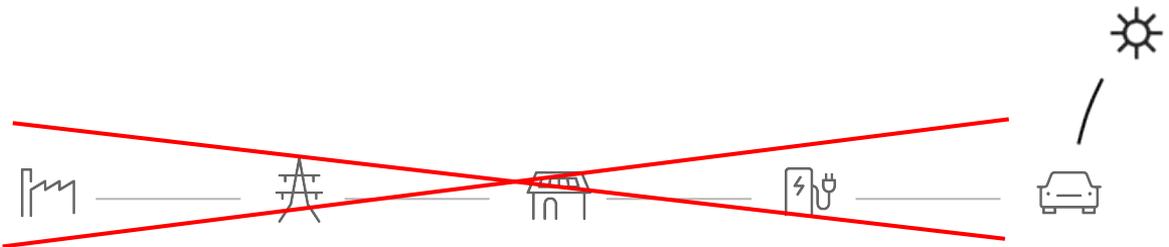


Only 5% live  
near charging points

Introducing ultra-efficient  
electric cars.

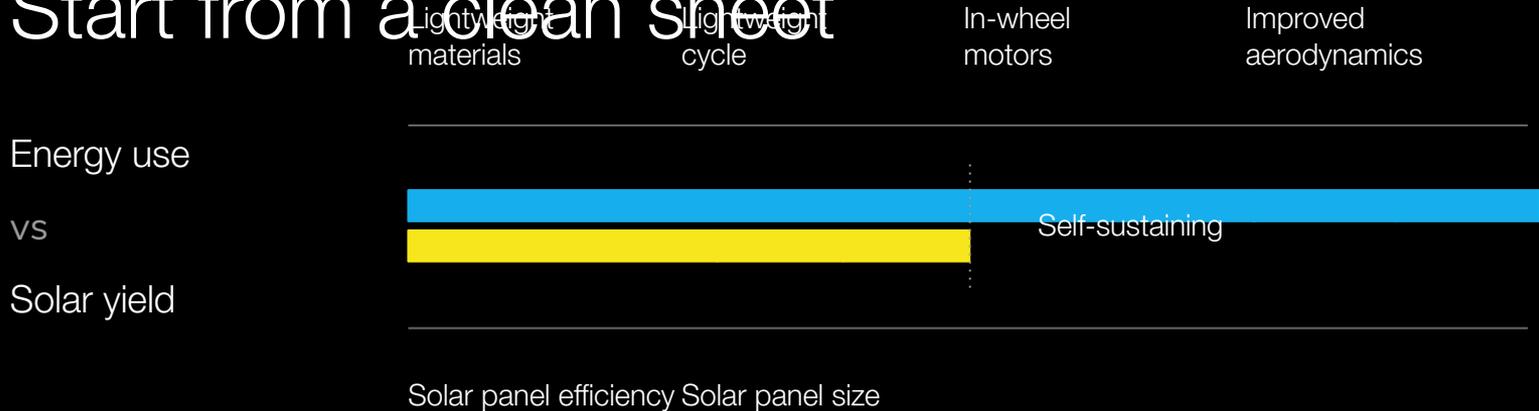


Lightyear ∞



# Re-imagine the car

## Start from a clean sheet



Legacy of winning:  
**Triple world  
champions**





Ceci, n'est pas une voiture.



# How we embrace efficiency.



Increase powertrain efficiency from 80% to >90%



Ultra-lightweight, robust chassis



Proprietary solar panel electronics



Most aerodynamic production car

Efficiency is key.

Lightyear

[www.lightyear.one](http://www.lightyear.one)

# Ultra efficient SEV Platform

Lightyear is a mission driven technology company, developing an ultra efficient automotive platform.

## Scalable

Designed to be modular base for different kinds of efficient electric mobility.

## Affordable

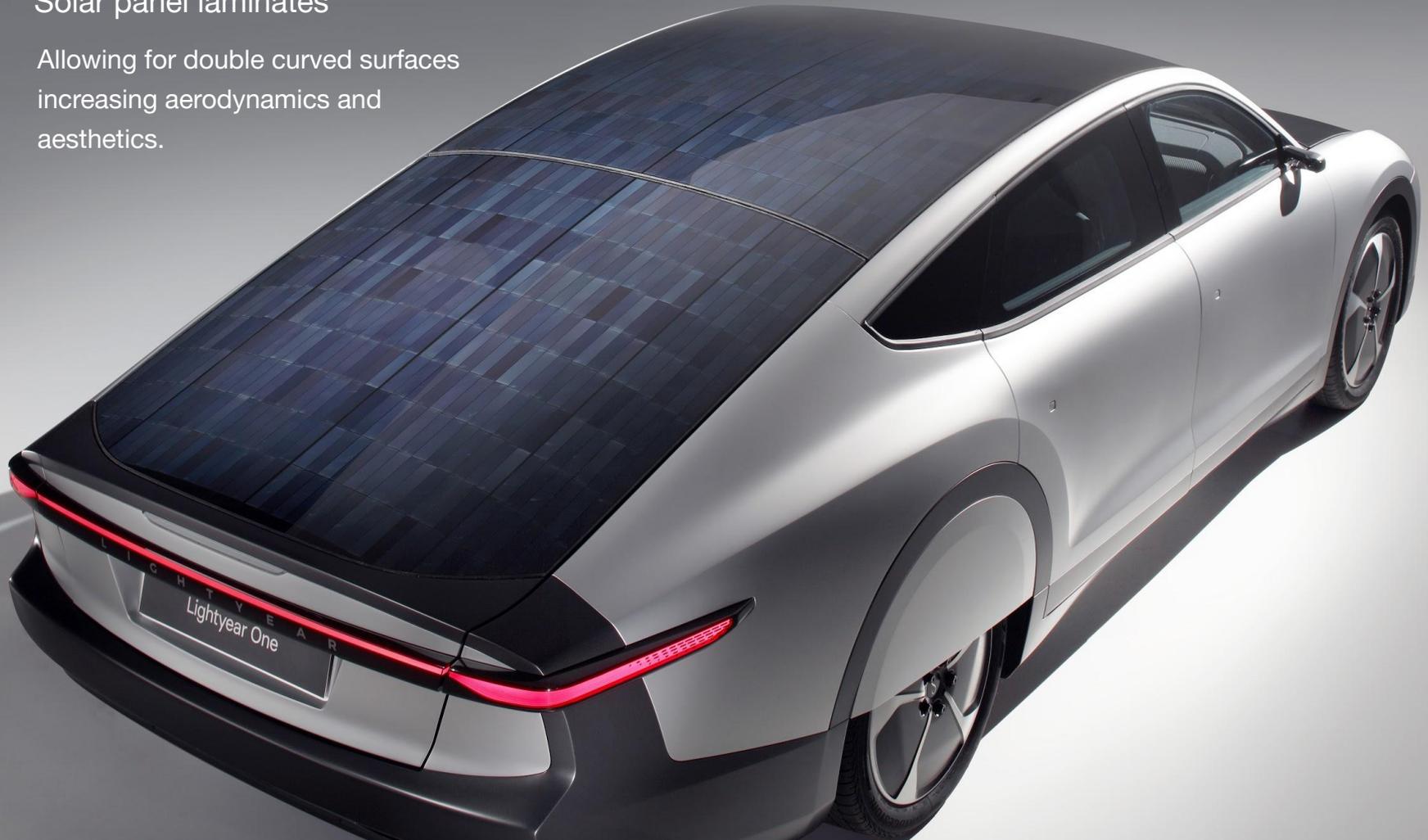
Smaller batteries, less moving parts and integrated solar cells mean inherently lower usage and maintenance costs.

# Core competences.

System-level optimisation and ultra-efficient components are core competencies of Lightyear.

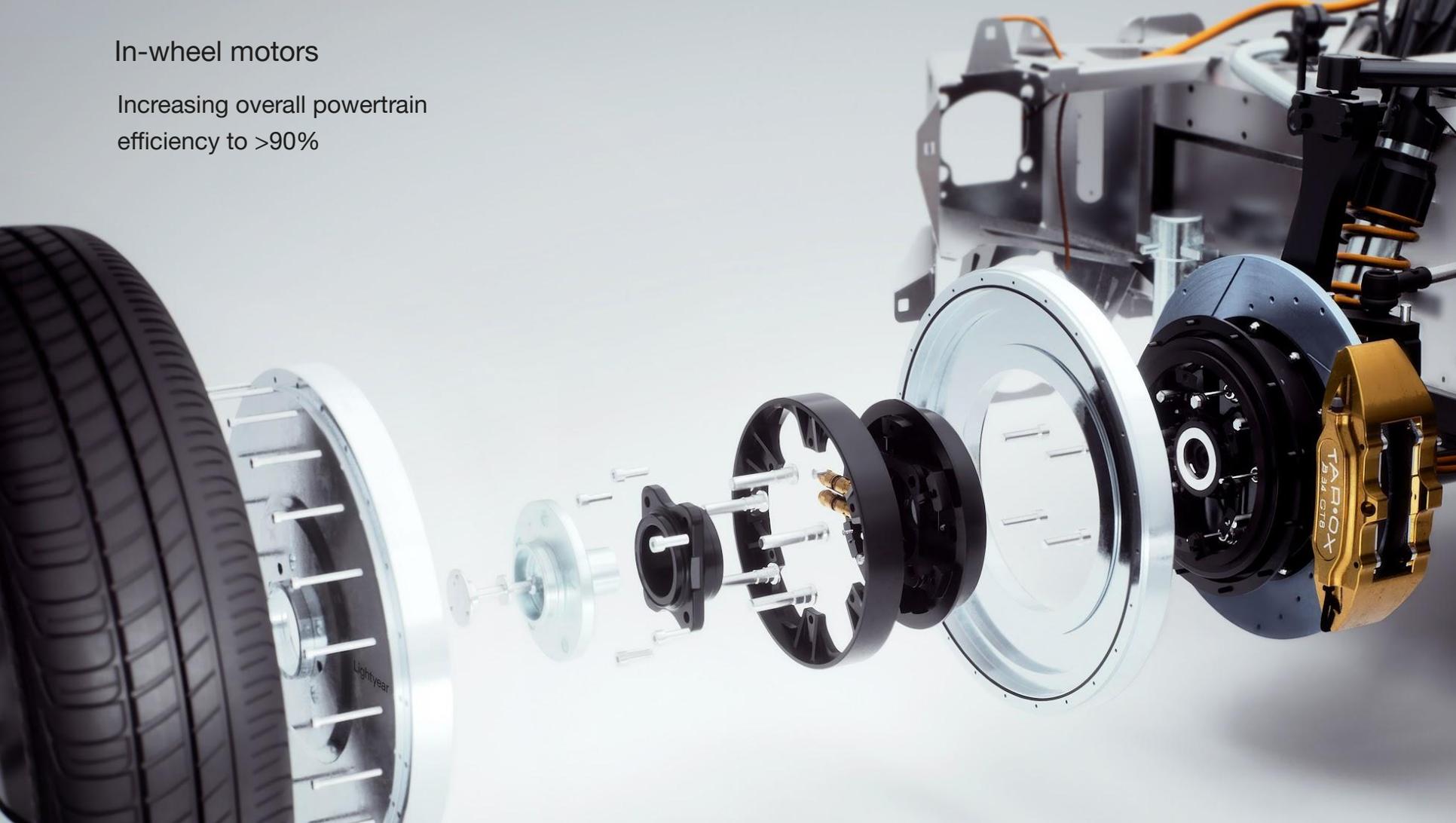
## Solar panel laminates

Allowing for double curved surfaces  
increasing aerodynamics and  
aesthetics.



# In-wheel motors

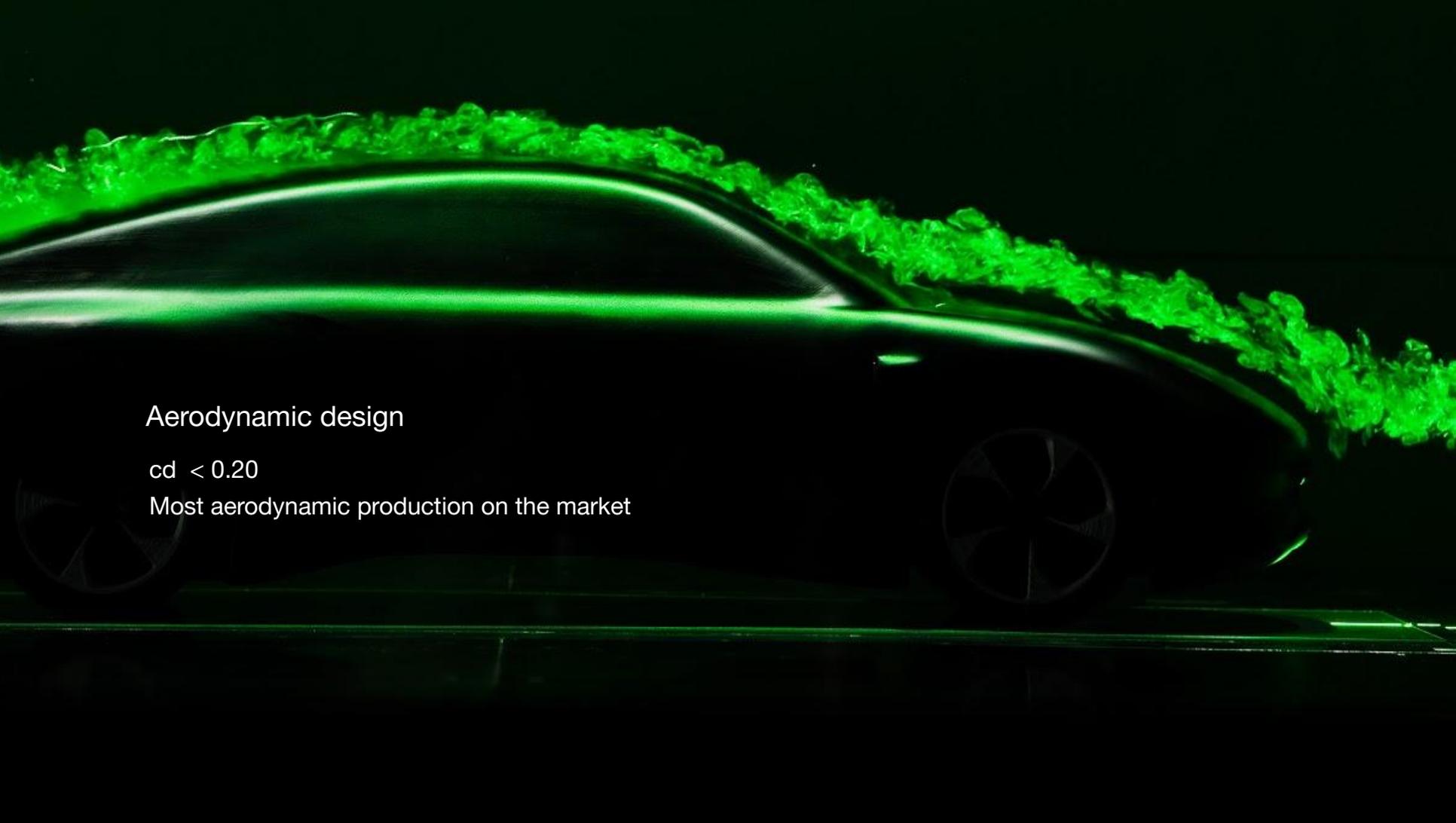
Increasing overall powertrain efficiency to >90%





Distributed solar cells power converters

Increasing conversion efficiency  
on curved surfaces from 80%  
to >95%.



## Aerodynamic design

$cd < 0.20$

Most aerodynamic production on the market

# EV Metrics

We outperform the competition on metrics that matter.



	Volkswagen E-golf	Nissan Leaf	Tesla Model S	Audi E-Tron	Jaguar I-Pace	Lightyear One
<b>Battery Driving range (km)</b>	190	130	490	375	380	580
<b>Aerodynamic Drag</b>	0.27	0.28	0.24	0.28	0.29	0.20
<b>Energy Consumption (Wh/km)</b>	168	165	194	223	223	103
<b>Charging speed @ 11 kW (km/h)</b>	36	19	48	42	14	90
<b>Operating costs per year*</b>	€3,600	€1,800	€2,400	€2,400	€2,544	€480
<b>CO<sub>2</sub> / year (kg)**</b>	7,022	3,511	4,681	4,681	4,962	1,053

All data retrieved from [ev-database.org](http://ev-database.org). [ev-database.org](http://ev-database.org) is an independent source of data about EVs and uses their own classification models for energy use and range.  
 \* Operating cost based on driving 30,000 km with a solar irradiance similar to The Netherlands Charging partly (50-50) at home for an electricity price of €0.20 and on the road for €0.60  
 \*\* CO<sub>2</sub> emissions based on the average, european energy (67% non renewable, 0.94 kg of CO<sub>2</sub> per kWh) mix and 30,000 km per year.

# The ultimate 20-day road trip.

20 days of care free range

Driving & charging

Mobile charging station

**1154**  
kilometers  
total distance

**0**  
grams CO<sub>2</sub>  
emitted

**0**  
charging  
stops

**9**  
surf spots



# How we are getting there

## A-players.

100+ engineers on a mission with 200 years of automotive experience between them.

## Pioneers.

120 sold Lightyear One's and counting. 75 investors and raising series B round as we speak.

## Partners.

A growing group of b2b partners that help us enable our mission and grow our ecosystem.

# A-players

100+ engineers on a mission  
with 200 years of automotive  
experience between them.



# Pioneers

120 sold Lightyear One's and counting. 75 investors and raising series B round as we speak.



# Some of our proud partners

We aim to build relationships that change both parties for the better.



Reservation of >20 Lightyear One's, joint PR, events and preferred lease partner for new customers



Technology partner for the development of Lightyear platform, reserved Lightyear for Board of Directors.

**Deloitte.**

Fully paid reservation of Lightyear One for complete Board of Directors. Discount on services & extended payment periods. Shared events & PR.

Lightyear

[www.lightyear.one](http://www.lightyear.one)

And counting...

# This is how we see the future of personal transport.

Connected cars

Electric vehicles

Mobility as a service

Autonomous driving

Lightyear

Excited?  
Join the movement

[bit.ly/SMA\\_event](https://bit.ly/SMA_event)

Thank you!

Please fill out this form

www.lightyear.one

