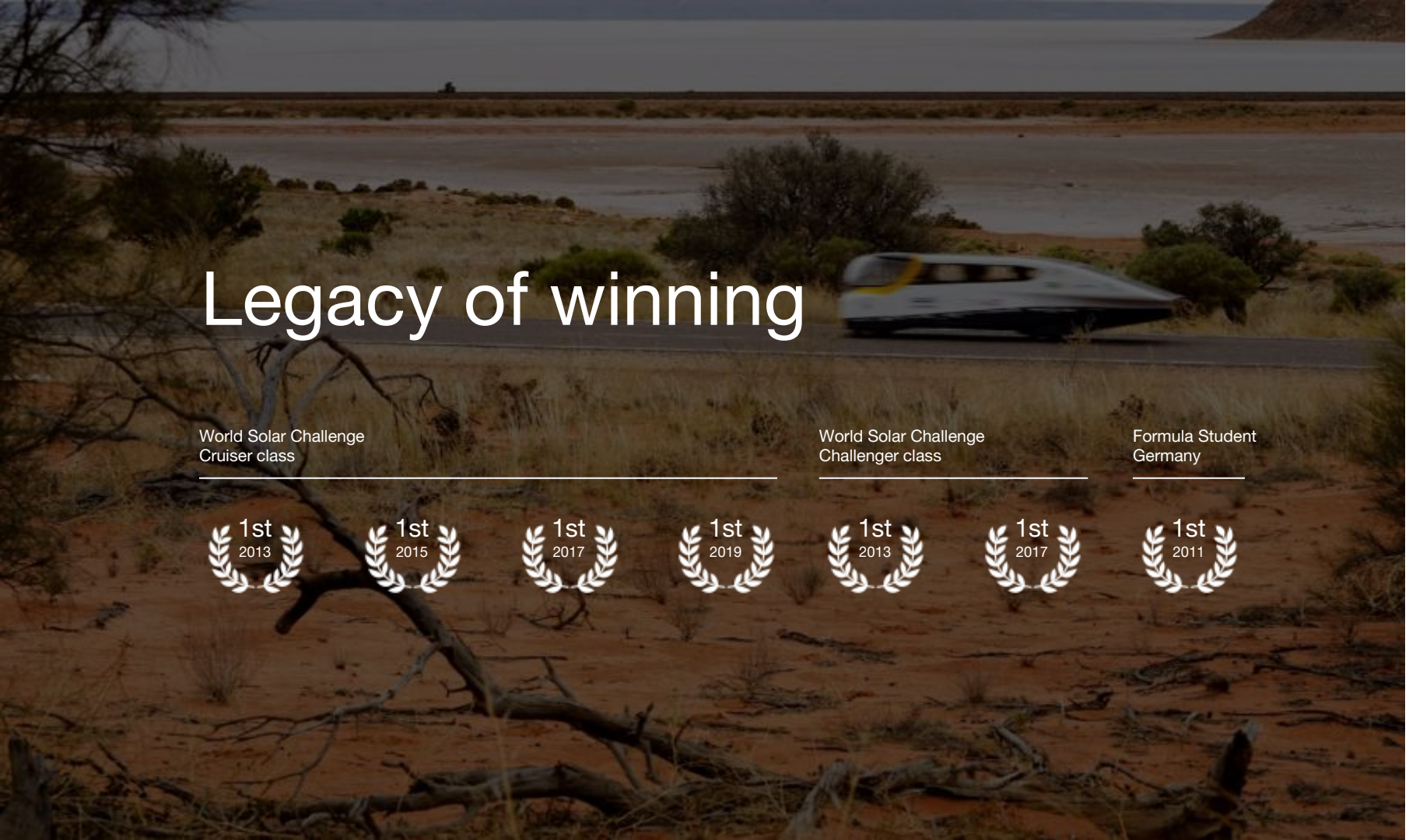

TIME
BEST
INVENTIONS
2019
Clean mobility
for everyone, everywhere.
Lightyear



Legacy of winning

World Solar Challenge
Cruiser class

1st 2013
1st 2015
1st 2017
1st 2019

World Solar Challenge
Challenger class

1st 2013
1st 2017

Formula Student
Germany

1st 2011

Lightyear

www.lightyear.one

We are not moving fast enough.

“1 in 6 deaths on Earth are linked to air pollution.”

— BBC

The UN forecasts irreversible effects of climate change.

“Externalities of fossil fuels cost $1.9 trillion per year.”

— IMF

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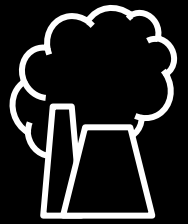
Current electric cars are not scalable.

High energy usage requires special charging infrastructure

Adoption rate heavily constrained by infrastructure development



Energy input is predominantly produced by non-sustainable sources

Using clean energy to charge electric cars.

Replacing power plants

Increased demand; upgrade grid

Roof panels needed for households

Install 1 billion charging points

Replace 1 billion cars

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Leapfrogging The grid.

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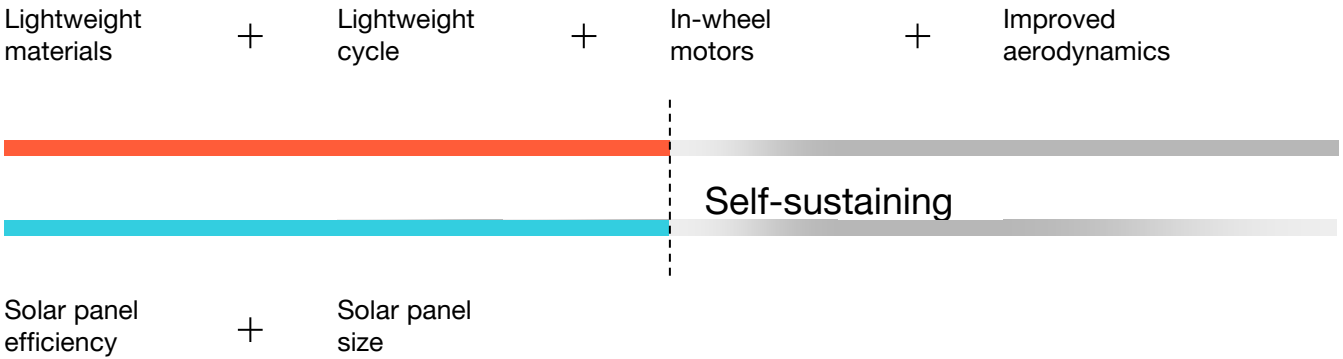
Efficiency is key.

Energy use vs. solar yield



Lightyear Platform

34 patents pending

Our technology uses existing components and key components that are IP protected.

Lightyear in-wheel motor technology

Peak efficiency powertrain of 97%
Weighted efficiency on WLTP cycle of 90-93%
4 in-wheel motors providing 190 Nm continuous, 480 Nm peak torque.

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Lightyear Layer solar technology

Fully automotive compliant double curved solar array achieving 220 Wp/m² — generating 9,266 miles in San Jose on average per year*

*Based on an average typical meteorological year in San Jose, CA — assuming 27% shadow, an average driving direction and specified EPA energy use

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Extreme aerodynamic design

Lightyear One’s design allows it to attain a record-breaking drag coefficient (Cd) of less than 0.20 and to be the most aerodynamic five-seater to date.

GRANSTUDIO

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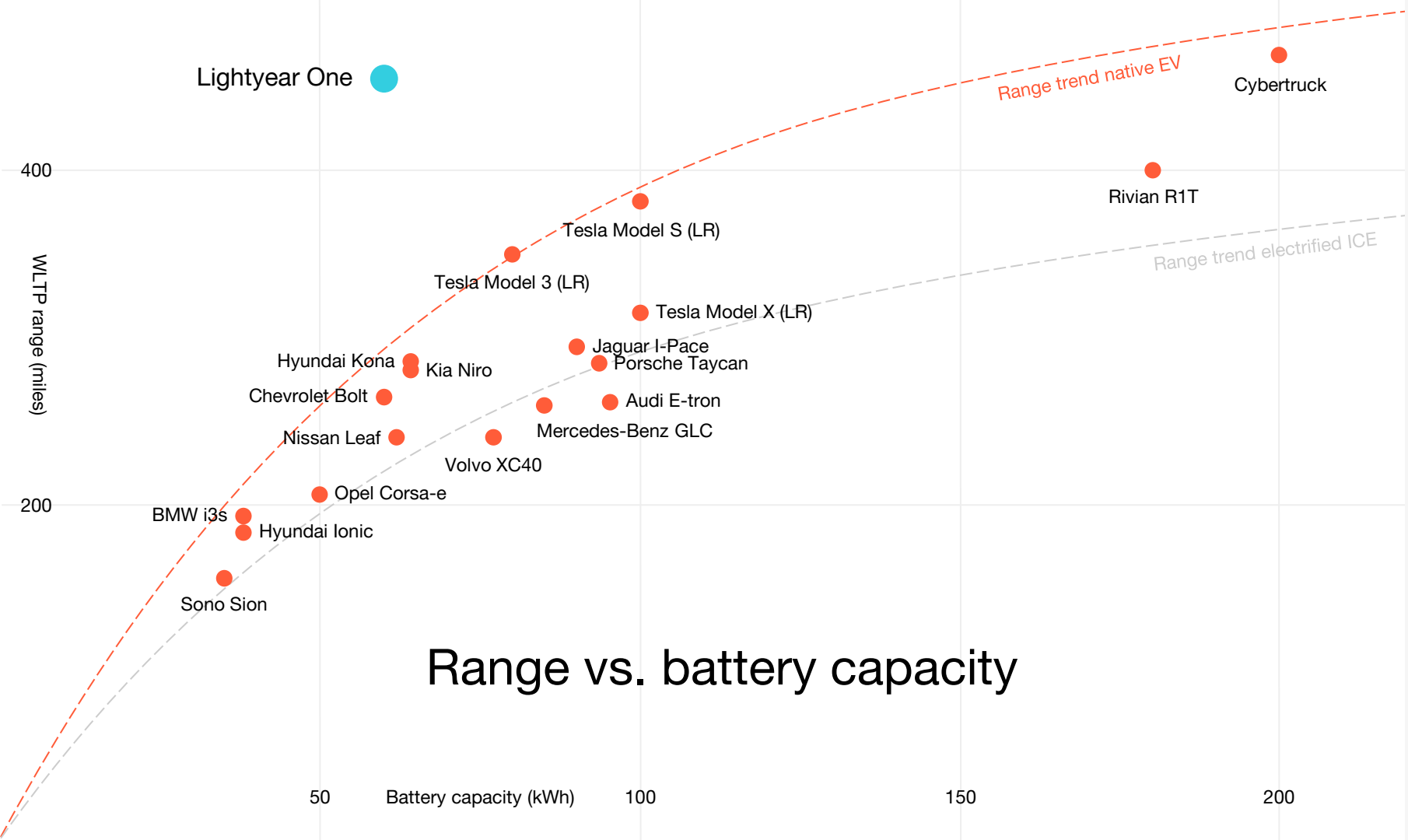
Lightyear One
Range trend native EV
Cybertruck
Rivian R1T
Range trend electrified ICE
Tesla Model S (LR)
Tesla Model 3 (LR)
Tesla Model X (LR)
Jaguar I-Pace
Porsche Taycan
Hyundai Kona
Kia Niro
Chevrolet Bolt
Audi E-tron
Mercedes-Benz GLC
Nissan Leaf
Volvo XC40
Opel Corsa-e
BMW i3s
Hyundai Ionic
Sono Sion
400
200
WLTP range (miles)
50
Battery capacity (kWh)
100
150
200
Range vs. battery capacity
Lightyear
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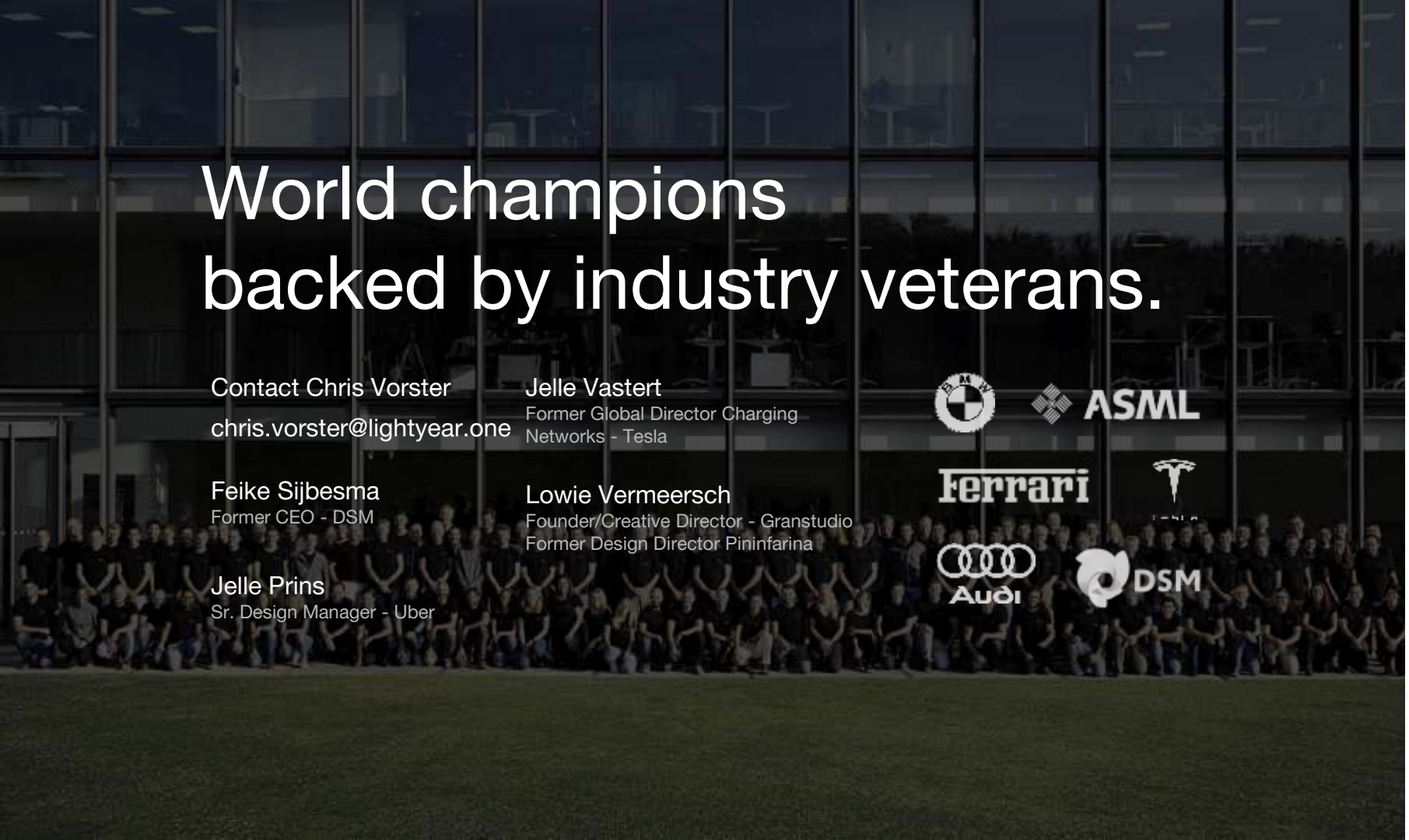
Market approach

1

— Brand launch
— Technology development
— Exclusive volume (946 units)

2

— High volume
— Lowest TCO
— Reduced price (starting from €30K)



World champions backed by industry veterans.

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Feike Sijbesma
Former CEO - DSM

Jelle Prins
Sr. Design Manager - Uber

Jelle Vastert
Former Global Director Charging Networks - Tesla

Lowie Vermeersch
Founder/Creative Director - Granstudio
Former Design Director Pininfarina

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Write the story
With us
Lightyear