CONGRES LAADINFRA '24

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Our Mission

Inspire students, organizations, and society with our unique racecars

Accelerate the energy transition in the automotive industry

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1:48:371

ZANDVOORT

1:43:059

TT-ASSEN

Fusion

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CHALLENGES OF ELECTRIC MOBILITY

EXTENDING ELECTRIC REACH

REDUCING CHARGING TIME

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REDUCING CHARGING TIME

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Revolution

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FAST CHARGING = TOO SLOW!

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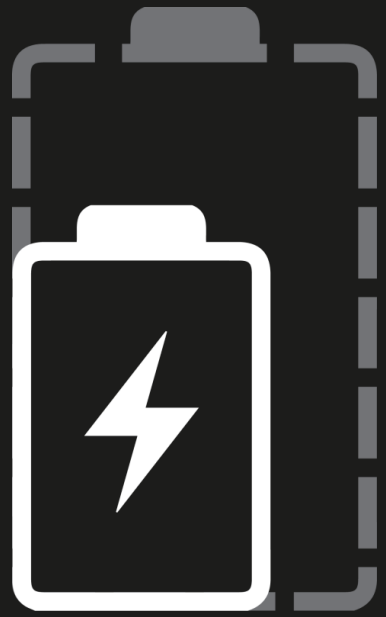
Why?



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'ELECTRIC REFUELING'

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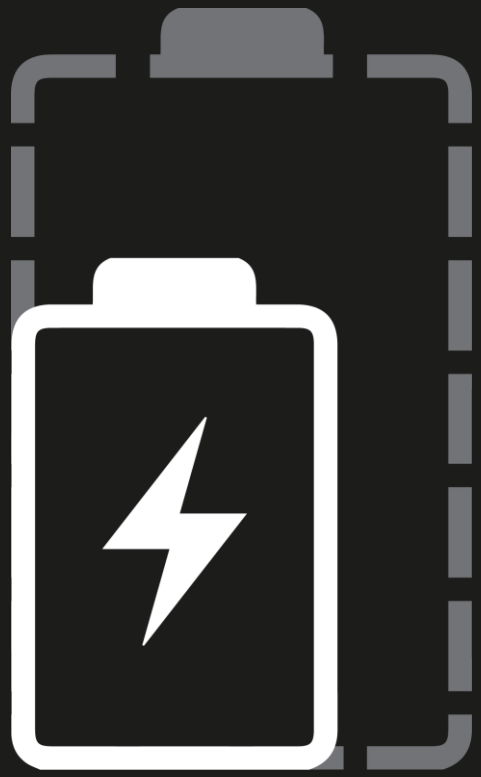

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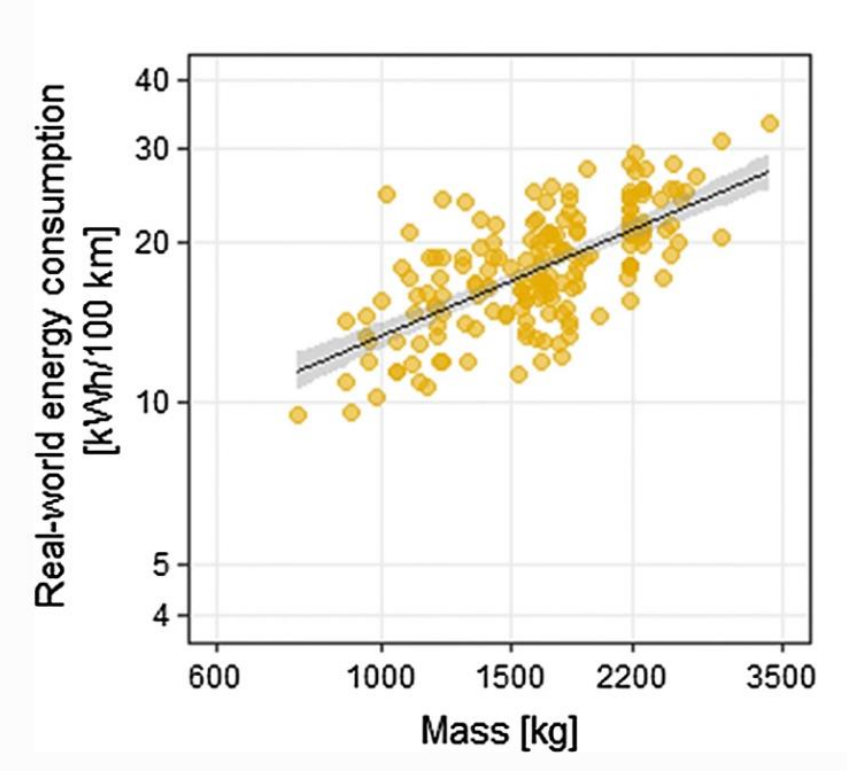

Bron: Weiss et al., 2020

*"a **doubling of vehicle mass** leads to a **46% increase** in the real-world energy consumption of electric cars (power-law Model 6)" Weiss et al., 2020*

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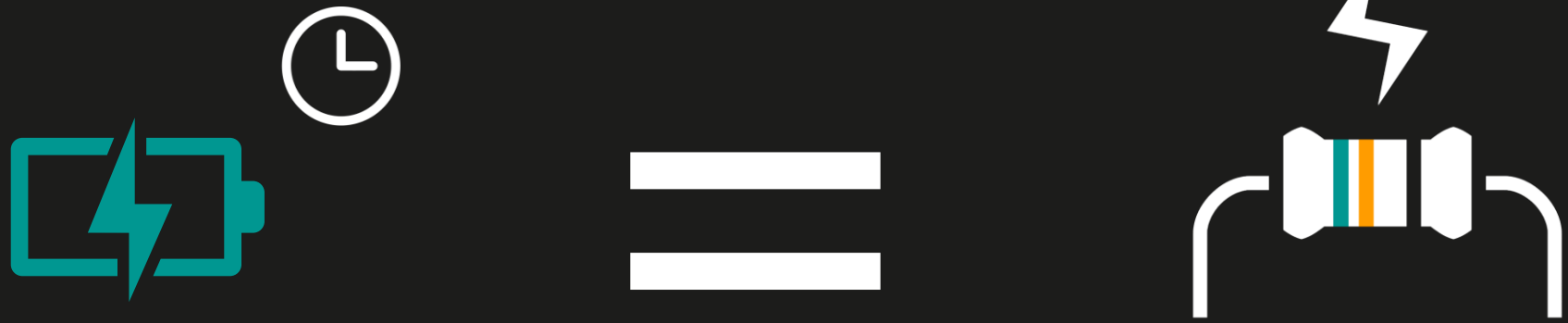
Challenge



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Challenge

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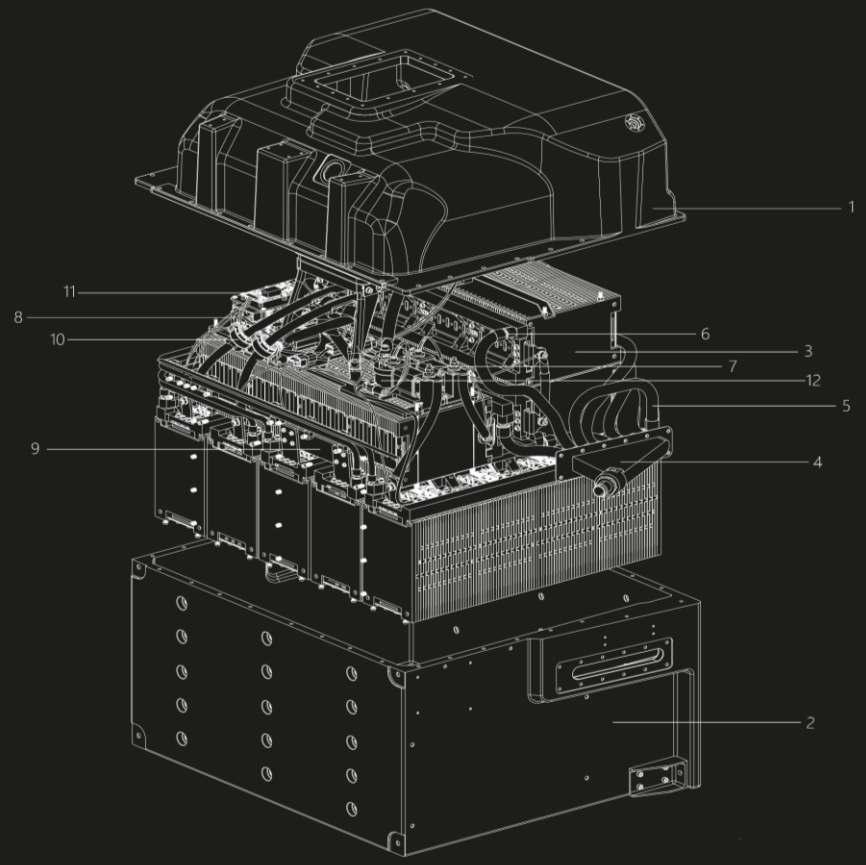
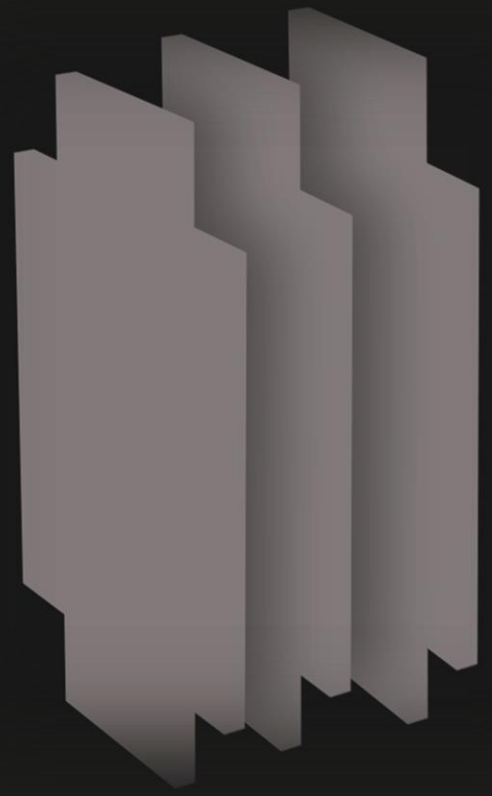
Solution



NGBP



CELL-LEVEL COOLING

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4 MIN
CHARGING TIME

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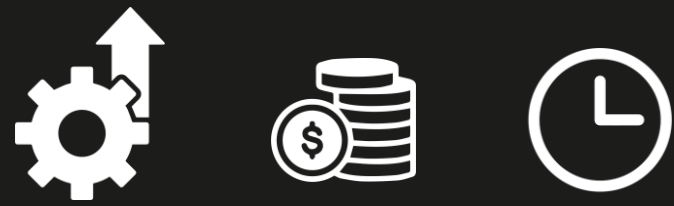

Our Vision

"Showcasing **Electric Refueling** in the toughest racing conditions, thereby creating an attractive image for electric vehicles and **dream** to participate in the 24h of Le Mans"


DESTEN
TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY
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PRODRIVE TECHNOLOGIES
NXP
AUTOMOTIVE CAMPUS
SIEMENS
ALTEN
TE connectivity
KENNOL PERFORMANCE OIL
EMIXA
THT NEW COOL
RE-AVES
BICON
ICT GROUP TTTech
Brabant Neitraco Groep ENGINEERING BV BEST
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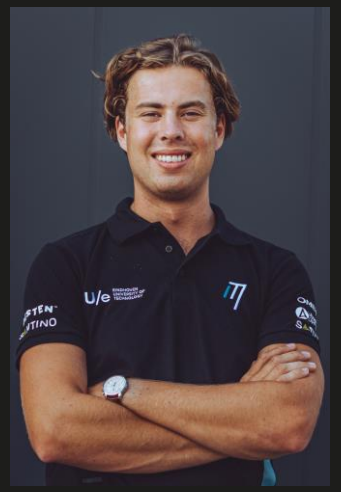
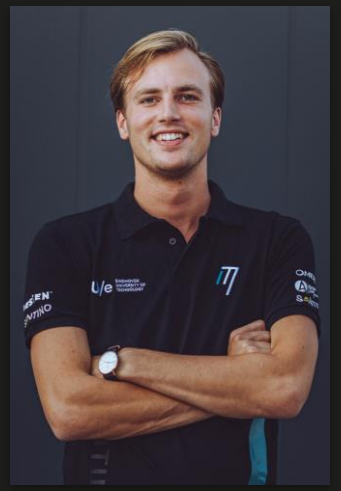
STAY IN THE FAST LANE OF INNOVATION!





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