



# DeepDrive

Rethinking electric mobility

May 2022





# Developing a new vehicle is a big challenge

Electric (and autonomous)  
driving enables  
**new vehicle concepts**

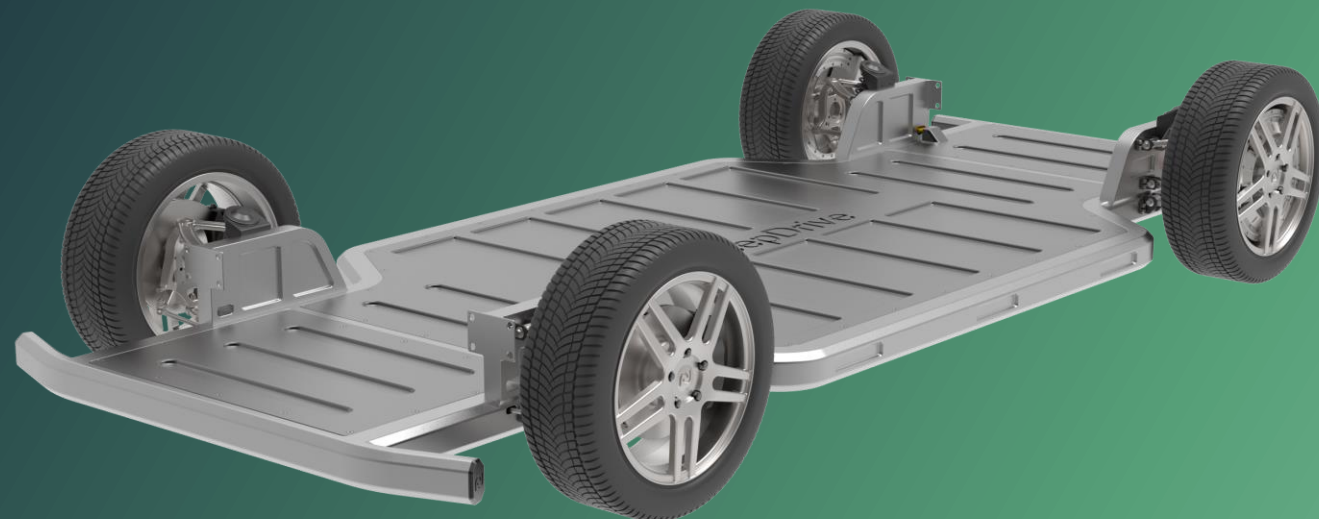


but...

It's expensive and  
time consuming  
to develop new vehicles



We solve this problem with a standardised vehicle platform



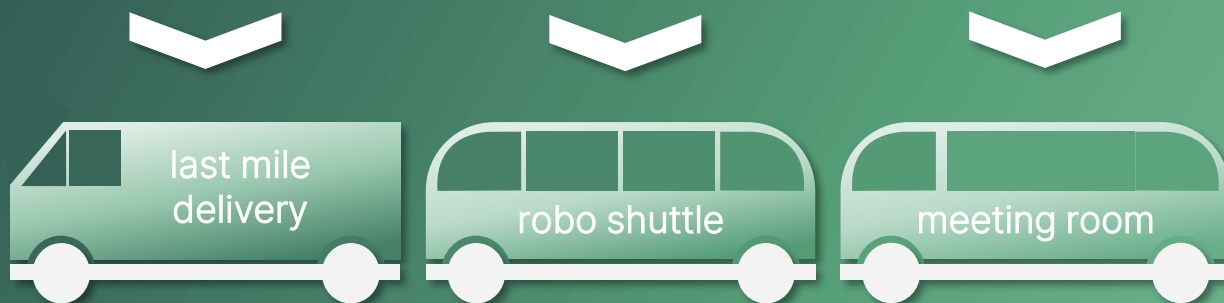
Resulting in

~50%

less development cost of a new vehicle concept

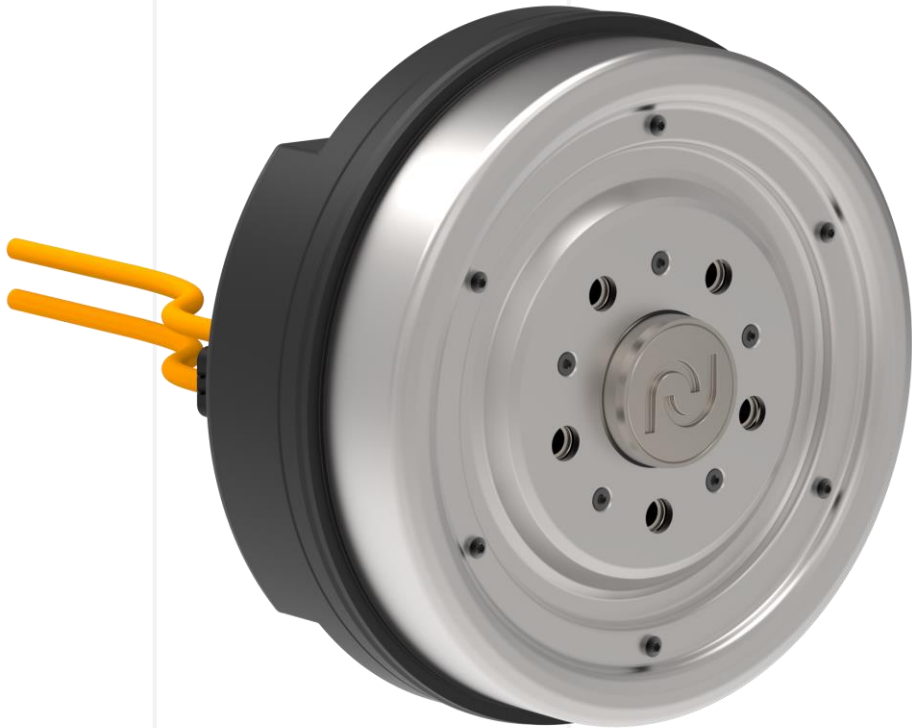
>24 months

faster time to market





# DeepDrive in-wheel motor technology



## Best in class Efficiency

- ▶ Up to 20% range increase in real world driving cycles

## Economic

- ▶ Material saving motor topology optimized for economic mass production

## Compact & Powerful

- ▶ Scalable technology for power up to >200kW and torque >1800Nm

## Lightweight & Space-saving

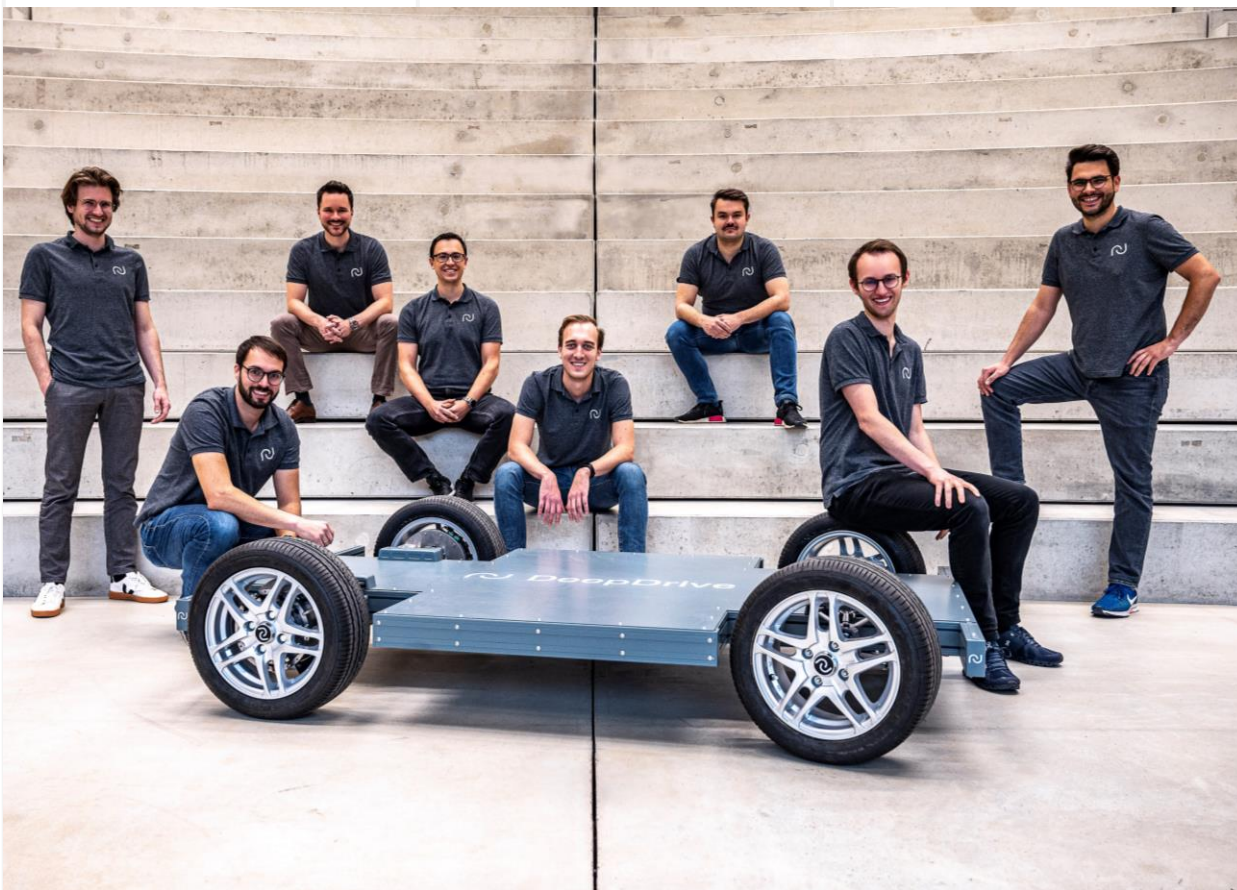
- ▶ Low overall powertrain weight
- ▶ Significant space increase through in-wheel integration

Note: 1) Lithium-Iron-Phosphate / Sodium-Ion-Battery





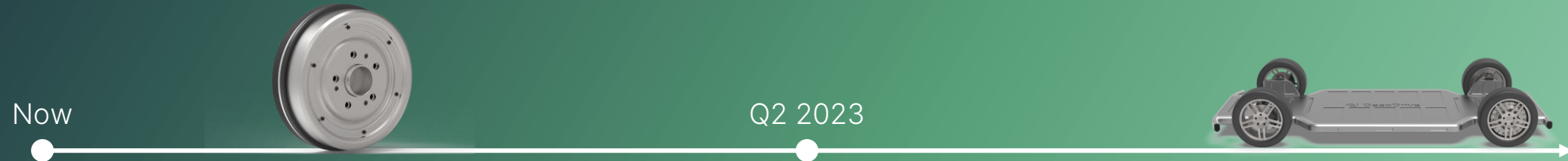
## Projects with large automakers less than 10 months after incorporation



- ✓ Significant customer traction  
*Projects with leading and upstarting OEMs*
- ✓ Prototypes ready & patents pending  
*Prototypes validated by Fraunhofer Institute*
- ✓ Partnerships set up  
*Partnered with leading Tier 1 suppliers*
- ✓ Seed funding closed (€4.3m)  
*Great investors onboard – scaling up to workforce*



# Phased plan to minimise risk



## Phase 1



## Phase 2

### Goals

- ▶ Mature technology
- ▶ Sell powertrain prototypes
- ▶ Set up the right team

- ▶ Industrialise powertrain
- ▶ Scale up powertrain series production
- ▶ Position for the platform



# Who are we targeting with our technology?

## 1 Established and upstarting Automotive OEMs



Total market for Automotive electric powertrains forecasted to be >€35bn



Logos exemplary and not necessarily customers – significant interest from a number of players

## 2 Micro-mobility OEMs



Total market for Micro-mobility electric powertrains forecasted to be >\$9bn



CITYTRANSFORMER



PIAGGIO®

unu

Logos exemplary and not necessarily customers – significant interest from a number of players



# The founding team: teep technical expertise and motorsport spirit

Met in 2014 building electric race cars  
for TUM's student motorsport team...



**#1**

Formula Student  
world ranking

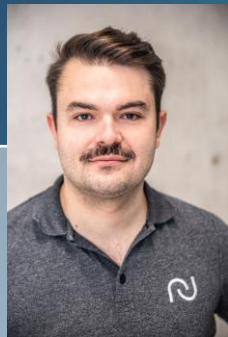
**#1**

Engineering  
Design

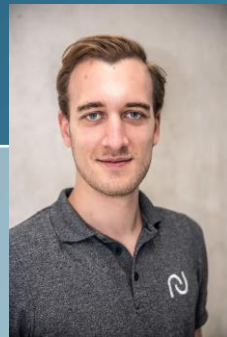
...and gained significant large-series  
industry experience since

**35 years**

combined  
industry experience



Stefan  
Ender



Felix  
Pörnbacher



Dr. Alexander  
Rosen



Christopher  
Römmelmayer



Dean  
Petrovski



Markus  
Domme



Maximilian  
Habersbrunner

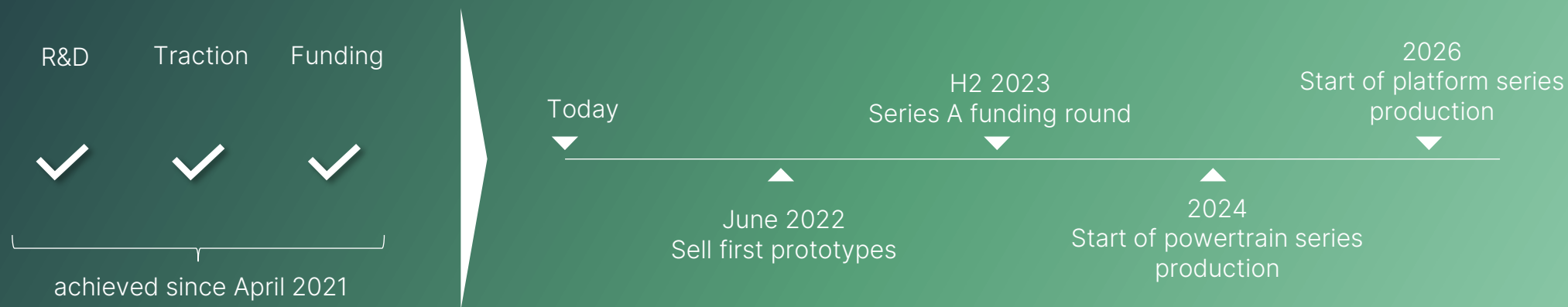


...plus a team of 8 employees





# Keep the momentum going into the next phase



We strongly believe only collaboration will bring us next-generation, sustainable mobility.

Reach out if you are interested to partner with us, to buy from us, to invest in us or are just interested to learn more.



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