





# Vehicle Dynamics research group

DII - Dipartimento di Ingegneria Industriale  
Università degli Studi di Napoli Federico II



**MEGARIDE**  
APPLIED VEHICLE RESEARCH

an official UniNa spinoff company

# Vehicle Dynamics research group

AUTOMOTIVE SIMULATIONS

GRIP FOR MOTORSPORT & SAFETY

SMART & CONNECTED MOBILITY





# WHAT WE DO - FOR CAR&TIRE MAKERS



**FROM VEHICLE DATA  
TO ROAD GRIP**



**SAFETY LOGICS  
AND SMART MOBILITY**



**COST AND TIME SAVINGS IN  
DEVELOPMENT STAGES**



PATENTED





# WHAT WE DO - IN REALTIME SIMULATIONS



ADVANCED DRIVING EXPERIENCE



VEHICLE DIGITAL TWIN

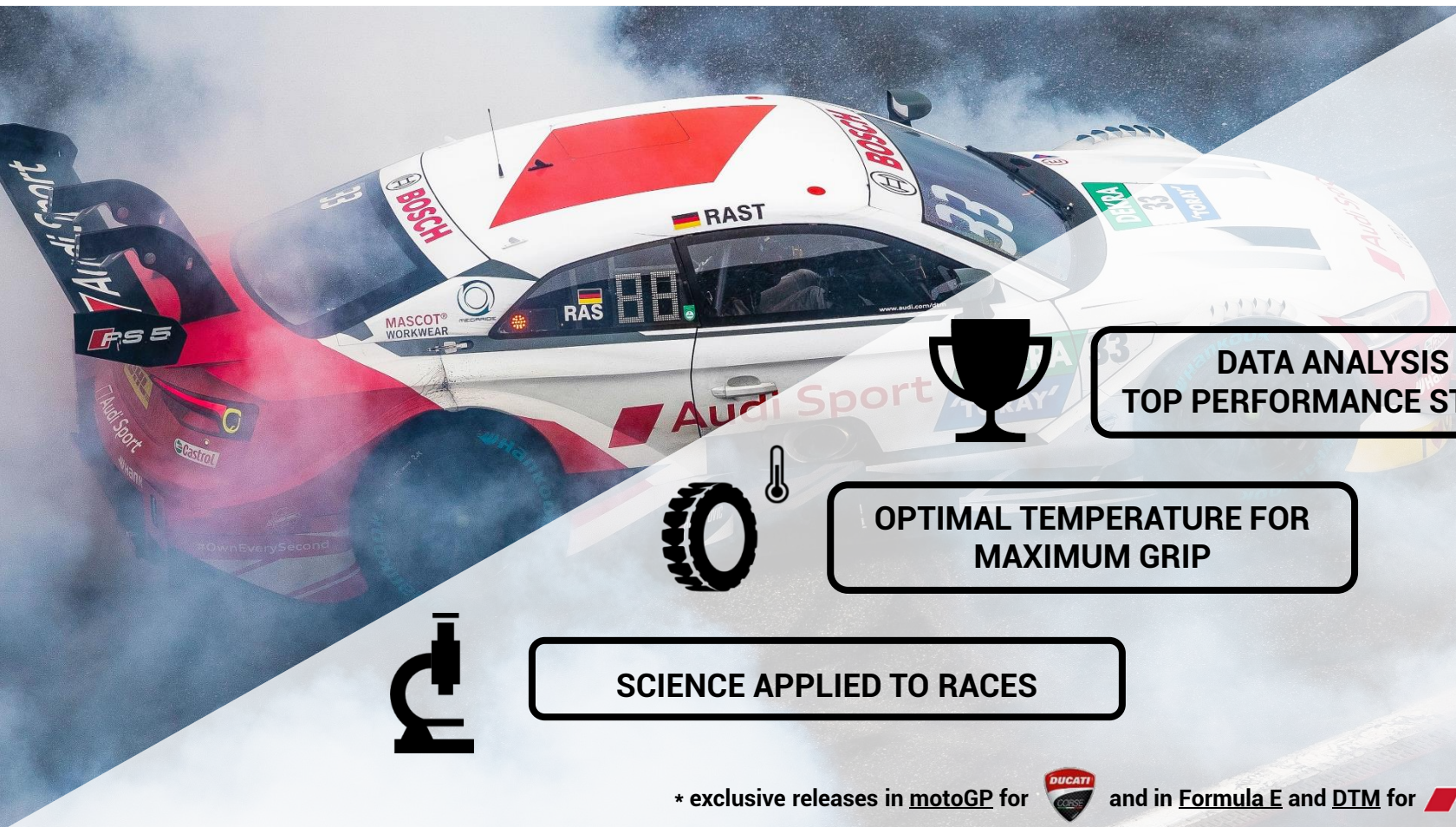


VIRTUAL TIRES DEV





# WHAT WE DO - FOR MOTORSPORT



**DATA ANALYSIS FOR  
TOP PERFORMANCE STRATEGIES**



**OPTIMAL TEMPERATURE FOR  
MAXIMUM GRIP**



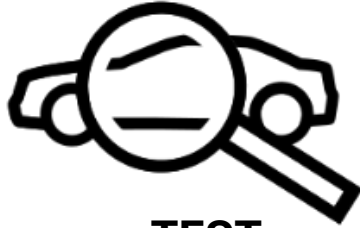
**SCIENCE APPLIED TO RACES**

\* exclusive releases in motoGP for

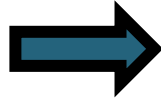


and in Formula E and DTM for **Audi Sport**

# THE INNOVATIVE PROCESS



**TEST  
ON VEHICLE**



**ANALYZE**



**GET DATA  
ON TIRES**



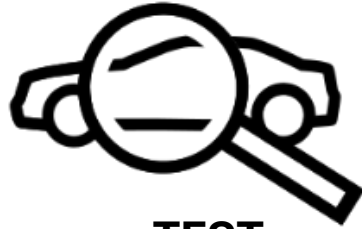
**REPRODUCE**



**ADVANCED  
SIMULATION**



# THE INNOVATIVE PROCESS



**TEST  
ON VEHICLE**



**ANALYZE**



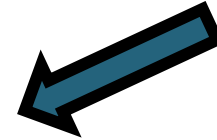
**GET DATA  
ON TIRES**



**REPRODUCE**



**ADVANCED  
SIMULATION**



## THE TARGETS



**1. WORK  
SMARTER**



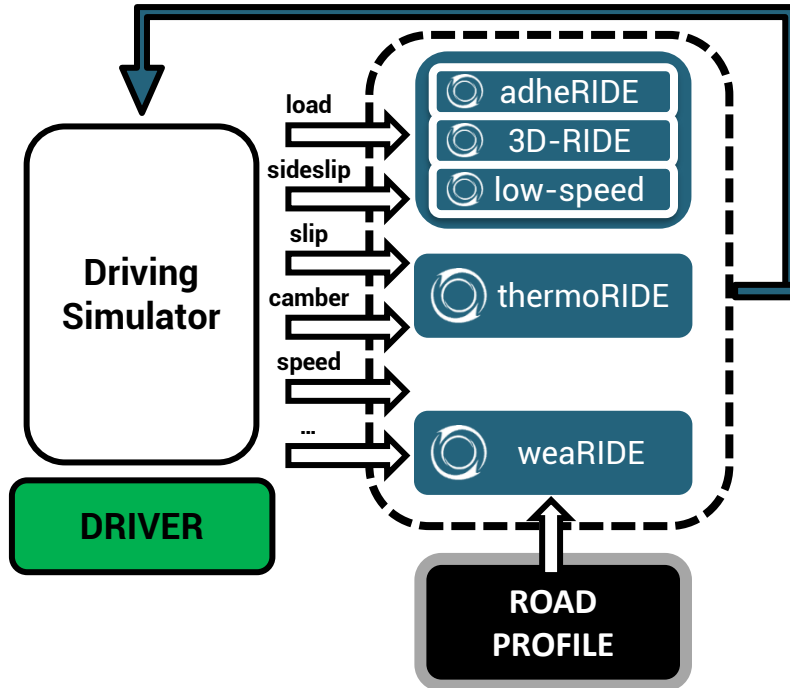
**2. WORK FOR  
SAFETY**



**3. WORK FOR  
VICTORY**

# RIDEsuite – APPLICATIONS: REALTIME SIMULATIONS

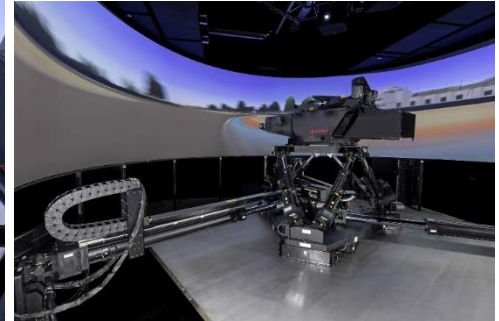
some of the platforms adopting RIDEsuite...



VI-grade @ Ferrari GT – Maranello



VI-grade @ AUDI Sport – Ingolstadt



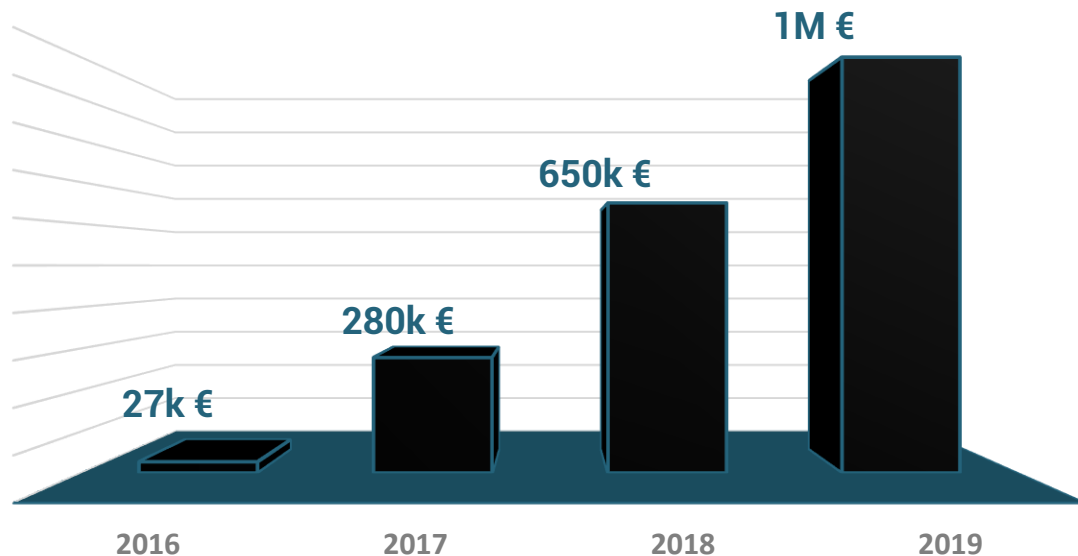
VI-grade @ Maserati – Modena



AVEHIL @ SkyDrive – Monza



# THE PATH



## REVENUES OVERVIEW



INSTRUMENTED MOBILITY LAB

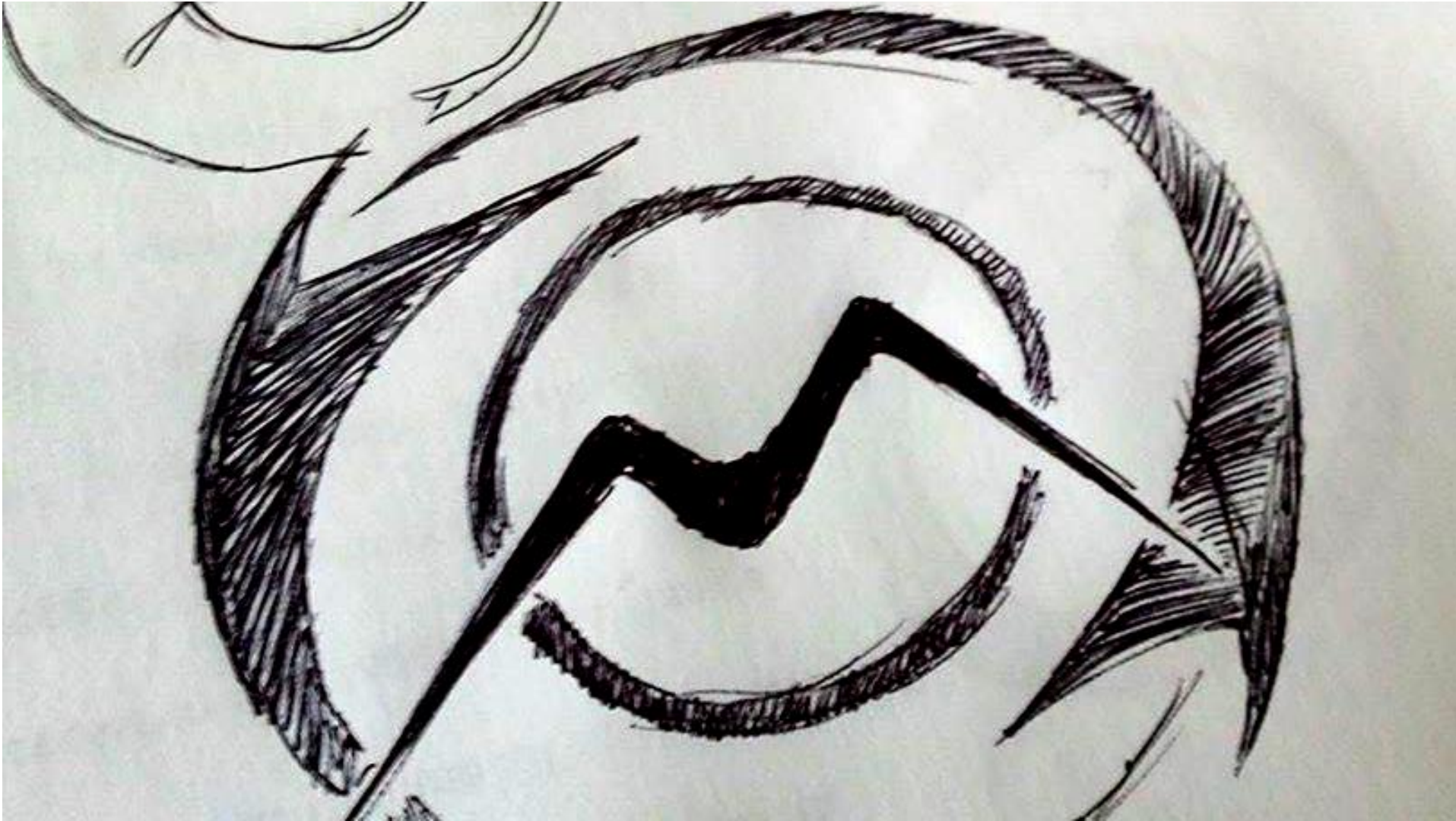


NEW HEADQUARTER



PATENTED TECHNOLOGIES





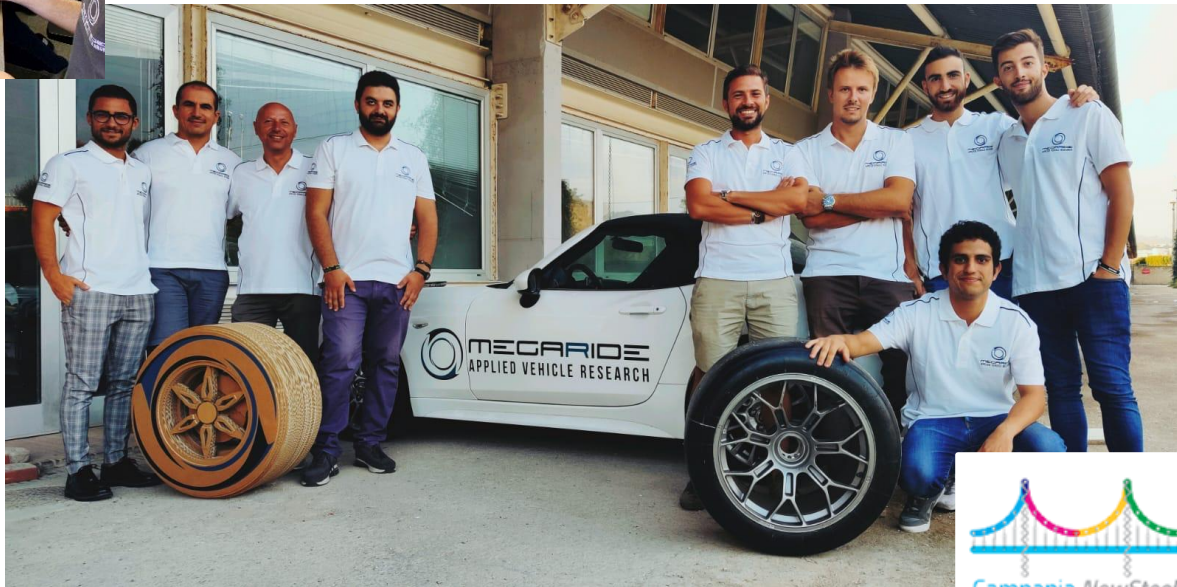












## research partners



## business partners



## customers



and...



modelling  
drivingsimulator  
motorcycle  
racing  
predictivity  
smart  
design  
performance  
pacejka  
grip  
car  
biotelemetry  
research  
virtualsensors  
models  
friction  
mechanics  
machinelearning  
simulations  
tyres  
mobility  
optimization  
automotive  
motorsport  
vehicle





# AWARDS AND ACHIEVEMENTS



**WINNER OF  
START CUP/  
SHARK BITES  
2016**



**MIT  
INNOVATORS  
UNDER 35  
2018**



**SELECTED IN  
TIM WCAP  
PROGRAM  
2018/19**



**DEVELOPMENT  
TOOL OF THE YEAR  
2019**

**SMAU  
INNOVATION  
PRIZE 2018**



**TIRE  
TECHNOLOGY  
OF THE YEAR  
2018**



**ECCELLENZE  
D'IMPRESA  
2018**





# AWARDS AND ACHIEVEMENTS

## Italian Startup Award 2020 | vince MegaRide | spin-off dell'Università Federico II

È MegaRide la vincitrice della 14esima edizione dell'Italian Master Startup Award, premio ...

**yahoo!**  
finanza

Cerca notizie, simboli o aziende

Home Finanza

Il mio portafoglio

Panoramica del mercato

## Startup: MegaRide vince l'Italian Master Award 2020



MENU | CERCA la Repubblica

### Alla MegaRide il premio IMSA



la Repubblica

L'azienda specializzata nella simulazione in ambito automotive si porta a casa l'Italian Master Startup Award 2020, il riconoscimento PNICube che dal 2007 premia le imprese hi-tech nate dalla ricerca accademica che stanno che stanno ottenendo le migliori performance sui mercati

Creata edizioni 1991-2020 METEO  
**IL LIBRO E FAVIN** Milano

**adnkronos**

Fatti **Soldi** Lavoro Salute Sport Cultura Intrattenimento Magazine Sostenibilità

Finanza **Economia** Euro Food News Italia Economia

### Startup, MegaRide vince l'Italian Master Award 2020

**ECONOMIA**

**IL PREMIO**

### Con pneumatici e simulazioni la migliore start-up è Megaride

**Gazzetta MOTORI**

L'azienda nata dalla facoltà di Ingegneria dell'università Federico II si è aggiudicata l'Italian master start-up award

**CheAutoCompro**

Cerca la tua nu

**MAXIM**  
ITALIA

NEWS STILE ITINERARI LIFESTYLE SALUTE&WELLNESS SPECIALE

### Startup, MegaRide vince l'Italian Master Award 2020

BY ASSAGGIANDO 25 SETTEMBRE 2020

Tecnologia Il software automotive di MegaRide si aggiudica il premio per le startup «cresciute»

25 settembre 2020

boot  
Associazione Italiana Incubatori Università  
PNICube  
Federico II di Svevia  
Università Verona  
Napoli

Salva Commenta

f t in

### Il software automotive di MegaRide si aggiudica il premio per le startup «cresciute»

Il contest di PNICube premia i risultati effettivi delle startup nei primi anni di vita



**Il Sole 24 ORE**

MENU | CERCA **IL MATTINO.it**

### Italian Master Startup Award, a MegaRide il premio imprese hi-tech

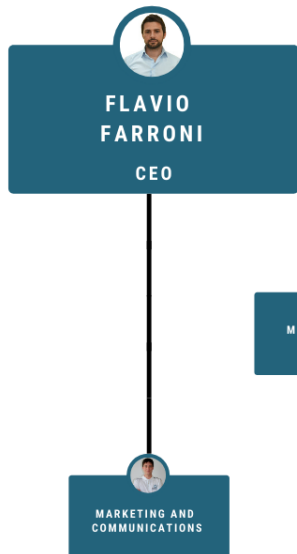
INNOVAZIONE > NEWS

Venerdì 25 Settembre 2020

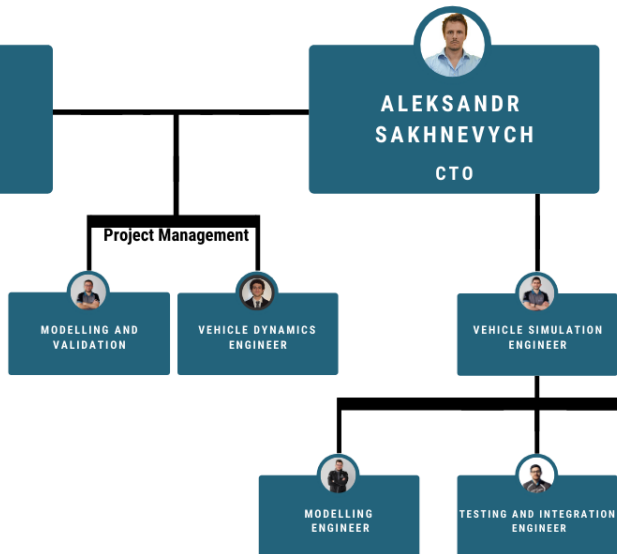


# TEAM DEVELOPMENT

## Strategy and Business Development



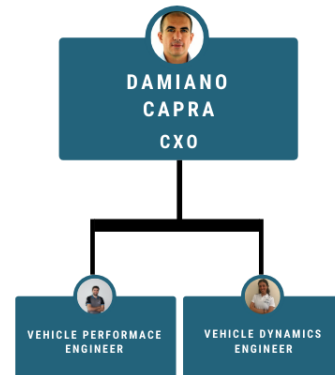
## R&D and Technical Development



## Financials and Administration



## Track Activities for Motorsport



▪ 15 PEOPLE IN A GROWING TEAM

▪ SENIOR CONSULTANTS IN STRATEGIC AREAS

▪ SYNERGY WITH ACADEMIC FACILITIES

▪ RESELLING PARTNERSHIP WITH VI-GRADE GMBH



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