





UniNa Vehicle Dynamics research group



MEGARIDE[®]
APPLIED VEHICLE RESEARCH
an official UniNa spinoff company

MULTI-PHYSICAL TIRE MODELS

MODULAR SIMULATION PLATFORM

SCIENCE APPLIED TO RACES



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

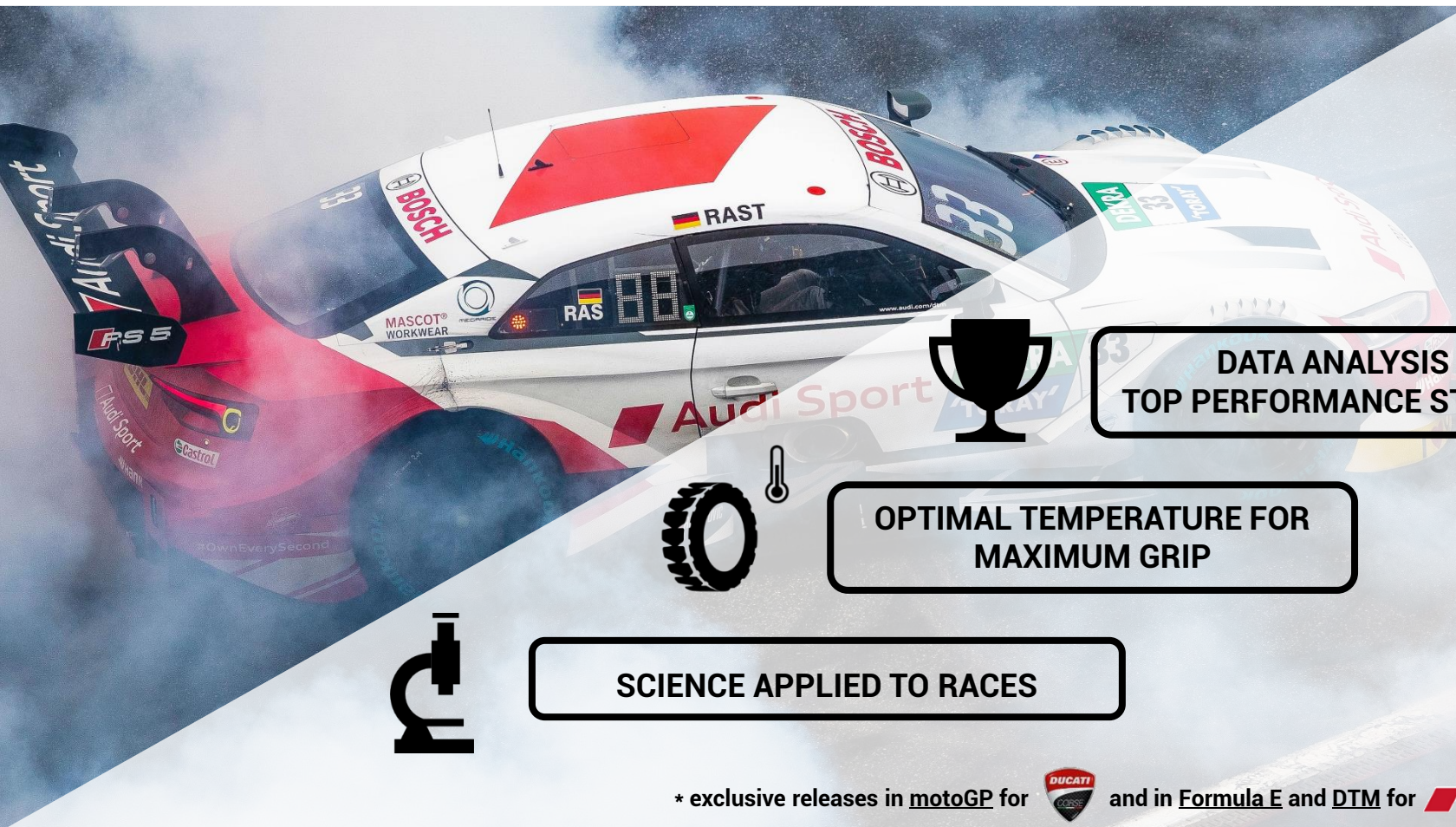


VIRTUAL TIRES DEV





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**






RESEARCH HIGHLIGHTS

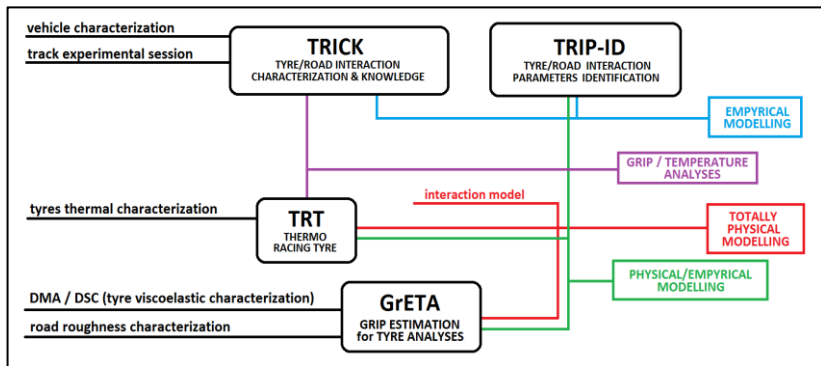
- TEAM AWARDED BY “M.I.T. YOUNG INNOVATORS UNDER 35”
- 6 PhD / 15+ MSc / 25+ BSc PER YEAR ON VD AND TIRE SIMULATION TOPICS
- SUPPORT OF “TYRE LAB” UNIVERSITY FACILITY FOR EXPERIMENTAL ACTIVITIES





COMPANY HIGHLIGHTS

- "TIRE TECHNOLOGY OF THE YEAR 2018" AND "VD DEVELOPMENT TOOL OF THE YEAR 2019" 
- GROWING TEAM (> 35 PPL) AND BUSINESS (EBITDA > 20%) IN 6 YEARS WITH NO DEBT / NO EQUITY GIVEN 
- 6 F1 / 2 MOTOGP / 4 FOE / 2 WEC / 1 NASCAR / 2 DTM / 1 F2-F3 (IN EXCLUSIVE) / 4 TIREMAKERS / 5 CARMAKERS 



THE BEGINNING



PRODOTTO	R. ENG. *	R. ENG. **	TECHNICIAN	MR TOOLBOX	TEST OUT	TEST IN
TELEMETRY						
TELEMETRY PLUS						
RACING						
RACING PLUS						
RACING MASTER						
SOFTWARE						
SOFTWARE PLUS						
R & D						
R & D PLUS						
R & D MASTER						
TESTING						
LAB						

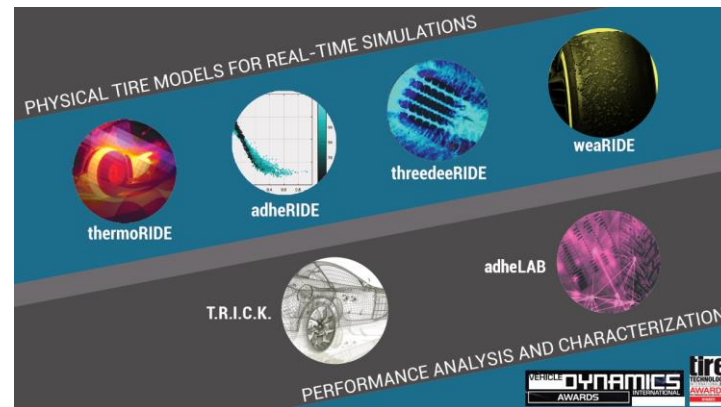
THERMAL MODEL
 TYRE FORCES ESTIMATION
 PACEJKA IDENTIFICATION
 ALTRI
 SOFTWARE IN DOTAZIONE AI R. ENG.
 ACQUISTO LICENZA SOFTWARE
 ANALISI SVOLTE DA MEGARIDE



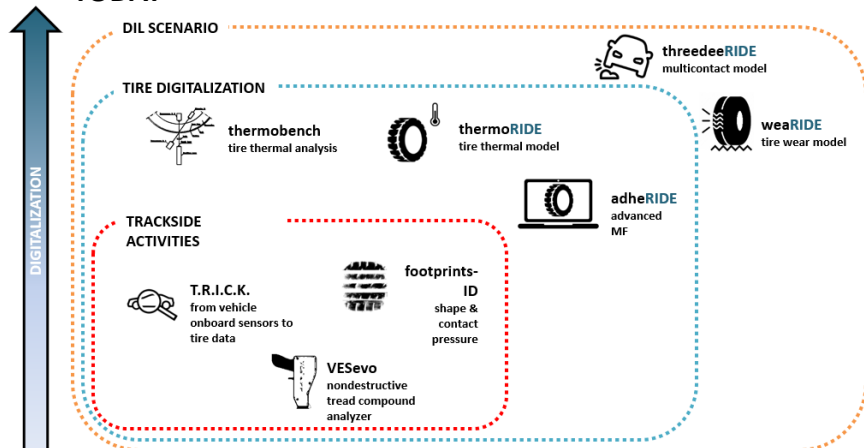
FIRST STEPS

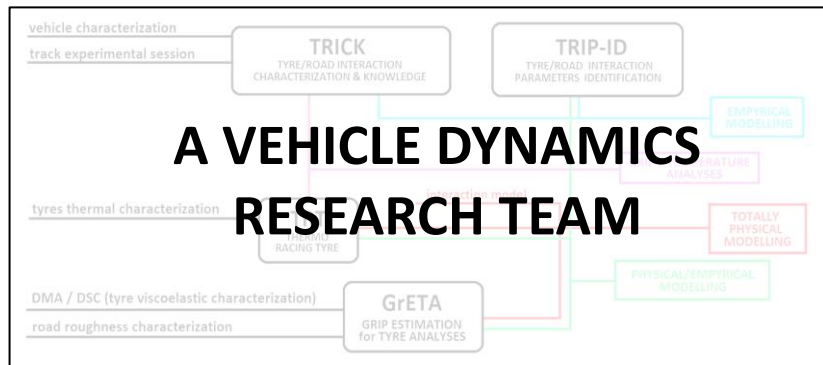


TOWARDS PRODUCTS

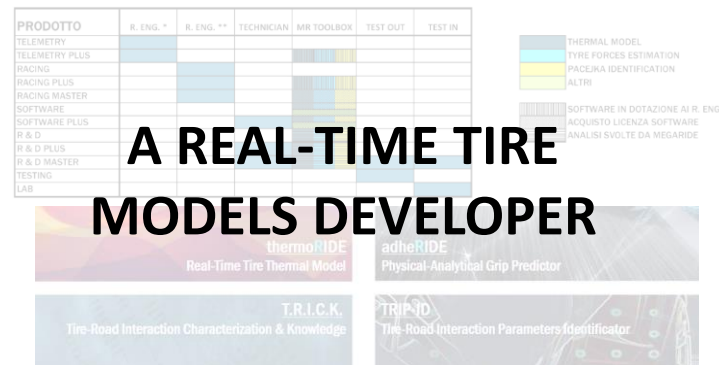


TODAY





A VEHICLE DYNAMICS RESEARCH TEAM



A REAL-TIME TIRE MODELS DEVELOPER



AN AUTOMOTIVE SOFTWARE HOUSE



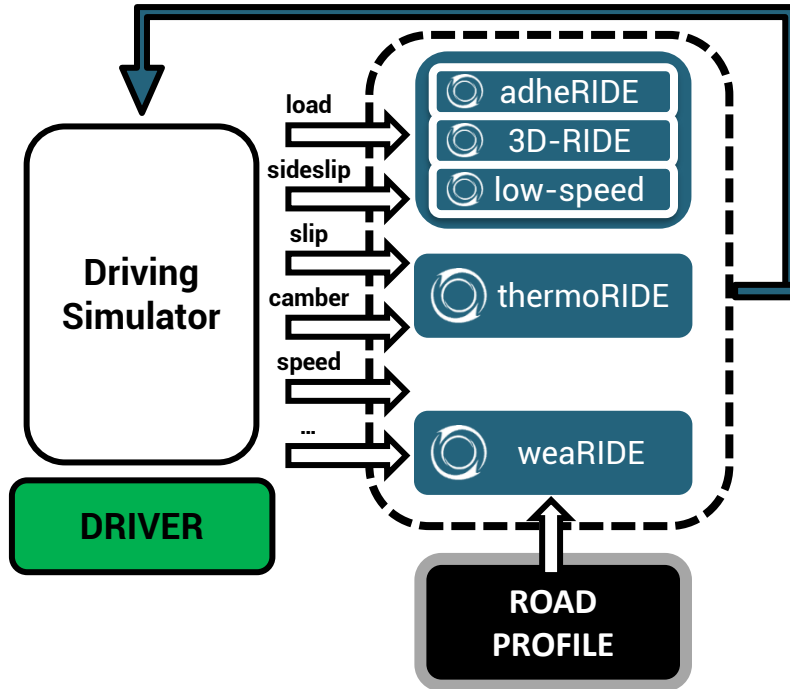
A TIRE-CENTERED MOBILITY SOLUTIONS PROVIDER





THE SOFTWARE INNOVATION

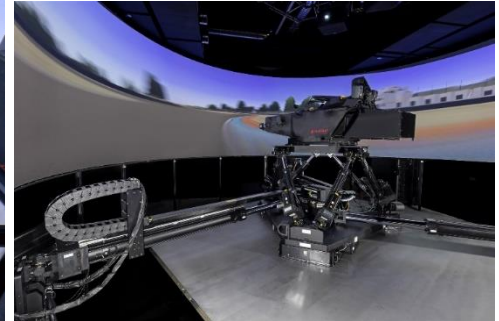
some of the platforms adopting RIDEsuite...



VI-grade @ Ferrari GT – Maranello



VI-grade @ AUDI Sport – Ingolstadt



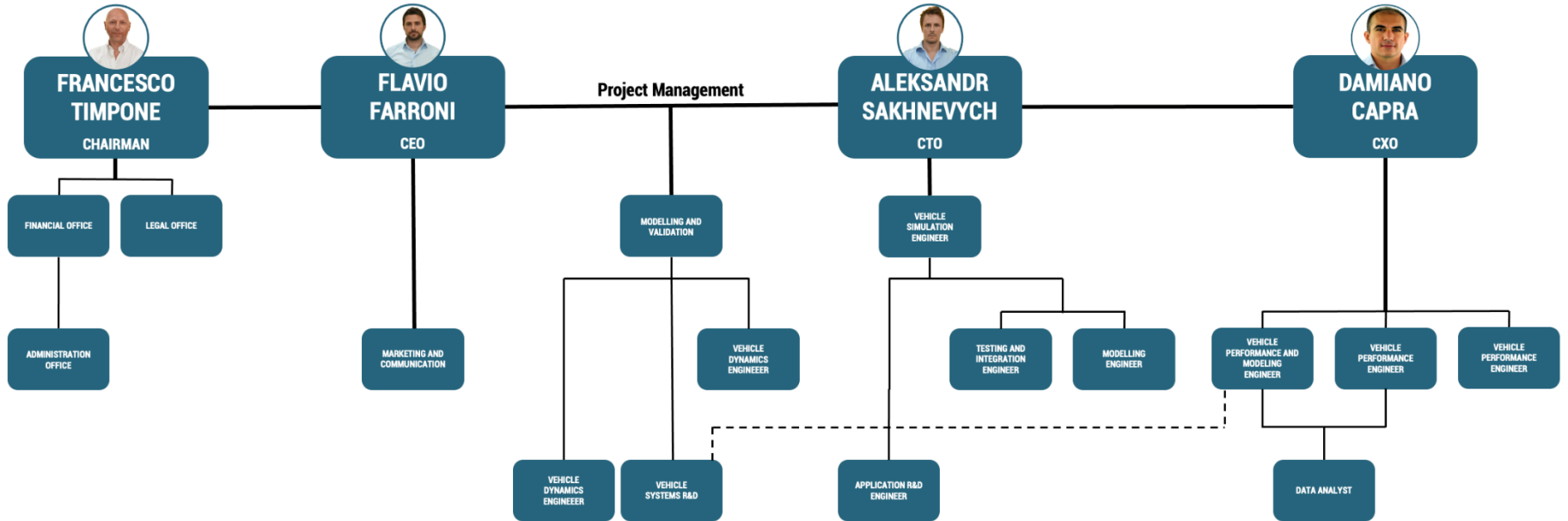
VI-grade @ Maserati – Modena



AVEHIL @ SkyDrive – Monza



TEAM DEVELOPMENT

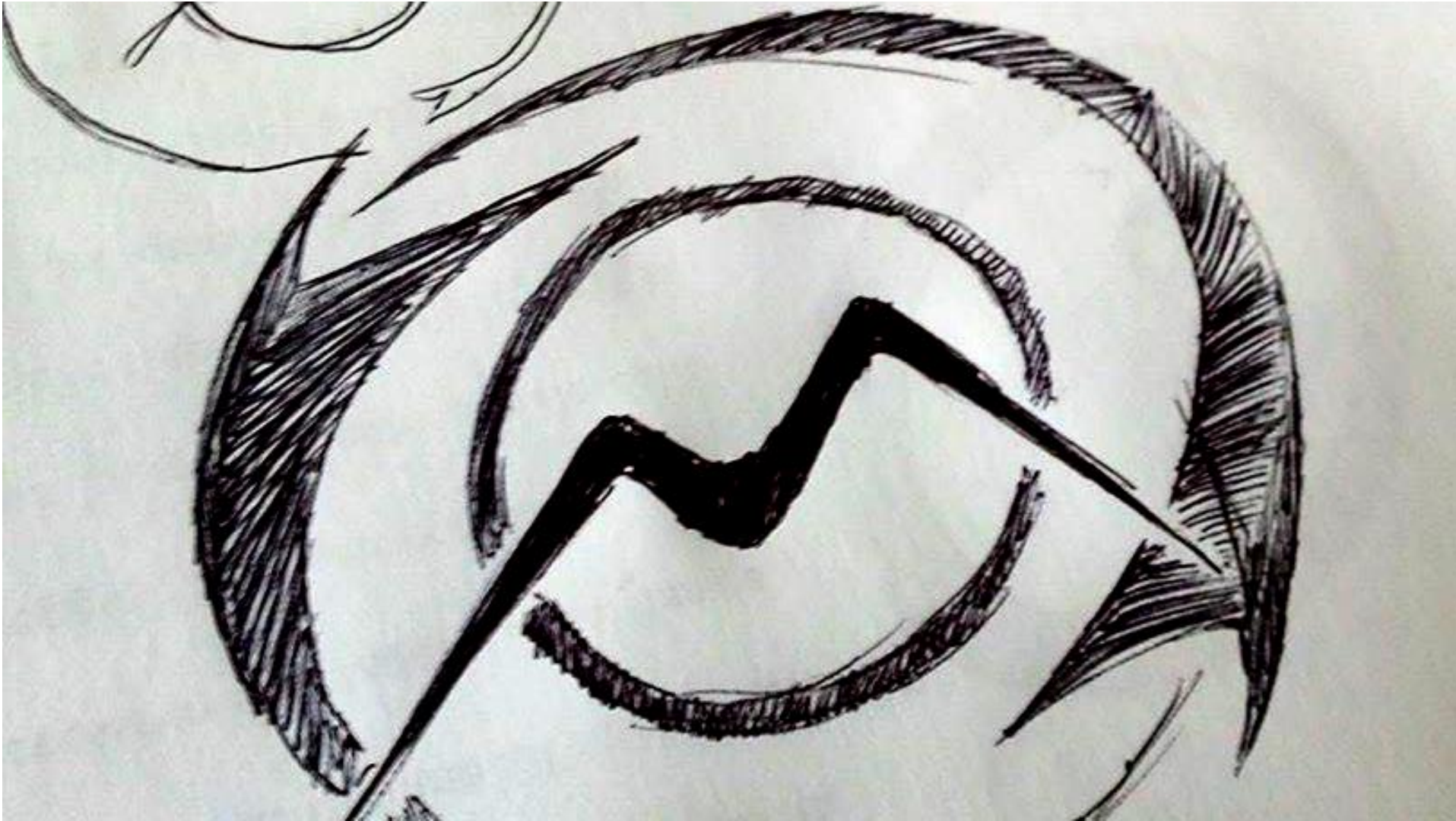


▪ >35 PEOPLE IN A GROWING TEAM

▪ SENIOR CONSULTANTS IN STRATEGIC AREAS

▪ SYNERGY WITH ACADEMIC FACILITIES

▪ RESELLING PARTNERSHIPS IN ASIA AND USA





Start of 2022 motorsport season



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 R+ Rep. PER ABBONARSI ACCEDI

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 ottenendo le migliori performance sui mercati

Stampa edizioni 1991-2020 METEO IL LIBRO DEL FANTIN Milano

adnkronos

Fatti Soldi Lavoro Salute Sport Cultura Intrattenimento Magazine Sostenibilità

Finanza Economia Euro Fondi 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

CheAutoCompt

Cerca la tua nu

MAXIM
ITALIA

NEWS STILE ITINERARI LIFESTYLE MAXIMSTAR SPECIALI

ABBONAMENTI | ISCRIZIONE

Startup, MegaRide vince l'Italian Master Award 2020

25 SETTEMBRE 2020

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

25 settembre 2020

boot
Associazione Italiana Incubatori Universitari
PNICube
Federico II di Sicilia
Università Verona
Napoli

Salva Commenta

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

research partners



business partners



customers



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

INVESTMENT IN R&D

HI-LEVEL TRAINING & INTERACTIONS

8 PhD + 1 post-doc

about 25 master thesis per year

about 15 bachelor thesis per year





WHERE IN NEXT 5 YEARS?

AUTO E MOTORI

Martedì, 11 gennaio 2022

Megaride cresce con le tecnologie di Wriggle Solutions

La società spin-off della Federico II amplia e completa la sua offerta di soluzioni proprietarie per l'industria tyre e automotive



MegaRide Applied Vehicle Research, spin-off della Federico II, e **Wriggle Solutions**, spin-off della Scuola Superiore Sant'Anna di Pisa.

motorsport.com | **ISCRIVITI** | PODCAST | FORMULA 1 | MOTO | RALLY | MONDOPOSTO | ENDURANCE | TURISMO

SPECIALE ULTIME NOTIZIE

MegaRide acquisisce Wriggle Solutions

Di: Redazione Motorsport.com | 18 dic 2021, 12:23

L'azienda napoletana incorpora la spin-off della Scuola Superiore Sant'Anna portafoglio il know-how e la proprietà intellettuale di un innovativo sistema delle condizioni degli pneumatici. Una grande opportunità anche per le aziende che operano nel settore.



NEWS | DATA | FEATURES | BUSINESS DIRECTORY | JOBS | CLASSIFIEDS | MAGAZINE

Home / News / Company News / Megaride acquires Wriggle Solutions Technologies

Megaride acquires Wriggle Solutions Technologies

Date: 4th January 2022

Author: Chris Anthony

Comments



According to **Reifenpresse.de**
Ein Service der NEUE REIFENZEITUNG

NACHRICHTEN | ZAHLEN & FAKTEN | REIFENTESTS | MAGAZIN

Startseite



PRODUKTE

MegaRide kauft Reifenverschleiß- und -integritätskontrollsystem

MONTAG, 3. JANUAR 2022 | 0 KOMMENTARE



Sant'Anna
Scuola Universitaria Superiore Pisa

URP | STUDENTI ONLINE | SERA

cerca (persone, i

ATENEO | COLLEGIO | LAUREE MAGISTRALI | PhD | ALTA FORMAZIONE | SEASONAL SCHOOL | RICERCA | T

SANT'ANNA MAGAZINE NEWS

< SANT'ANNA MAGAZINE

TERZA MISSIONE: SISTEMI PER IL MONITORAGGIO DI USURA E INTEGRITÀ DEGLI PNEUMATICI, SVILUPPATI DA WRIGGLE SOLUTIONS, SPIN-OFF DELLA SCUOLA SUPERIORE SANT'ANNA, SONO STATI ACQUISITI DA MEGARIDE, SPIN-OFF DELL'UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II





WHERE IN NEXT 5 YEARS?



VESeVO

Viscoelasticity Evaluation System EVO



TyrePlex News Car Tyres Bike Tyres Scooter Tyres

Search For MRF Tyres, CEAT Tyres, JK Tyres

VESevo Gun Is Helping Teams Master 2021 F1 Tyres

motorsport.com S'ABONNER CONTENU PREMIUM FORMULE 1

Formule 1 News Photos Vidéos Calendrier Résultats

Le mystérieux pistolet qui aide les écuries F1 à maîtriser les pneus

Par : Franco Negrini Co-auteur: Jonathan Noble 15 mars 2021 à 15:01

Les équipes de F1 ont utilisé un "pistolet" italien novateur lors des essais de Bahrein dans ce qui pourrait être une nouvelle tendance pour maîtriser les pneus 2021.


motorsport.com SUBSCRIBE PRIME CONTENT FORMULA 1

Formula 1 News Photos Videos Schedule Results

The mysterious gun helping teams master F1's 2021 tyres

By: Franco Negrini Co-author: Jonathan Noble Mar 15, 2021, 5:33 PM

Formula 1 teams have been spotted using an innovative Italian 'gun' in testing in what could be the latest move to get on top of the new 2021 tyres.



motorsport.com FORMULA 1 MOTO GP MONOPLAZAS

Formula 1 Noticias Fotos Videos Calendario

¿Qué es ese extraño 'martillo' para los neumáticos de F1?

AUTOSPORT Subscribe FORMULA 1

The tech gun helping teams to master F1's 2021 tyres

motorsport.com FORMULE 1 MAX VERSTAPPEN

Formule 1 Nieuws Foto's Video's

Uitgelegd: F1-teams gebruiken mysterieus pistool voor bandenanalyse

motorsport.com FORMEL 1 MOTOGP LIVE

Alle Rennserien News Fotos Video

Diese "Pistole" soll die Reifenanalyse in der Formel 1 revolutionieren

motorsport.com FORMA-1 TECHZÓNA

TECHZÓNA Hírek Videók

A titokzatos pisztoly, ami segíthet az F1-es csapatoknak megérteni a 2021-es gumikat



motorsport.com FORMULA 1

Formula 1 Haberler

F1 takımları lastik analizi için gizemli bir çözüm kullanıyor: VESevo Tabancası

Formula 1 takımları, lastikler hakkındaki bilgilerini pekiştirmek amacıyla, gizemli bir yardımcı tabanca kullanmaya başladılar.



Diese "Pistole" soll die Reifenanalyse in der Formel 1 revolutionieren

Der technische Fortschritt in der Formel 1 geht immer weiter, ein italienisches Start-up könnte nun das heikle Thema Reifen revolutionieren

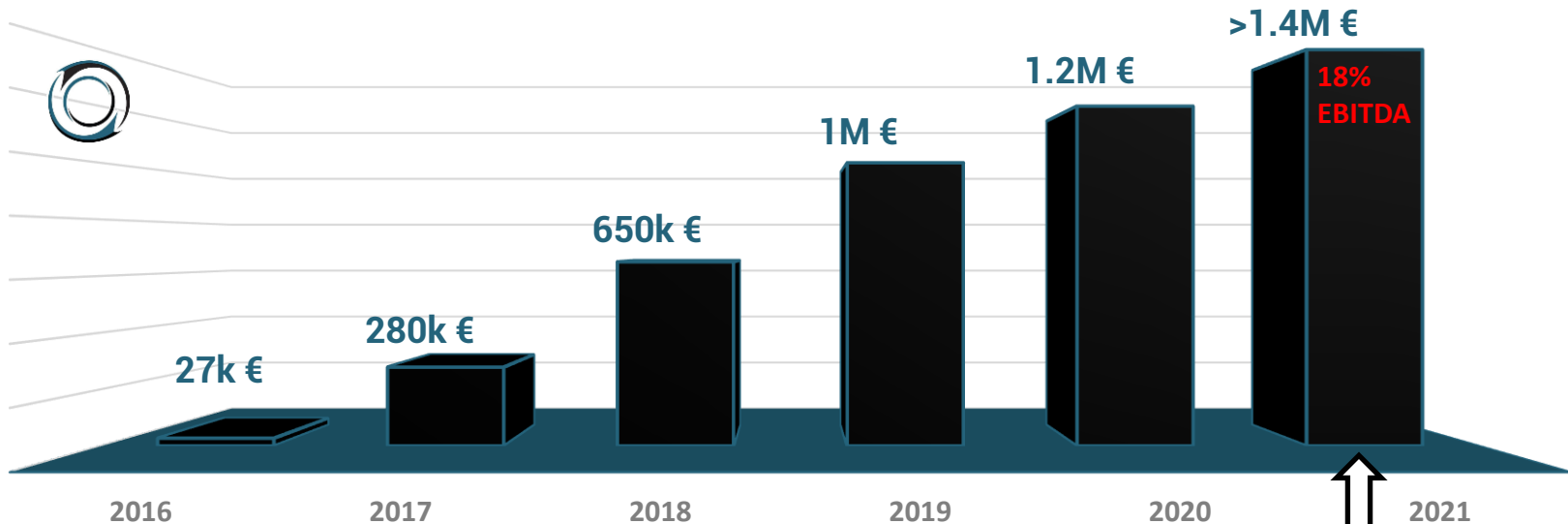
motorsport.com F1 MOTO GP

F1 ニュース 写真

タイヤを理解するためのカギ？ F1テストに登場した秘密兵器"銃"の正体

IN LESS THAN 1 YEAR
OVER 30 CUSTOMERS IN:





YOUR TIRE BENCH,
ON TRACK



REVENUES OVERVIEW



info@megaride.eu
www.megaride.eu



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Università degli Studi di Napoli "Federico II"



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