



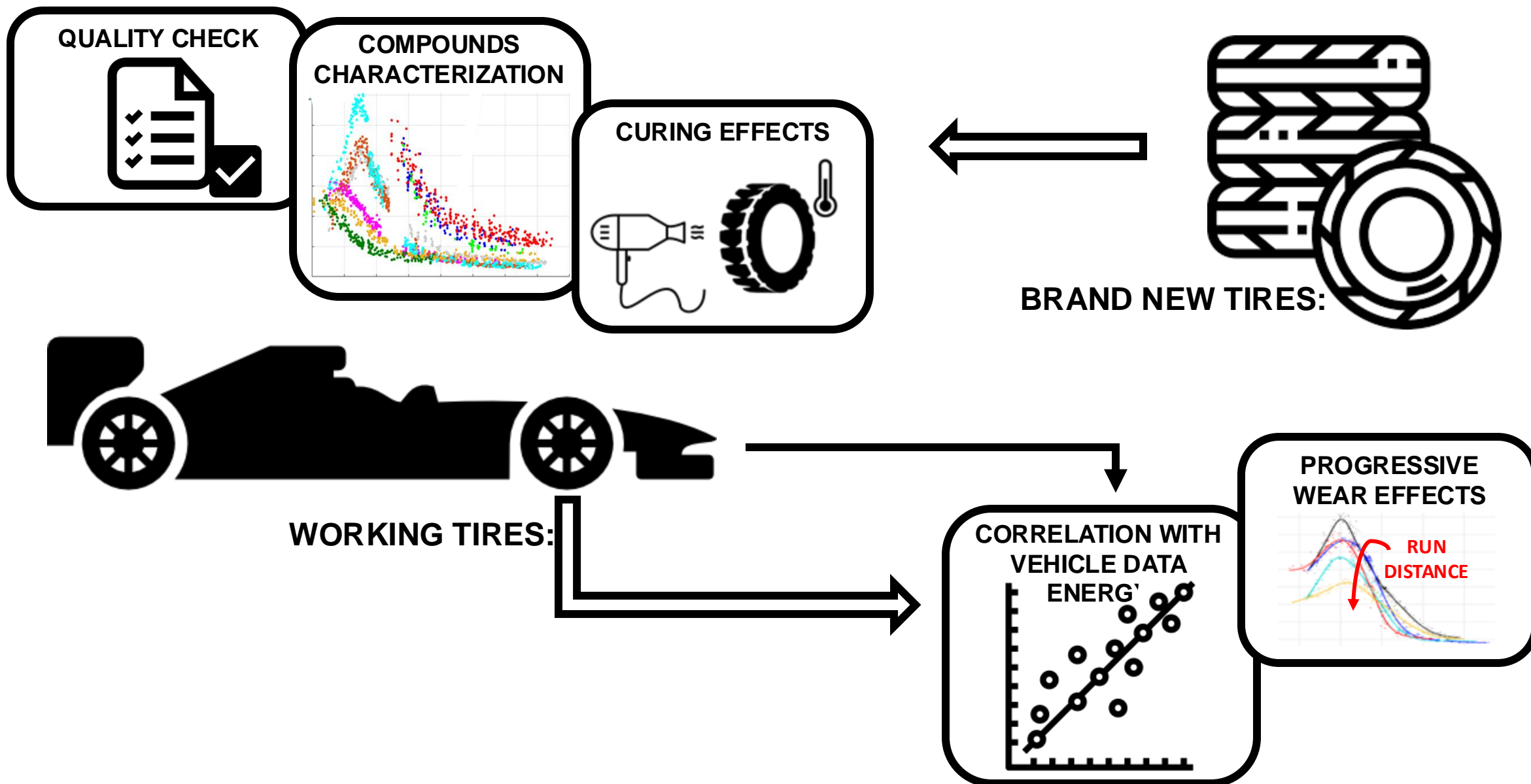
**VES** *evo*



***VESevo***

***Viscoelasticity Evaluation System – EVOLVED***

# BORN FOR RACES



# YOUR TIRE BENCH, ANYWHERE



## WHAT IT IS

an innovative device for viscoelastic materials characterization



## WHY INNOVATIVE

fast, reliable and completely non-destructive testing



## KEY FACTORS

portable design, international patent, automated software

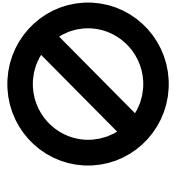


## WHY USEFUL

performance prediction, quality control in production



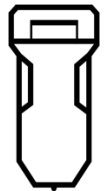
**Non-destructive and non invasive way**



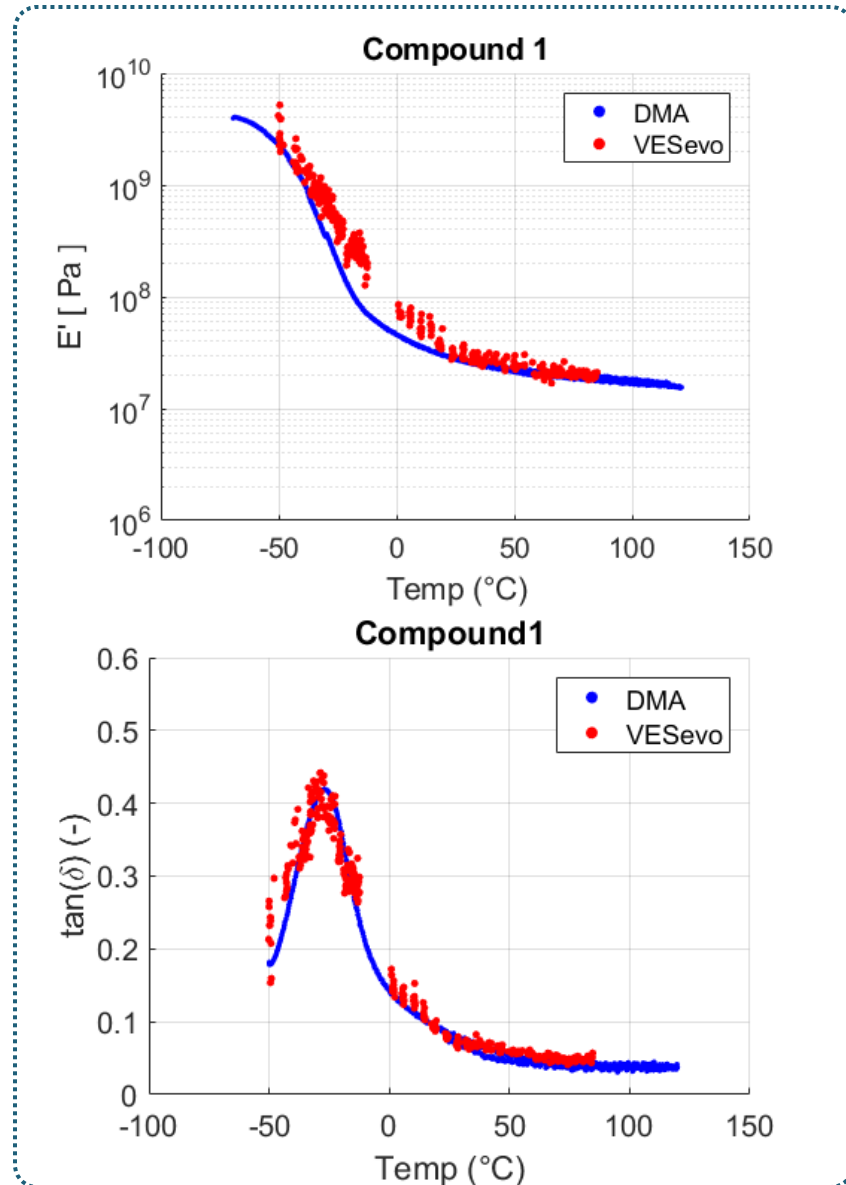
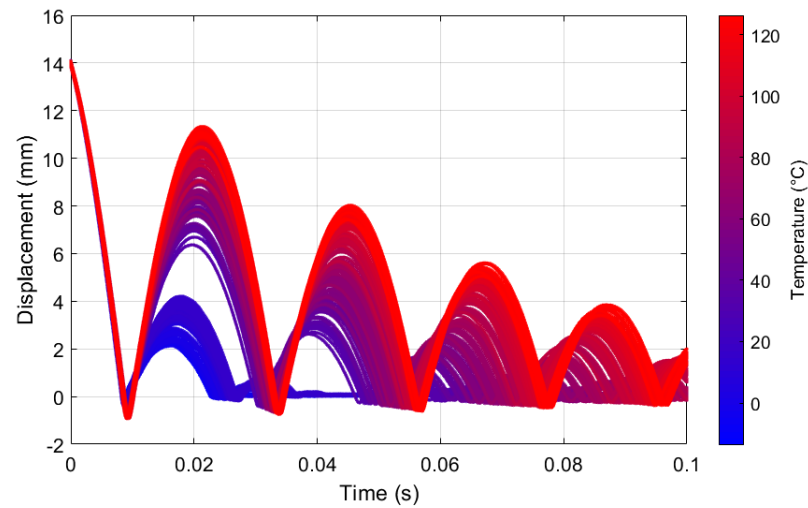
**In-situ measurements**



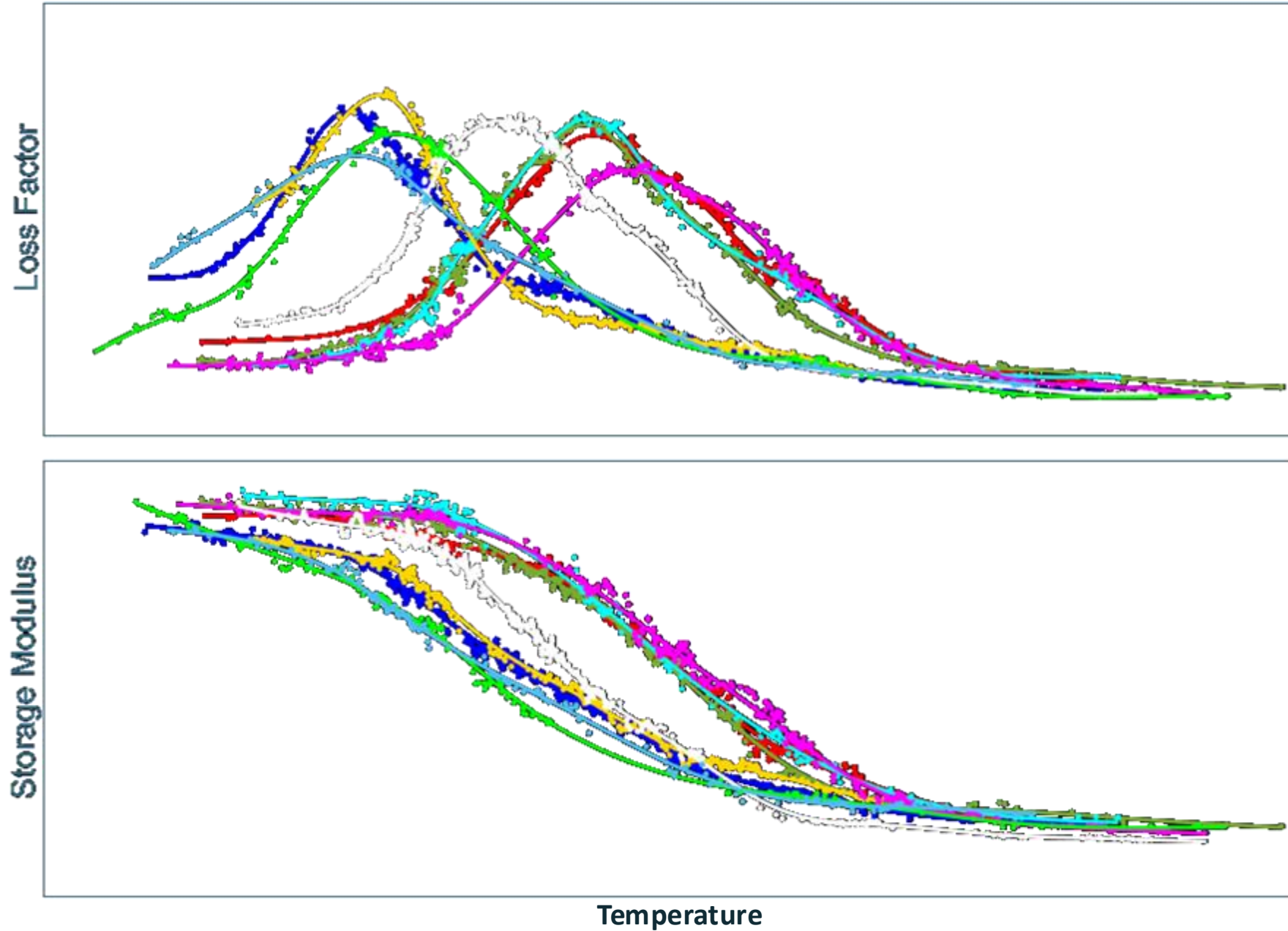
**High ergonomics and embedded electronics**



# VESevo WORKFLOW

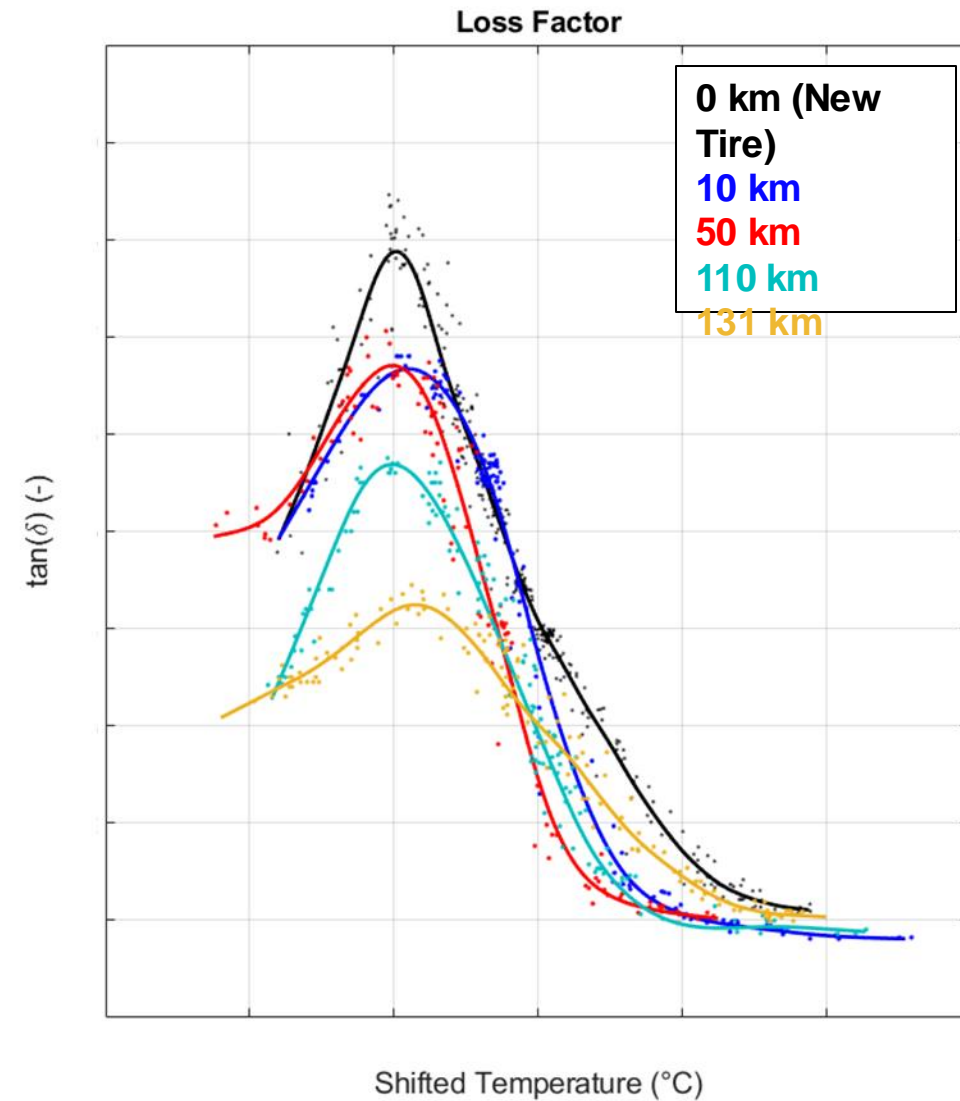
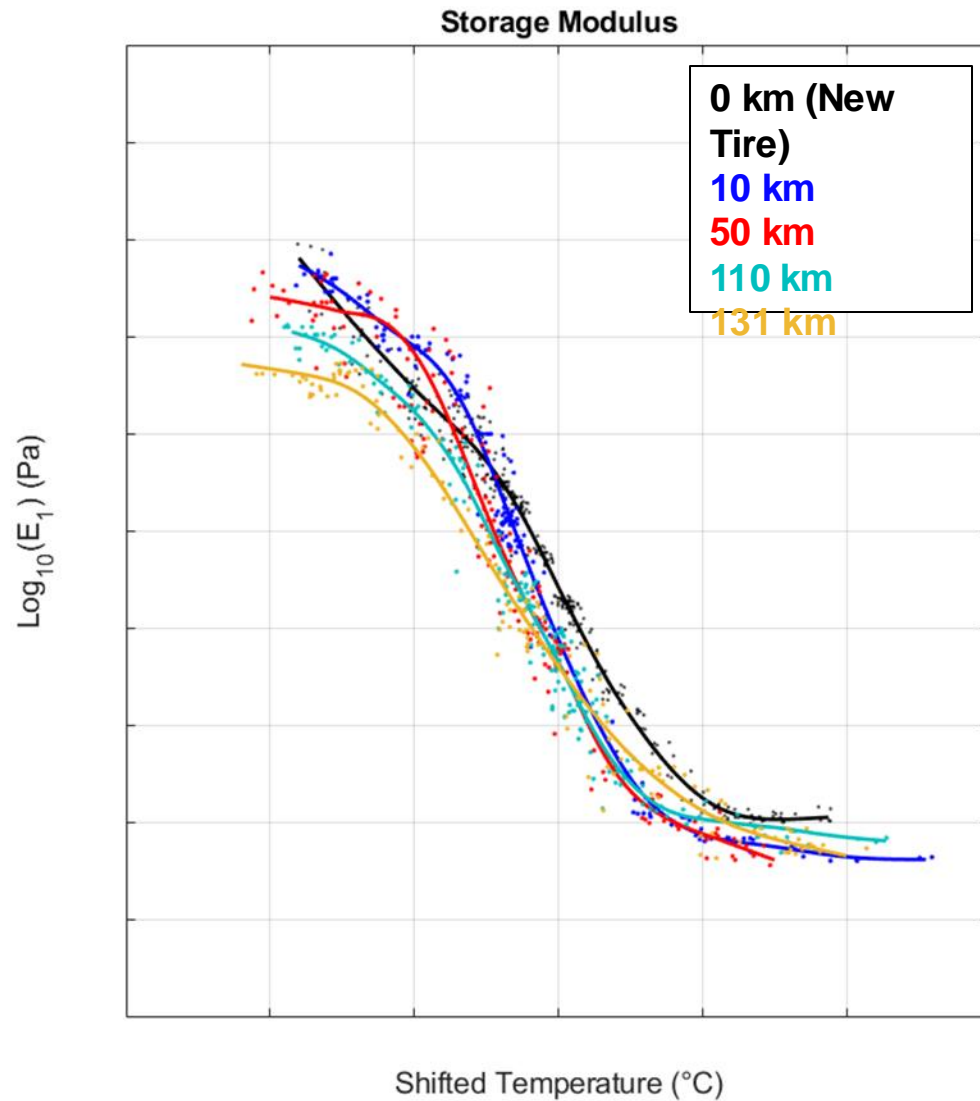


# VESevo for Motorsport: tires compound performance comparison





# VESevo for Motorsport: wear effects

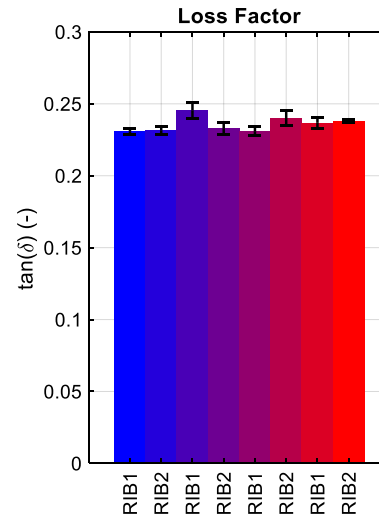
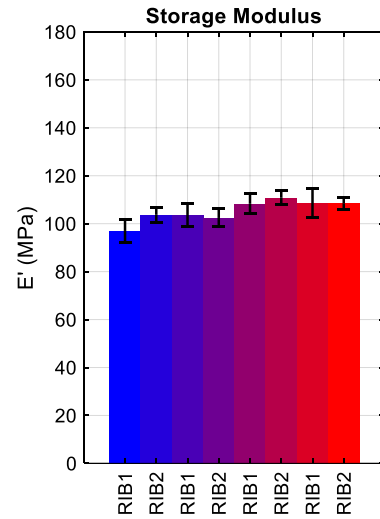
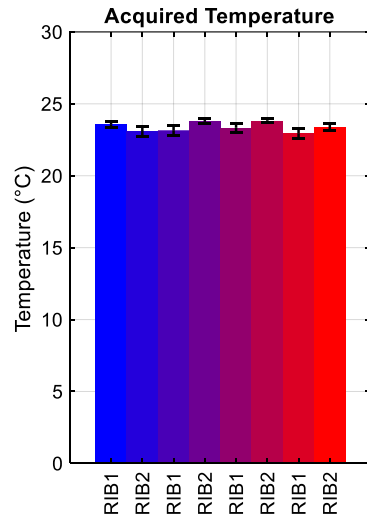




# VESevo for Industry: uniformity check

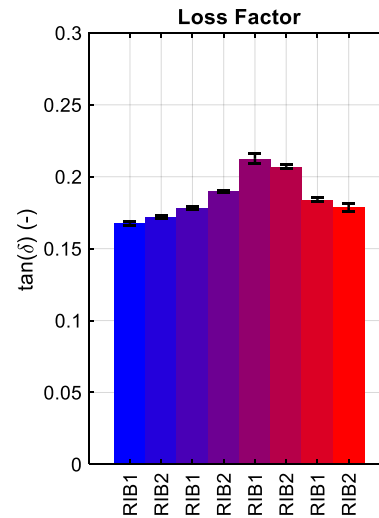
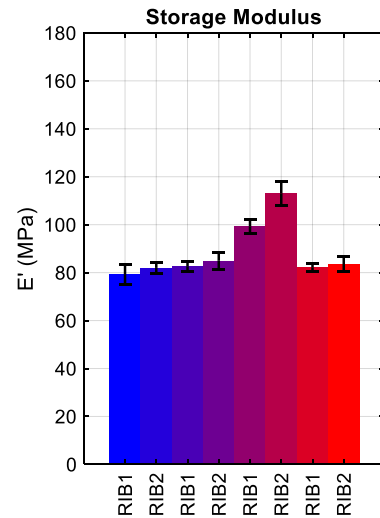
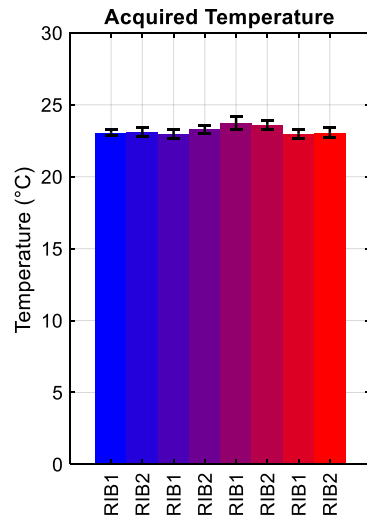


## New Condition

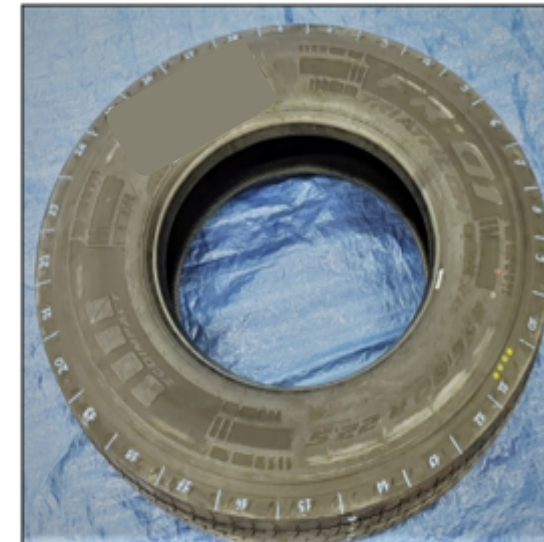
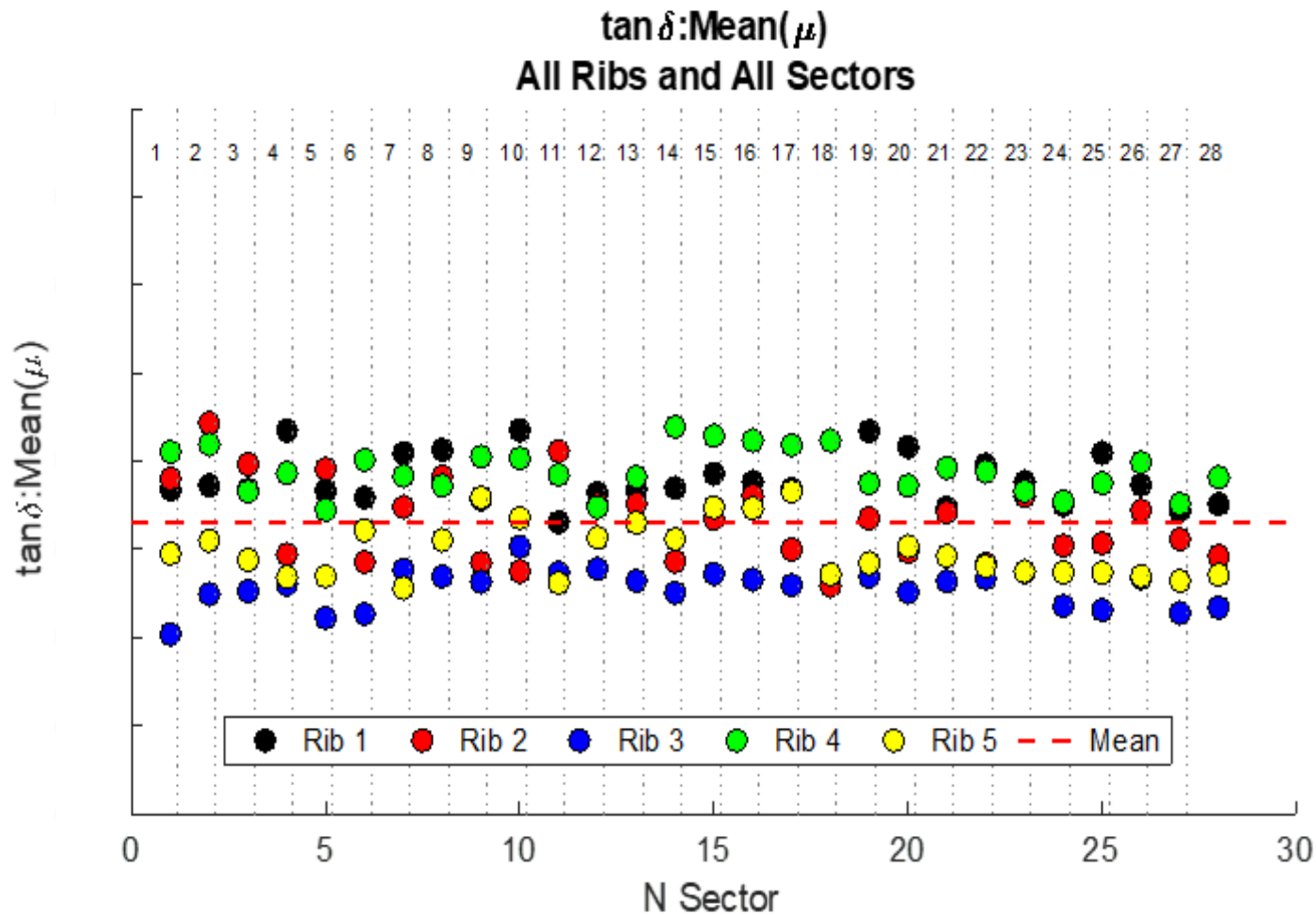


4 new tires	4 worn tires	2 rib x 4 loc
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## Worn Condition



# VESevo for Industry: quality monitoring in production



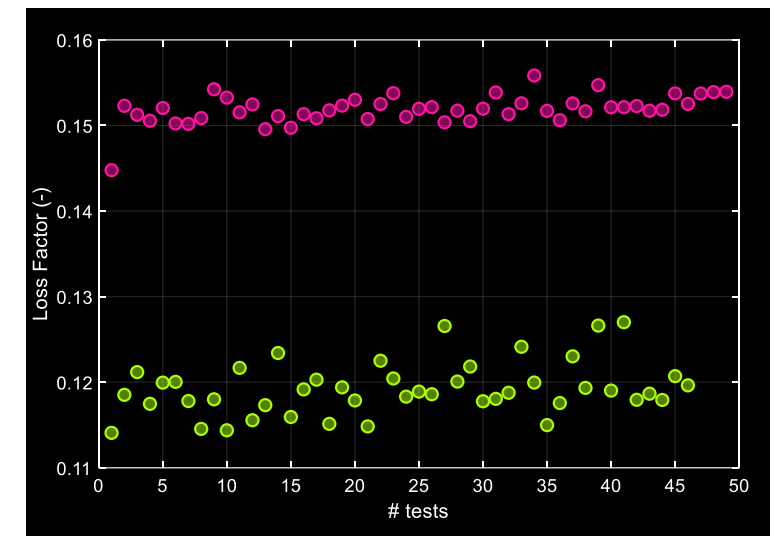
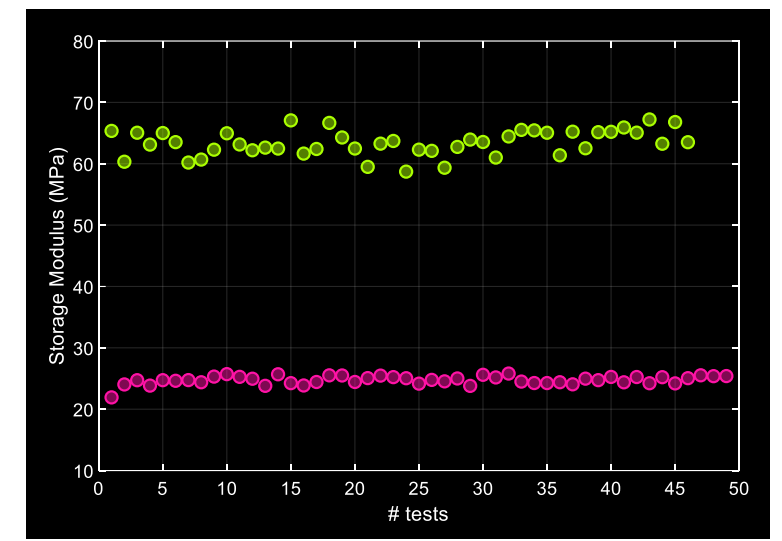
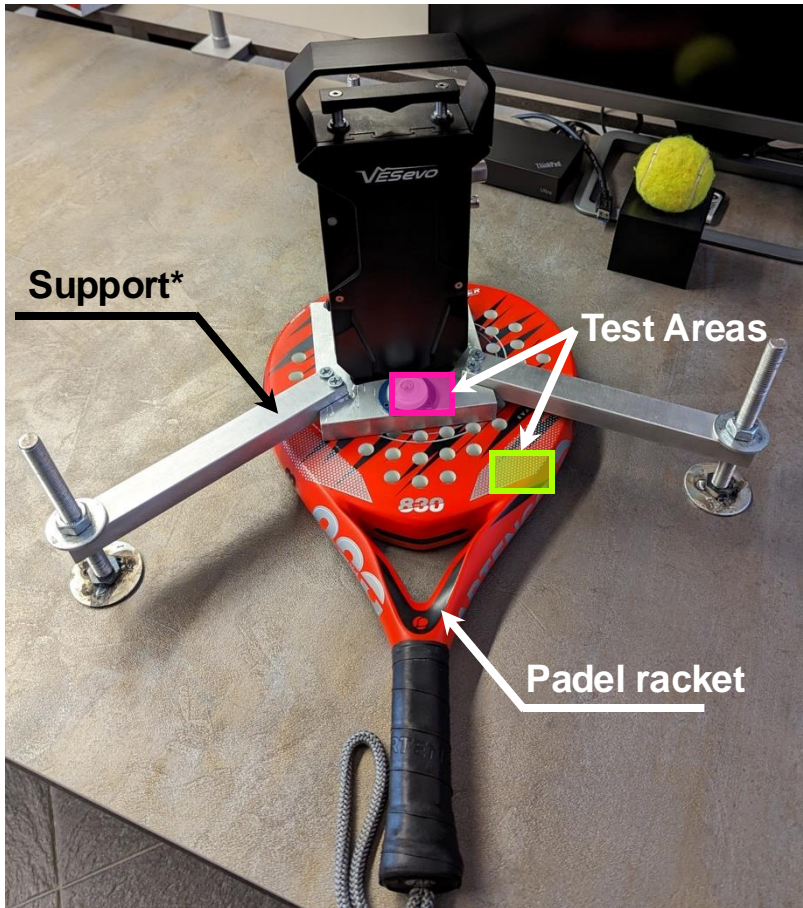
**Full Tread  
Viscoelasticity Analysis**

**5 Ribs  
x  
28 Sectors**

Mean Value Rib	
Rib 1	0,1881
Rib 2	0,1833
Rib 3	0,1757
Rib 4	0,1886
Rib 5	0,1798

# VESevo for Sport: Padel

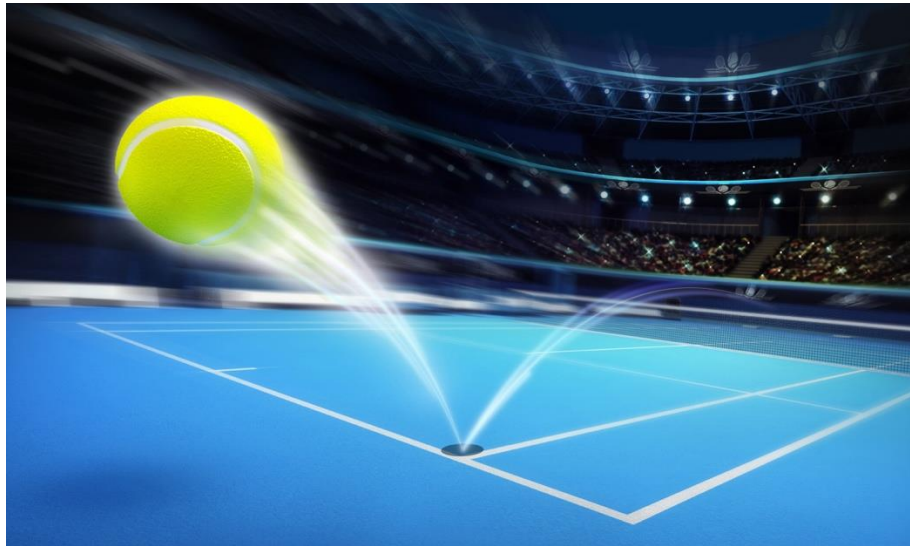
Test Bench for Padel characterization



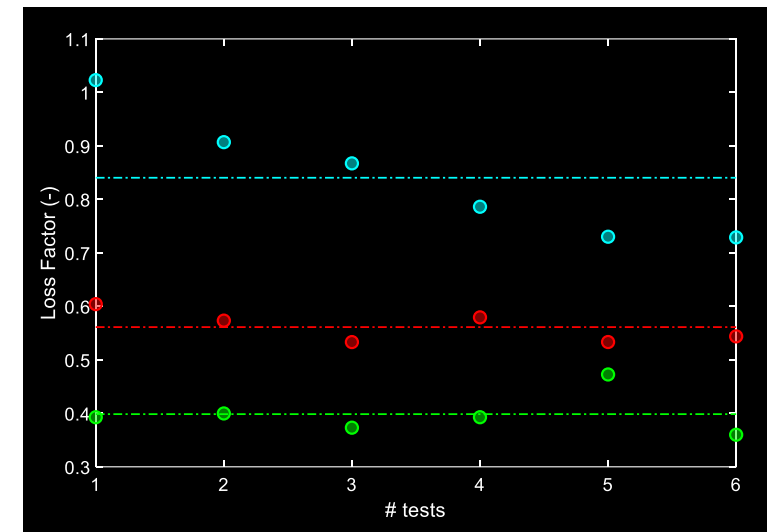
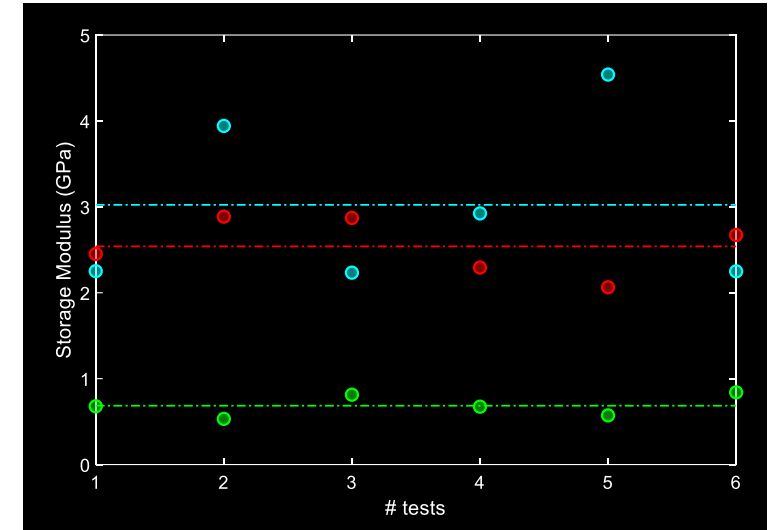
Centre Edge

 The support has been developed to avoid the operator-induced load effect during testing.

# VESevo for Sport: Tennis



VESevo device has been employed to characterize different tennis court floor



Tennis Floor 1 Tennis Floor 2 Tennis Floor 3



# Market Scenarios



Motorsport



Tire Makers



Plastic Producers



B2C - Car Owners

2021



2023



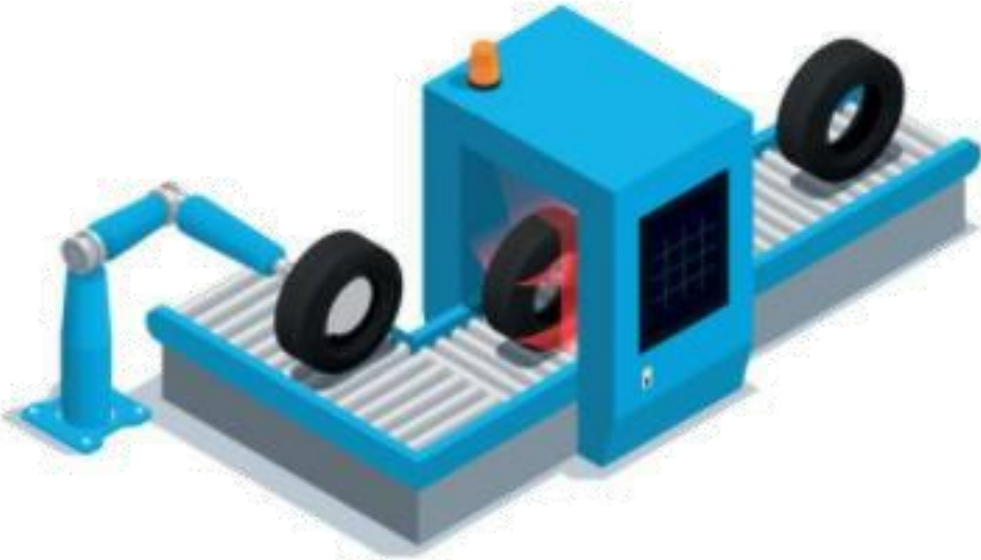
2024



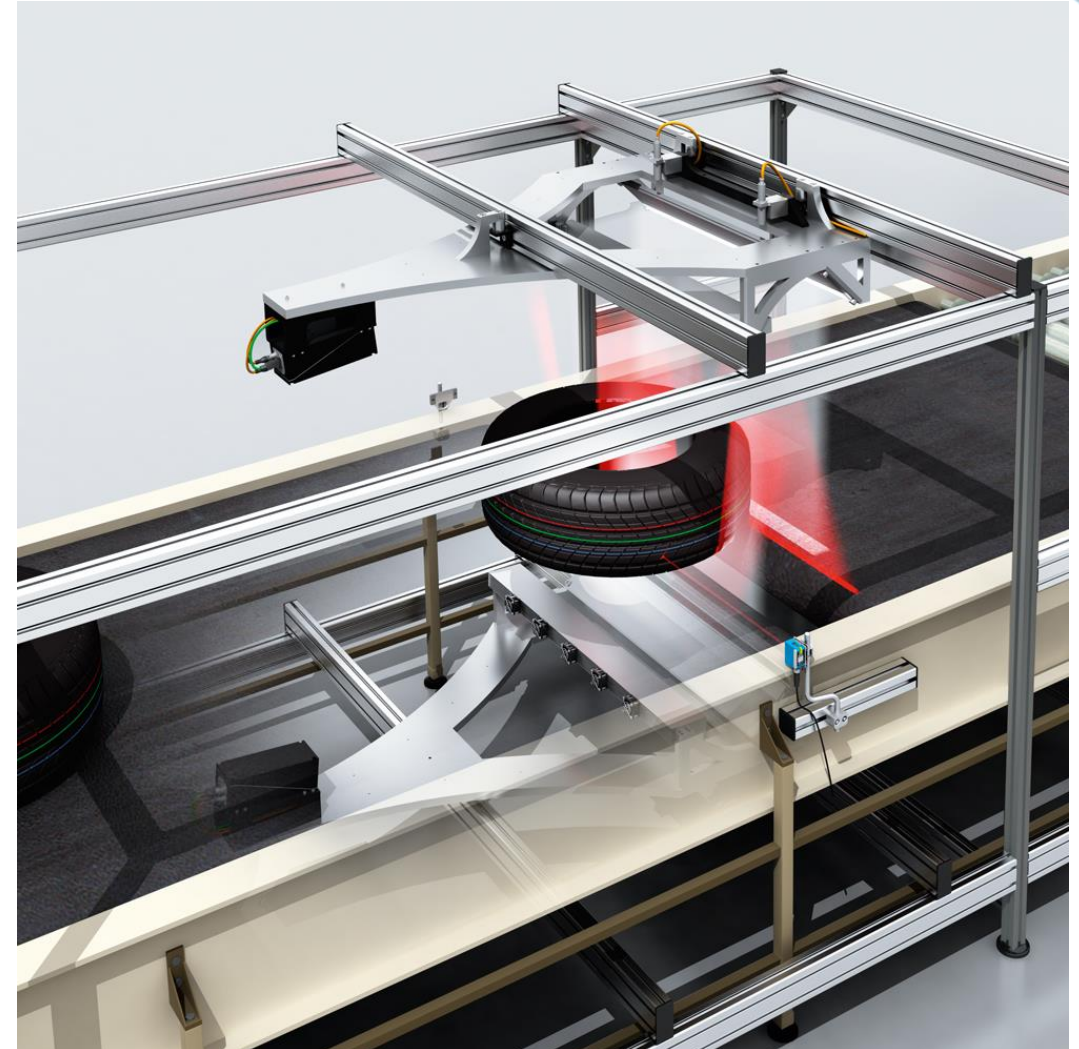
2025



# Pivoting to Quality Control Market



Recent evolutions of the project brought to the adoption of VESevo technology by tire manufacturing companies for real-time and in-situ quality control in production





# Opening Markets



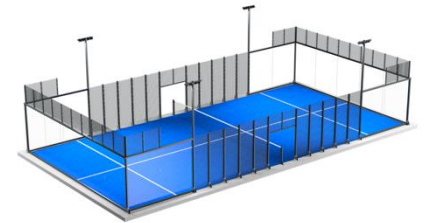
## Rubber Industrial Applications



## Leather

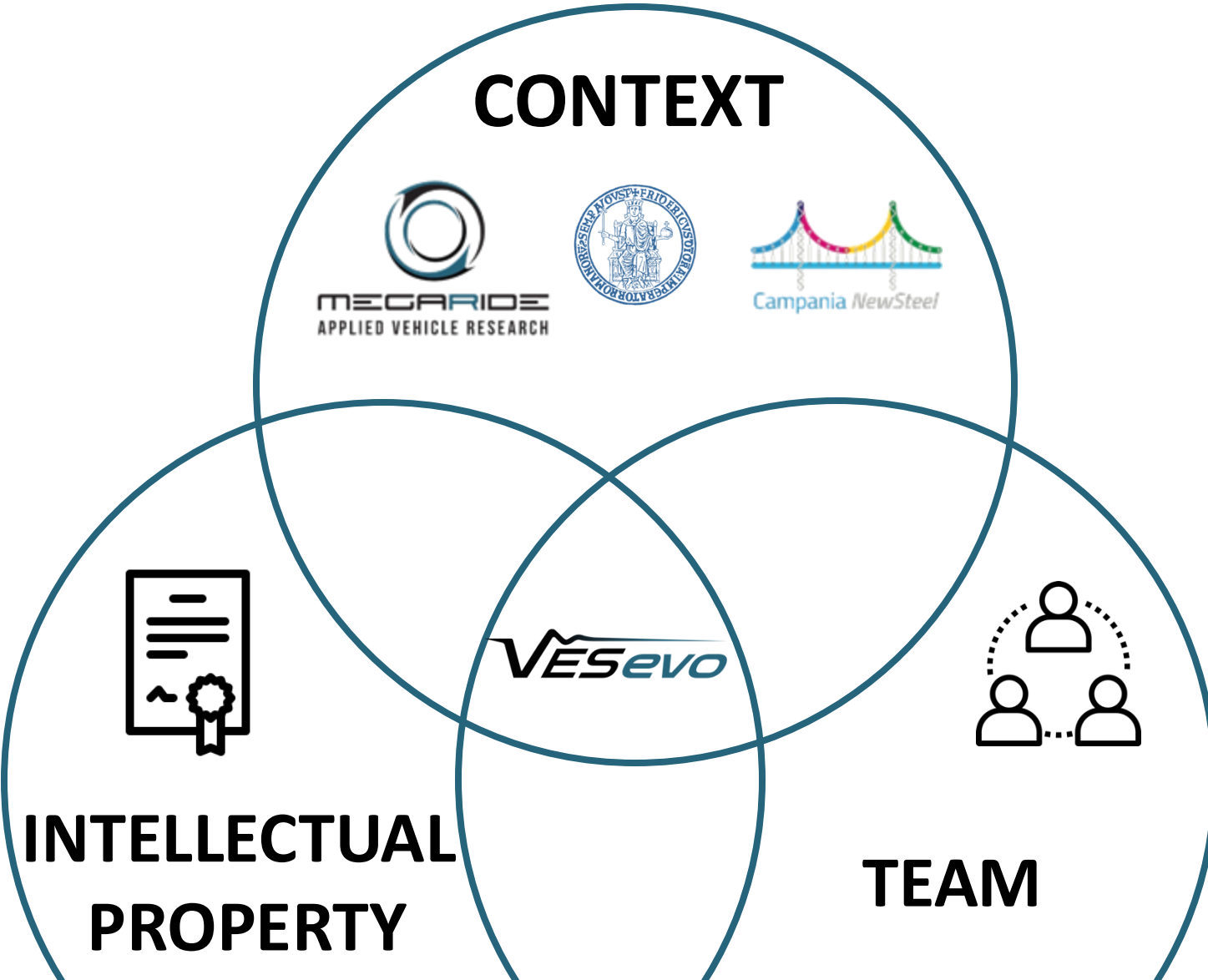


## Sport





# SUCCESS FACTORS



## AWARDS AND PROJECTS



# Automotive Testing Award 2021 Hardware Innovation of the Year



High performance tyre or have a name: NYTEX®

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AWARDS

## VESevo wins award for tire testing device

Atyrepres  
The website for tyre and wheel professionals

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## Vesevo tyre analysis system wins Automotive Testing Technology International award

AUTO E MOTORI

Martedì, 30 novembre 2021

## La start-up italiana Vesevo si aggiudica l'Automotive Testing Technology 2021

L'azienda si è aggiudicata uno dei premi più ambiti del settore automotive grazie all' hardware che consente di analizzare nel dettaglio la qualità delle gomme

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SPORT

## Innovazione

# Un premio per l'analisi dei pneumatici della startup VESevo

FORMULA 1 ULTIME NOTIZIE

## VESevo la start-up premiata dopo essere arrivata al vertice della F1

30 nov 2021, 16:49

Il dispositivo, nato dalle ricerche del gruppo Vehicle Dynamics del Dipartimento di Ingegneria Industriale della Federico II e della partnership con MegaRide, è stato premiato con l'Automotive Testing Technology International Award nella sezione Hardware Innovation of the Year che è uno dei riconoscimenti più ambiti del settore automotive.

Home Who We Are What We Do Resource

Dec 1

## VESevo Wins Award for Tire Testing Device

Tire testing specialist VESevo has won Hardware Innovation of the Year at the 2021 Automotive Testing Technology International Awards for its unique tire testing device, also called VESevo.

Simply the best

Shortlisted:

- AB Dynamics – Guided Soft Target 120
- CSM – HV Breakout Module 3.3
- Messring – M-Sled Modular
- Volvo – Ultimate Driving Simulator

automotive testing technology international awards 2021

Hardware Innovation of the Year

Winner: Viscoelasticity Evaluation System Evolved (VESevo)

MEGARIDE HOME ABOUT PRODUCTS PROJECTS REFERENCES

## The VESevo system for tire analysis wins the prestigious Automotive Testing Technology International Award

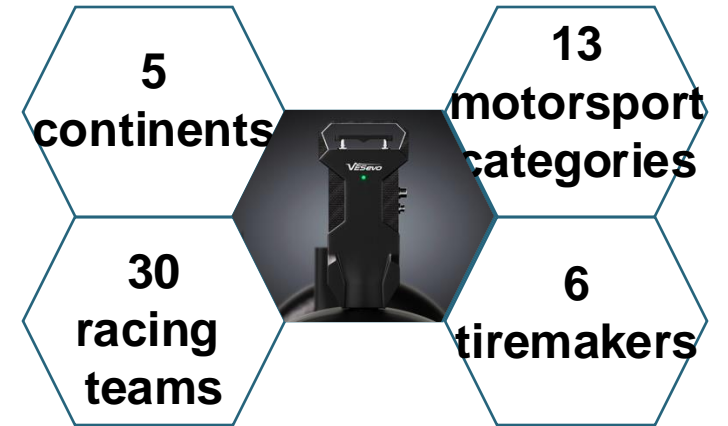
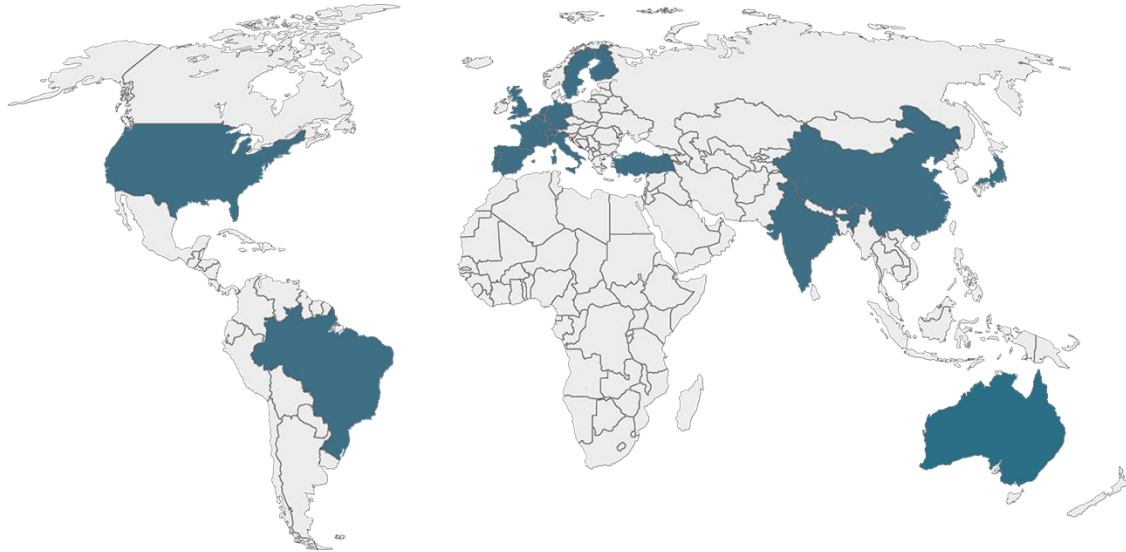








## TIRE MAKERS, OEMS AND MOTORSPORT PLAYERS APPLYING OUR TECHNOLOGY





# VESevo



[info@vesevo.eu](mailto:info@vesevo.eu)



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