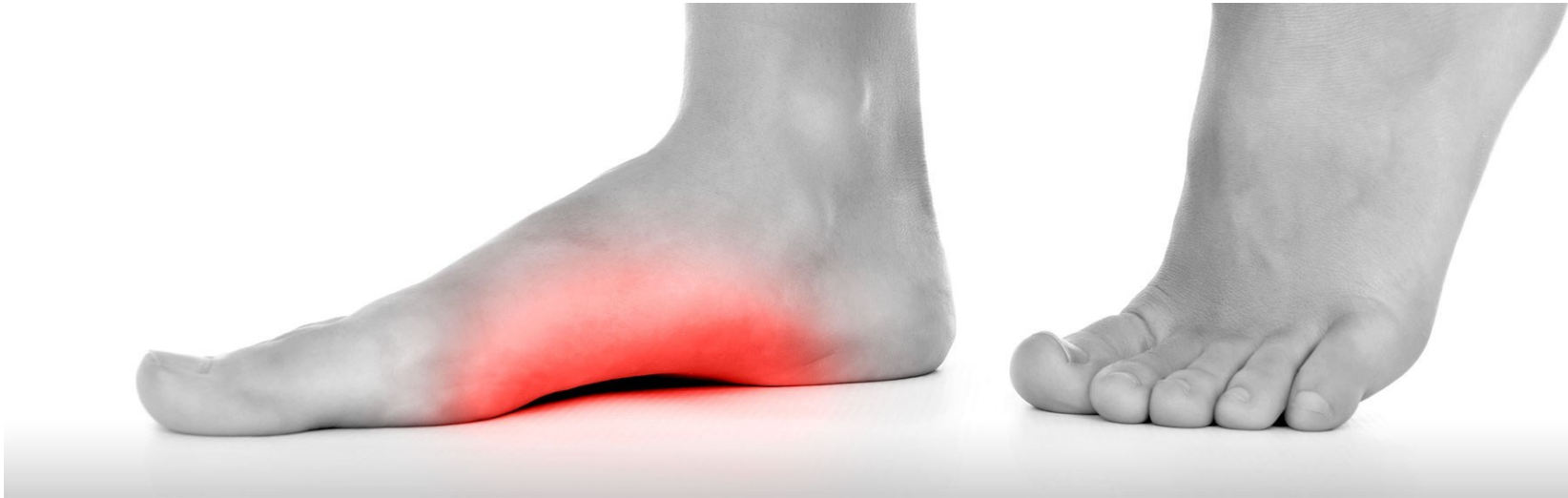




**TECHNOLOGY AT YOUR FEET**

# Problem



Sport activity limitation  
Performance degradation  
Reduced quality of life  
Tendinitis  
Muscle-tendon problems  
Flat and hollow foot  
Asymmetry



**PATENTED**





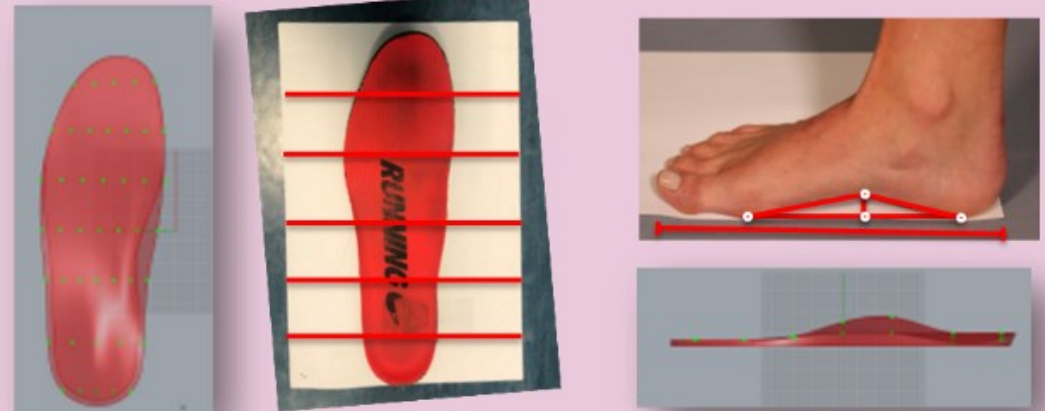
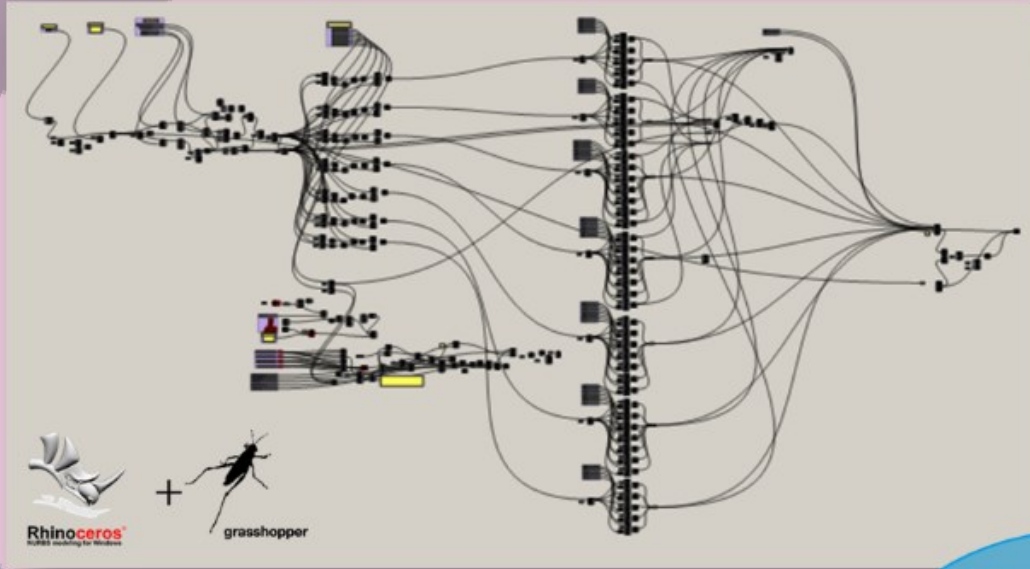
# Our Innovation

**PATENTED**

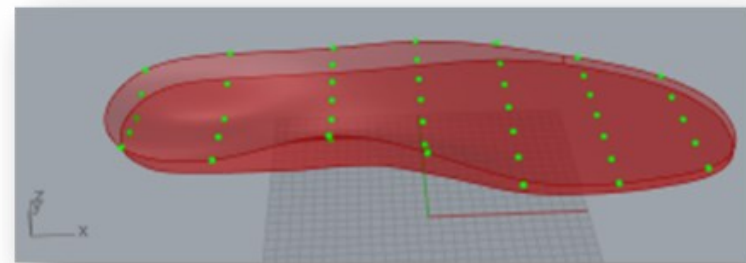


[Click here to watch](#)

# Parametric modelling



CAD model



# Solution: off-the-shelf for sport and generic conditions



Plantari sportivi PADEL



Plantari sportivi RUNNING



Plantari sportivi PALLAVOLO



Plantari sportivi PALESTRA



Plantari sportivi BASKET



Plantari sportivi RUGBY



Plantari sportivi CALCIO A 5

\*Realizzati in collaborazione con il Campus Biomedico di Roma per l'ottimizzazione biomeccanica sulla base dei carichi e delle sollecitazioni caratteristiche di ogni attività

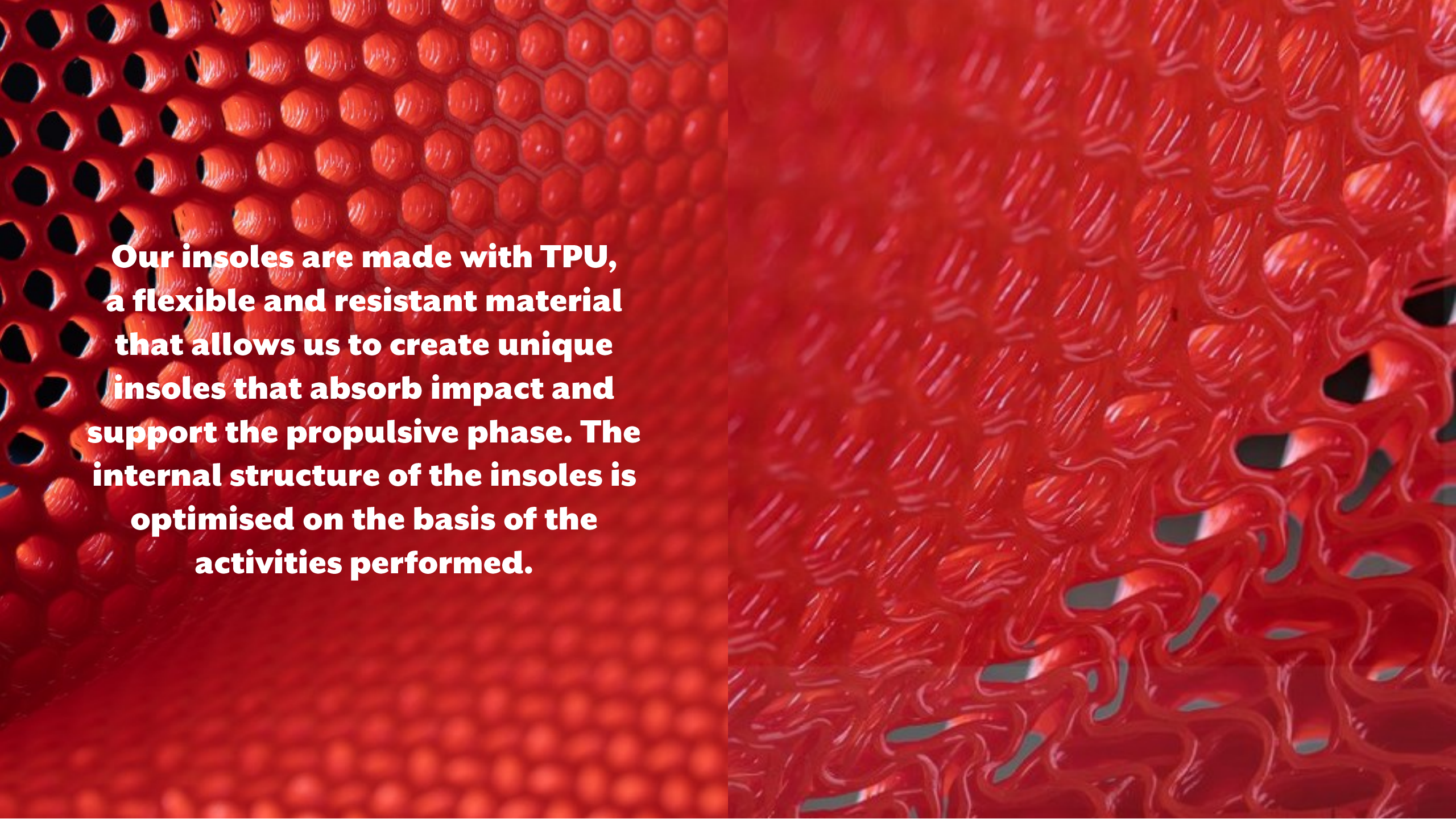


**Our personalised insoles blend the most advanced technologies and biomechanical research in an innovative product.**



**Our insoles give stability to the foot during stresses to prevent injuries and to improve performances.**

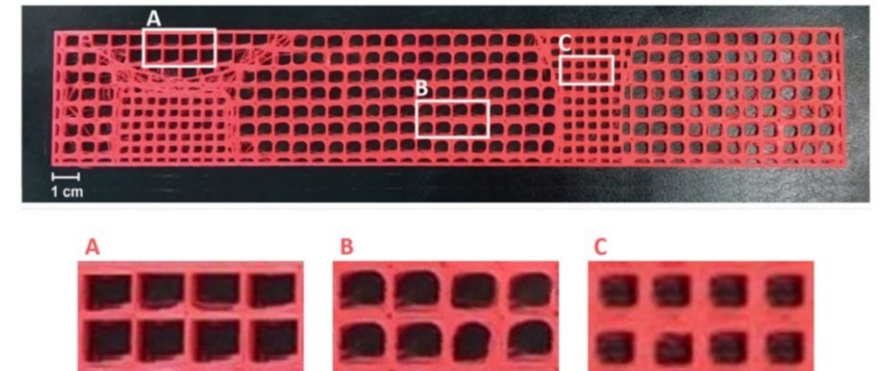
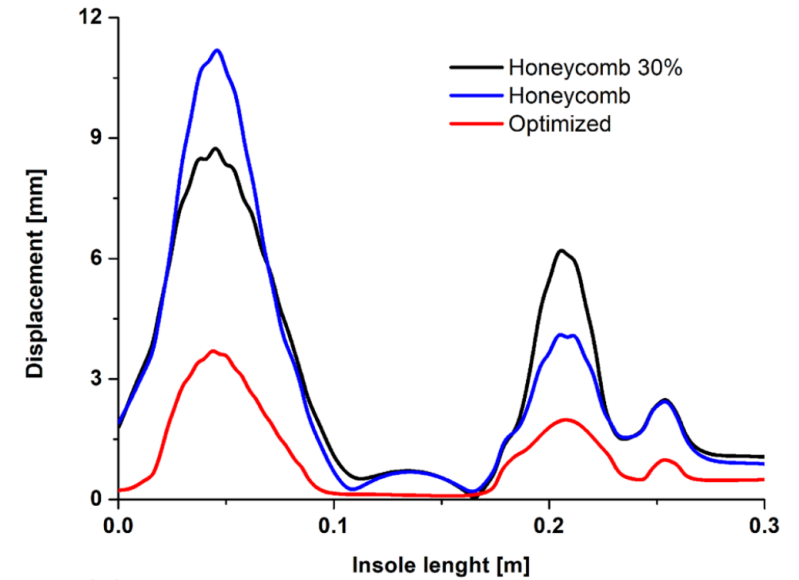
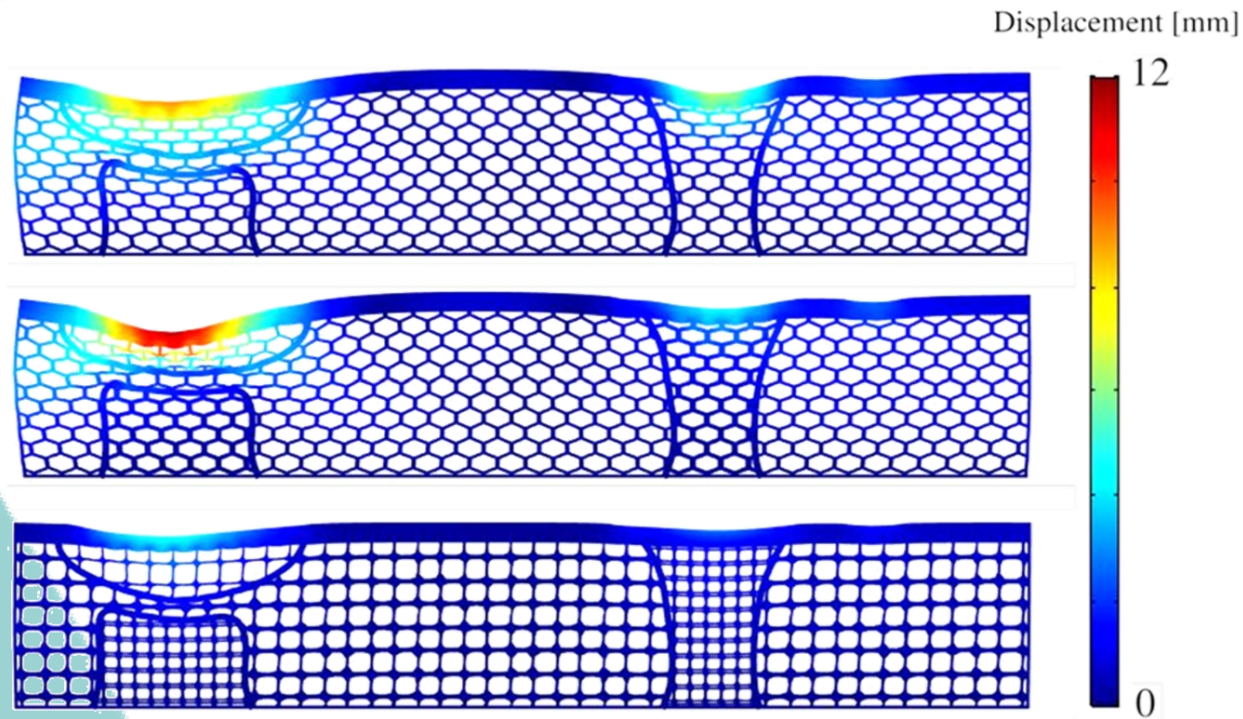




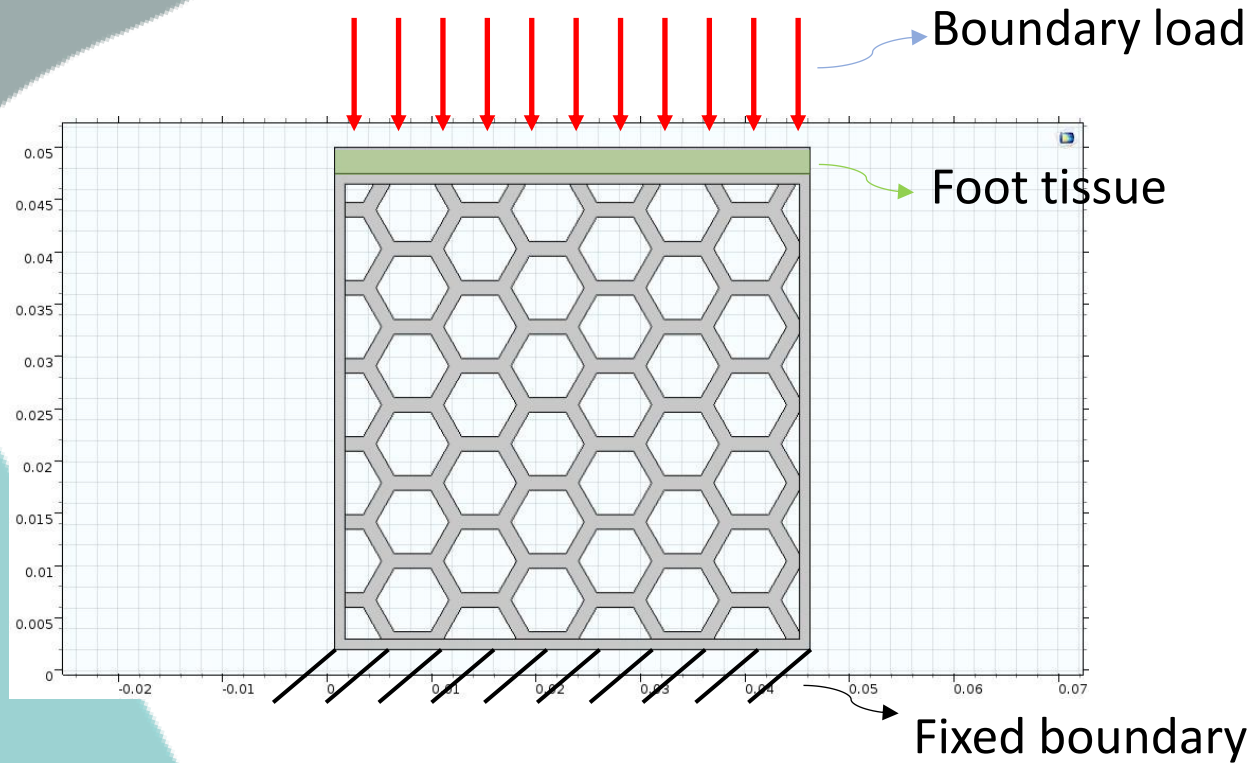
**Our insoles are made with TPU, a flexible and resistant material that allows us to create unique insoles that absorb impact and support the propulsive phase. The internal structure of the insoles is optimised on the basis of the activities performed.**



# Pressure optimisation

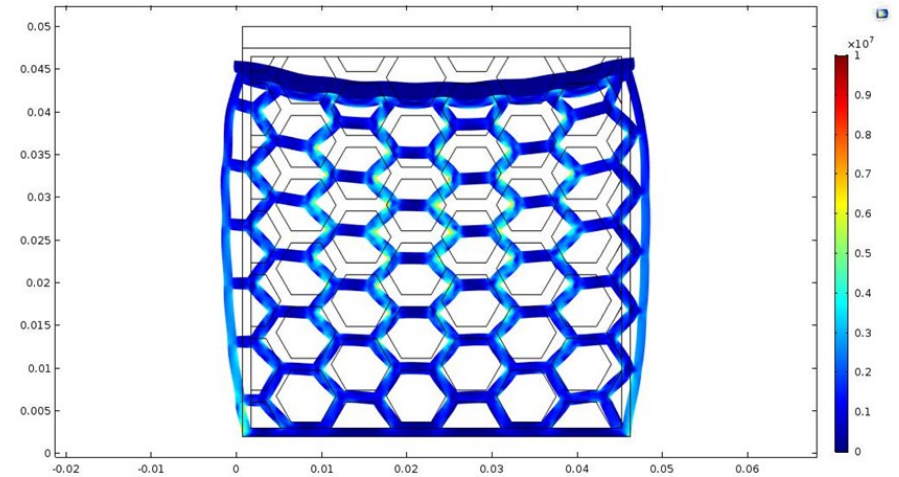


# Mechanical response

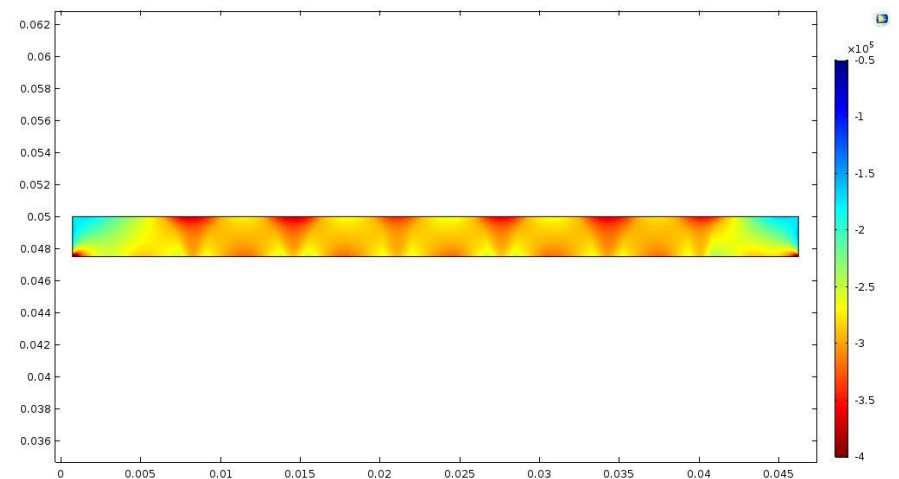


Volume fraction = 0.3453

## Von Mises stress 2D distribution map

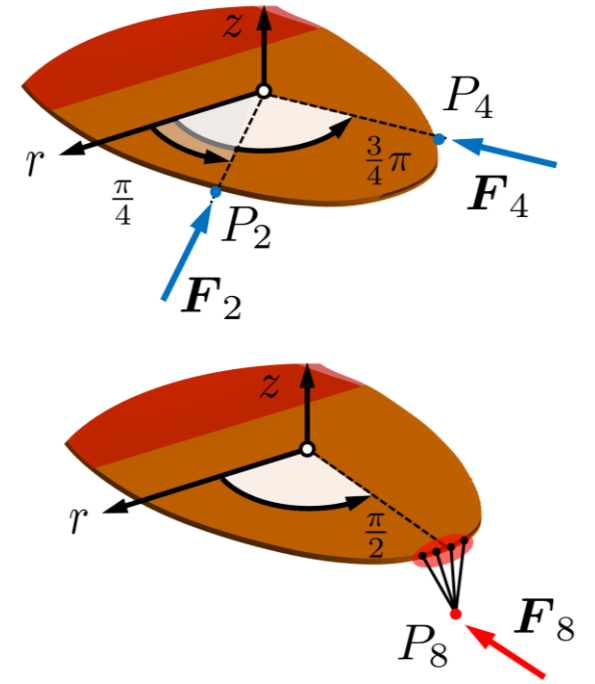
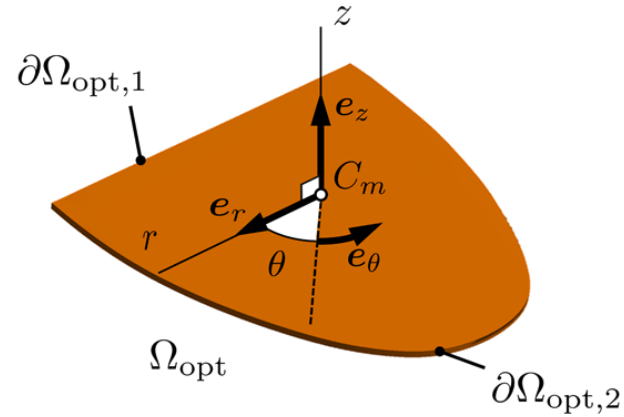
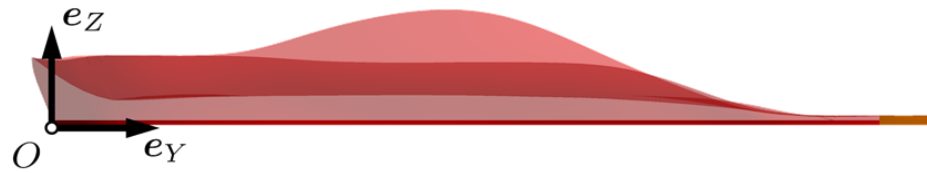
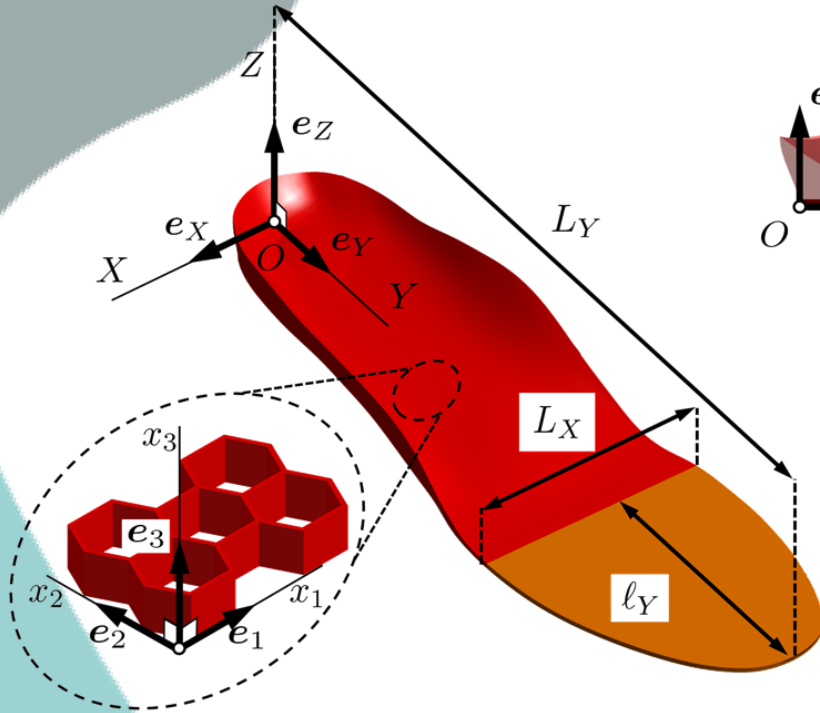


## Stress in foot tissue 2D distribution map





# Optimisation



In collaboration with the Biomedical Campus of Rome, computational analyses were carried out for biomechanical optimisation based on the loads and stresses characteristic of the main daily and sporting activities.

# Certifications

2022

ISO 9001:2015

Trademark Medere

Patent granted

IT - 102020000012568

IT – 102020000029315

IT - 1020190000006076

2023

Certification GDPR

EU Patent granted

EU - 202110672





# Who we are



## **Raffaele Ferrante, co-founder & CEO**

PhD in Computer Science and Control  
8+ years grants application experience  
8+ years management experience  
4 patents



## **Marco Mannisi, co-founder & CPO**

PhD in Health and Life Sciences  
8+ years research experience  
8+ years CAD and 3D print experience  
4 patents



## **Daniele Bianchi, co-founder & CTO**

PhD in Structural Engineering and Mechanics of Materials  
8+ years research experience  
8+ years computer simulation experience  
4 patents

## Consultants

Regulatory



IP Protection



Legal



**Tonucci & Partners**  
Because we care

Business



Marketing &  
Communication

**Les.**

# Padel Champions



**Daniele Cattaneo**  
**N° 119 WPT**  
**&**  
**Michele Bruno**  
**European Champion**



**Silvia Storari**  
**Vice World Champion**  
**&**  
**Noemi Cascella**  
**European Champion**



**Erika Zanchetta**  
**N° 2 Italian Ranking**



# Padel Champions



**Martina Pugliesi**  
**N° 4 Italian Ranking**



**Giulio Graziotti**  
**Italian National Team**  
**World Padel Championships 2022**



**Luca Mezzetti**  
**Italian Champion 2019**  
**N° 5 Italian Ranking**

# Volleyball Champions



**Aimone Alletti**  
**Prisma Taranto**  
**Superlega**



**Davide Stoppelli**  
**San Giustino A3**



**Francesca Trevisan**  
**Volley Offanengo A2**



# Volleyball Champions



**Matteo Zamagni**  
**New Mater Volley A2**



**Pierlorenzo Buzzelli**  
**JVC Civita Castellana B**



**TECHNOLOGY AT YOUR FEET**