

Injury prevention & monitoring

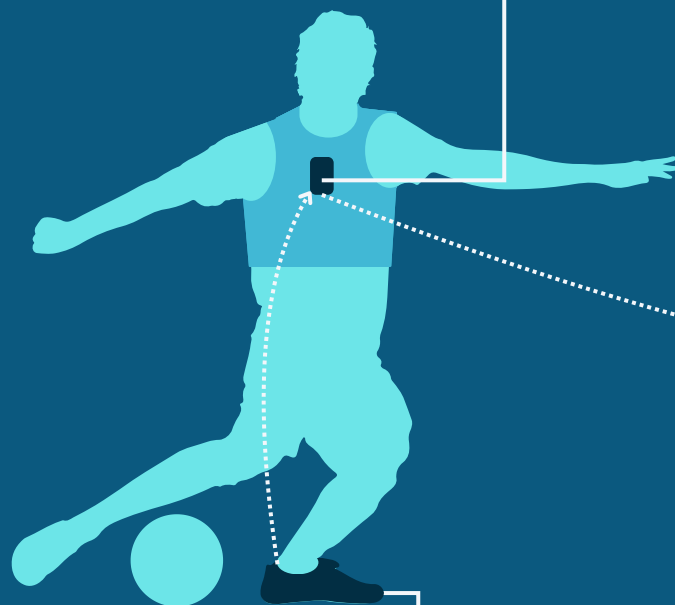
by **phyling**

The first and only solution capable of estimating lower limbs fatigue and kinetics to reduce injury risk.



This football shoe is equipped with instrumented studs to measure ground reaction forces (GRF).

A complete package



MaxiPhyling : GPS tracker & recording

GPS, IMU & data recording : everything is gathered in one module that has already been used by elite athletes, especially in track cycling and rowing during the Tokyo 2021 & Paris 2024 Olympics to monitor athletes performances.

STUD-e : the connected stud

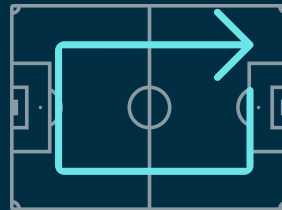
This unique stud is the result of 6 years of research and 2 patents : it's equipped with force sensors (strain gauges) to precisely measure the force applied by the player.

The Hub : analysis & monitoring

Data is retrieved and analyzed to compute more than 50 parameters indicative of the player's fatigue and injury risk. This data, recorded during each session, allows coaches to monitor each athlete individually and reduce their injury risk. This analysis comes from 3 years of research and a PhD in partnership with Université Paris Saclay.

Easy-to-use

In only a couple of minutes, it is possible to monitor the level of fatigue during each session.



One lap around the pitch before and after training.



Fatigue Index is computed at each session (based on musculoskeletal load)



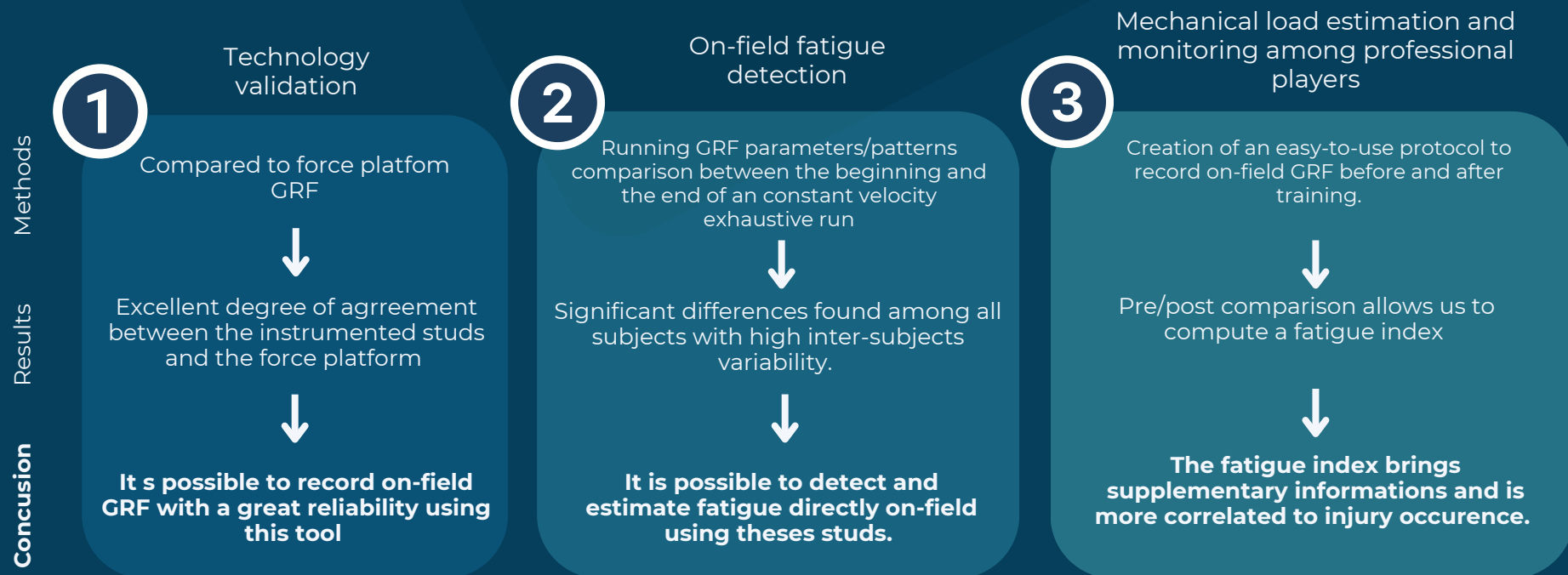
A complementary insight on players' fitness (in comparison with standard GPS trackers).



Monitoring of running kinetics and kinematics parameters monitoring (asymmetry, joint loads, cadence, etc.)

Approved by research

Development of a football-specific methodology to assess mechanical load in football using instrumented studs: towards an injury prevention perspective



*If you are interested, contact us via
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