

EXOLIGAMENTZ

A new type of athlete finger and hand protection

BACKGROUND



Gripping is a vital aspect in combat sports such as Brazilian Jiu-Jitsu, judo, grappling, and in many ball sports.

However, it often leads to finger and hand injuries caused by abnormal motion of the joints.

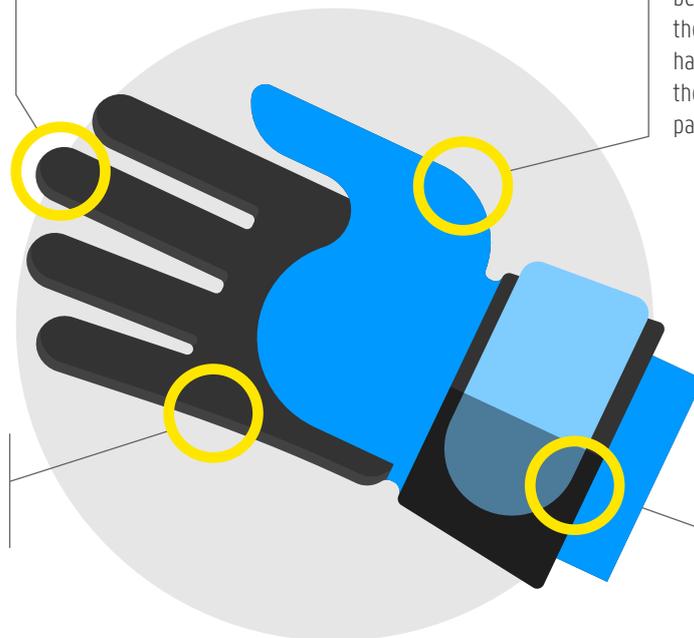


The common taping approach has various limitations and requires an alternative solution.

Therefore, student-entrepreneur Ashkan M.H. Joshghani designed a unique sports glove.

THE PROJECT

Exoligamentz is a finger-protective sports glove which includes distinctive joint protection techniques resulting in a new concept of a functional orthosis.



A dedicated partnership between Ghent University and the student-entrepreneur has been established for the development of this patent protected sports glove.

Its unique design strives to restrict abnormal motion while maintaining functional movement of the athlete's hand.

This glove may impact various markets and end users such as the orthopaedic market.

ADVANTAGES



Time-saving

Contrary to a common taping approach, the glove is re-usable resulting in a great time-saving during training and competitions.



Unrestricted movement

Care has been taken to enable any kind of finger and hand movement required during sports.



Joint protection

The unique design ensures an enhanced joint protection by restricting abnormal movement of the fingers or hand joints.

OUR GOALS



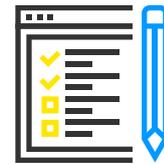
Prototyping

Develop a fully functioning prototype of the glove, using proper materials and appropriate production technology.



Testing

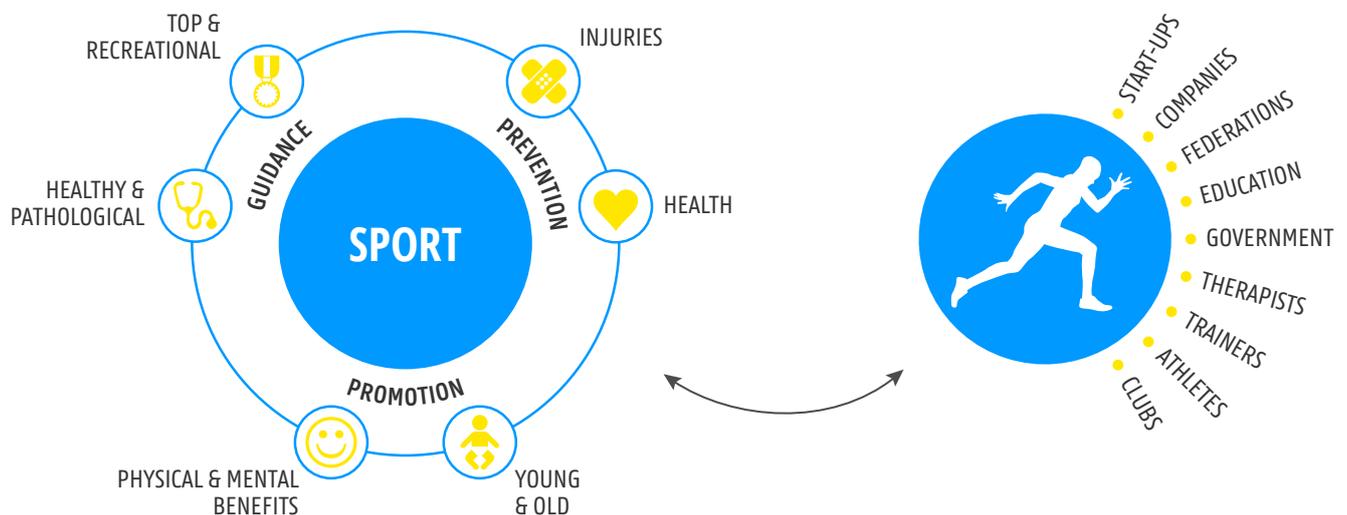
Investigate the biomechanical effects in a reliable, easy-to-build test method and set-up.



Validating

Confirm and validate the findings by working closely together with end-users, sports clubs and interested companies.

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