

Archinisis launches wearable system to revolutionize the performance analysis of elite track and field athletes

Archinisis, specialized in performance tracking in winter sports, enters the summer sports market. The novel system, based on a miniature wearable sensor worn on the upper back and a cloud application, brings unprecedented insights into the everyday performance of an athlete. Instead of performing expensive and time-consuming performance tests only 2-3 times a year at specialized centres, track and field athletes will automatically obtain detailed performance analysis for each of their training.

“With the summer Olympic games postponed, athletes are looking for new stimuli. With our experience from winter sports we were able to develop a new system in record time. We can give athletes what they need to stay on top and optimally prepare the upcoming competitions”, says Dr. Benedikt Fasel, CEO of Archinisis.

Only minutes after each training the cloud application provides information such as running cadence, step length, centre of mass speed or motion asymmetry. Coaches and athletes can see whether the movements were efficient and well executed. Training can be optimized and progress monitored closely, ensuring that the athlete will show his best performance on competition day.

Disciplines supported currently are sprint running, hurdles and long jump. Over the next weeks high jump and pole vault will be added.

For long jump, for example, the system measures how well the last step was able generate enough momentum for the longest jump possible. For each individual athlete, the optimal jump strategy can be rapidly identified and improved – the coach does not even need to be physically with the athlete for every training.

“We were surprised by the positive feedback we obtained during our tests with selected international-level athletes and coaches. They were impressed about the simplicity of the system, the level of details it provides, and how they can use it to increase their performance”, adds Benedikt.

This product will further strengthen Archinisis’ position and helps to establish the young company as a reference for innovative everyday performance analysis and tracking in elite sports.

Contact: Benedikt Fasel, benedikt.fasel@archinisis.ch, +41 79 736 89 49

Multimedia material: https://www.archinisis.ch/downloads/multimedia_track_and_field_launch.zip

About Archinisis

The Swiss company Archinisis was founded in 2018 by Dr. Benedikt Fasel as a spin-off from Ecole Polytechnique Fédérale de Lausanne (EPFL). Archinisis is specialized in the development of sensor- and video-based performance analysis systems for elite athletes. All systems are easy to use and provide research centre-grade performance feedback immediately after each training without requiring any extra staff. Among its customers for winter sports performance analysis are the French and Finnish national teams.