

BIOFREE

FREE MOVEMENT ANALYSIS SYSTEM



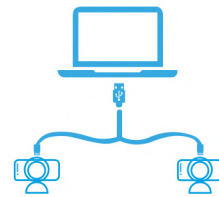
✓ Portable



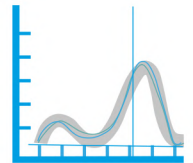
✓ Accurate



✓ Inexpensive



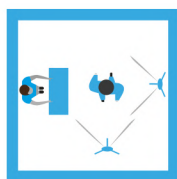
✓ Easy to install



✓ Reference Values



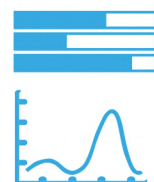
✓ Does not require installation works



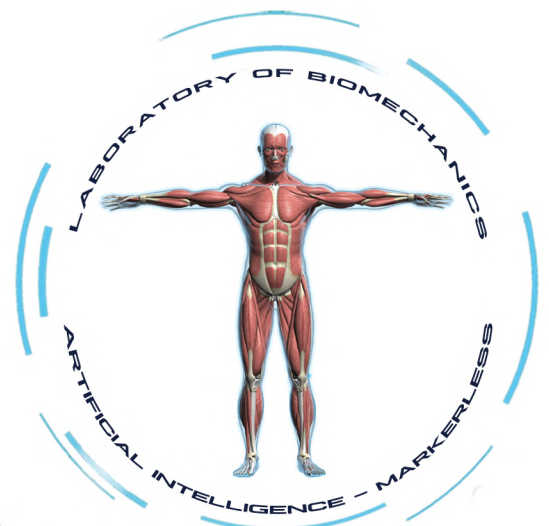
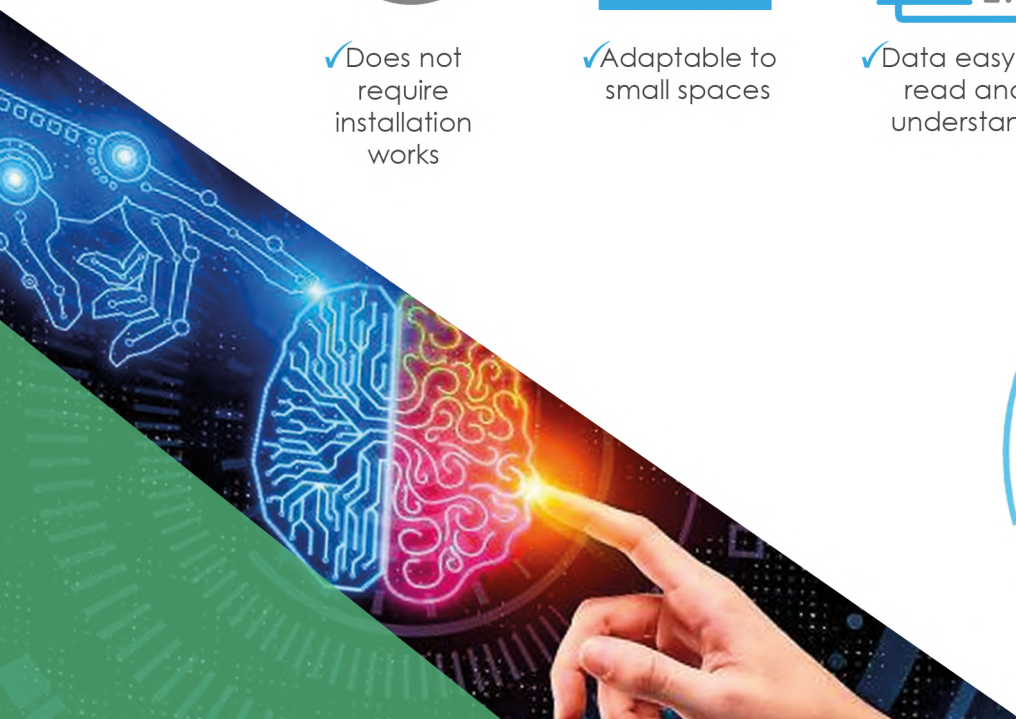
✓ Adaptable to small spaces



✓ Data easy to read and understand



✓ Intuitive graphic representation



WHAT IS BIOFREE?

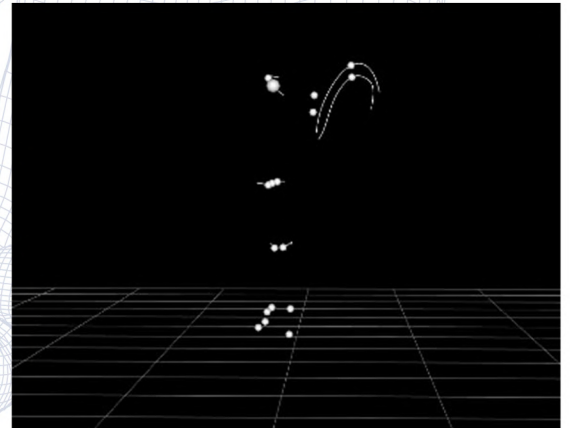
BIOFREE is a markerless motion capture system that allows:

- Capture and Evaluate any gesture of the human body in the Sports, Clinical, Ergonomics and Research fields.
- Calculate angles, velocities, accelerations and joint positions.
- Record the same movement from 2 planes simultaneously.
- Compare 2 videos with CROSSFADE: ideal to evaluate the same gesture of 2 athletes, or the same athlete before and after a technique correction or treatment.

CONVENTIONAL TECHNOLOGY



BIOFREE



Markerless Technology

The joint centers are located by means of artificial intelligence based on the patient's movement.

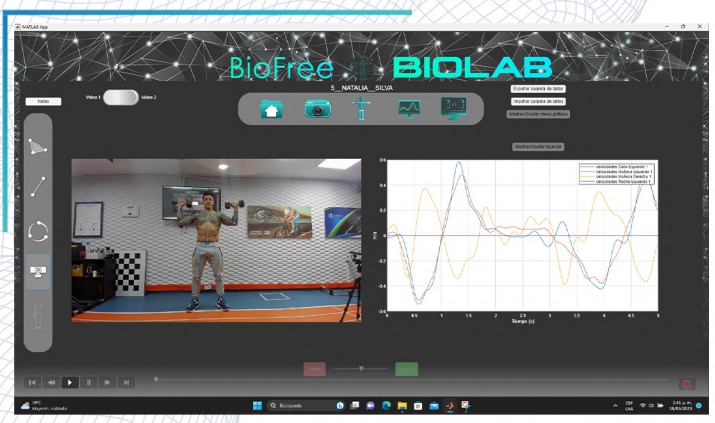
HOW DOES BIOFREE WORK?

Taking advantage of Artificial Intelligence and neural networks we have created a system that allows us to recognize the human body in motion, in small spaces, indoors and outdoors to calculate its joint centers and consequently export the data for processing.

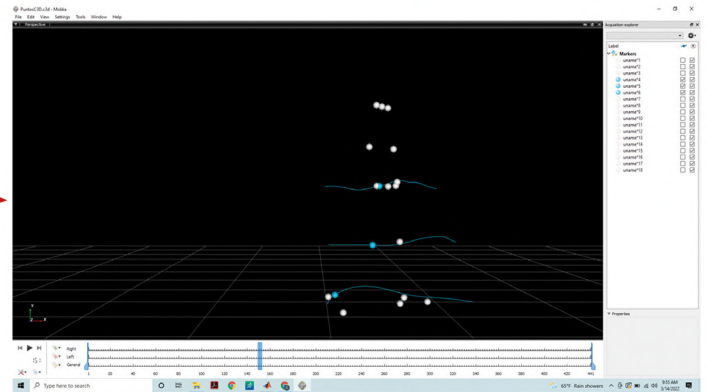
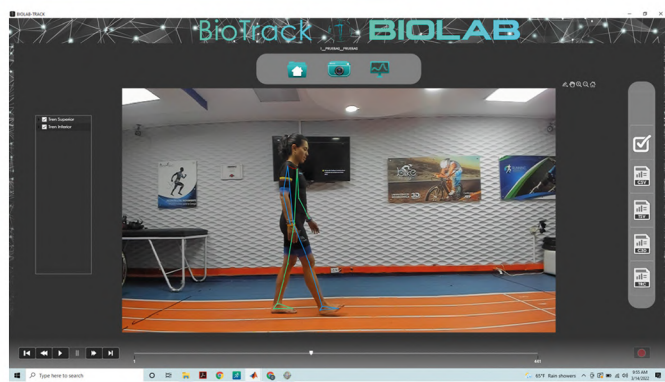
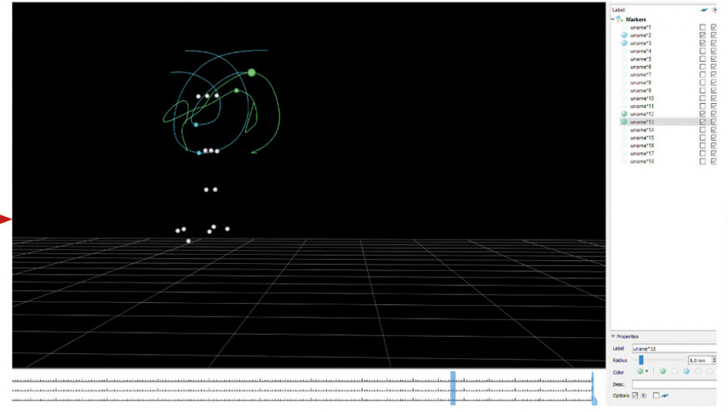
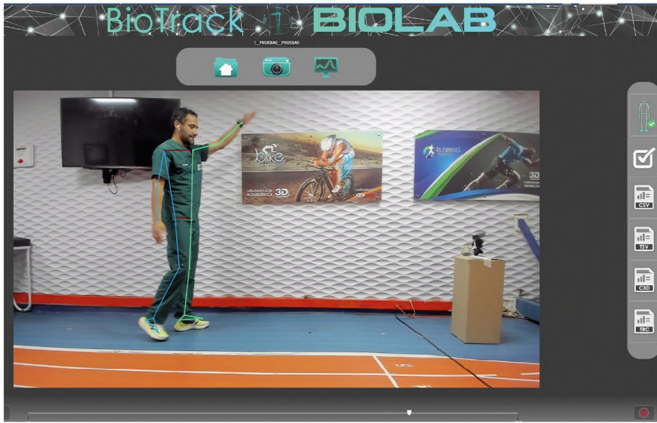


WHAT IS THE PURPOSE OF BIOFREE?

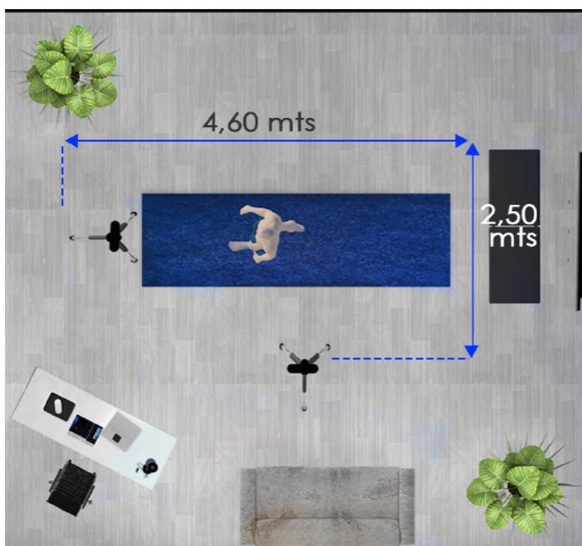
To Democratize the capture and analysis of movement in the world, facilitating its access for any company or institution, since historically access to these data has been limited because they have been taken with complex, large and expensive Biomechanics Laboratories.



BIOFREE INTERFACE



Note: Being a software of measurements and free movements, **BIOFREE** does not have specific gesture protocols, for this we have available the cyclic gesture modules: **BIORUN** (Running), **BIOSBIKE** (Cycling), **BIOGAIT** (Gait) y **BIOPOSTURE** (Posture).



✓ **BIOFREE** requires a minimum space of 4.60 x 2.50 meters of free area and can be located in an consulting room, or rehabilitation area with no particular lighting or electricity requirements.