



***We turn motion
into science***

You can turn it into profit

Running or riding a bicycle may seem simple, but our movements are so complex and subtle that only cutting-edge technology can fully reveal them for close scrutiny. Technology like the Qualisys Sports Performance system.

The basis is our own superior motion capture and analysis technology, developed through years of close cooperation with medical professionals and the scientific community. It's used in research and rehabilitation facilities all over the world, providing data that both expand our knowledge and help professionals help their patients return to a full life.

With Sports Performance, Qualisys technology enters new ground. The system is designed to provide runners, cyclists and their trainers with a solid, evidence-based foundation for improving performance and reducing the risk of injury. It's scalable, easy to use and provides clear and immediately useful results.

It's already in use in professional sports and sports research. Gym franchises and sporting goods retailers offer customers analyses to help them improve. Research institutions use the system both for scientific work and to expand their offer to the general public. Most are surprised by the quick return on investment.

Qualisys Sports Performance expands the scope of scientific motion analysis, providing new and exciting business opportunities. But the science at the heart of it is still solid, making the system a valid research tool as well.

www.qualisyssports.com



Sports Performance for business

Detailed biomechanical analysis as a basis for performance enhancement is an eminently marketable asset. Since the system is scalable, there is a package to suit every budget, with hardware, software – including an online booking system – support and training.

For the test subject, the process involves a 10-minute test, followed by interaction with the trainer. Problems are identified and remedies can be tried out immediately. After the one-hour session, the results become available online as a basis for further study and training, and the outcome can be assessed through follow-up tests.

For athletes – pro, elite or serious amateur – the advantages are obvious, and worth paying for. Our customers generally recoup their investment within the year and gain new and loyal customers in the process.





Here is how it works



1. The athlete runs on a treadmill or rides a bike for ten minutes. The system records everything in 3D.



2. The coach provides initial input and a preliminary web report is presented.



3. The coach goes through the results in detail and offers initial recommendations.



4. After one hour the test is completed and the athlete receives his or her web report.



5. The report displays a range of 30 key parameters for good technique.



6. Multiple 3D video recordings allow the athlete to assess his or her technique.



7. Coaching tips to improve the posture and technique are provided.



8. The final result is an individual training program, with explanations and videos.



9. Using a personal login, the athlete can access all data and further information on the website.

Business model for sporting goods retailers



Pay upfront

Break even / week**

~ 5,5 analyses week
< 3 years ROI



Partial Payment

Break even / week**

~ 6 analyses week
< 3 years ROI



Leasing agreement*

Break even / week**

~ 6,5 analyses week
cover monthly cost

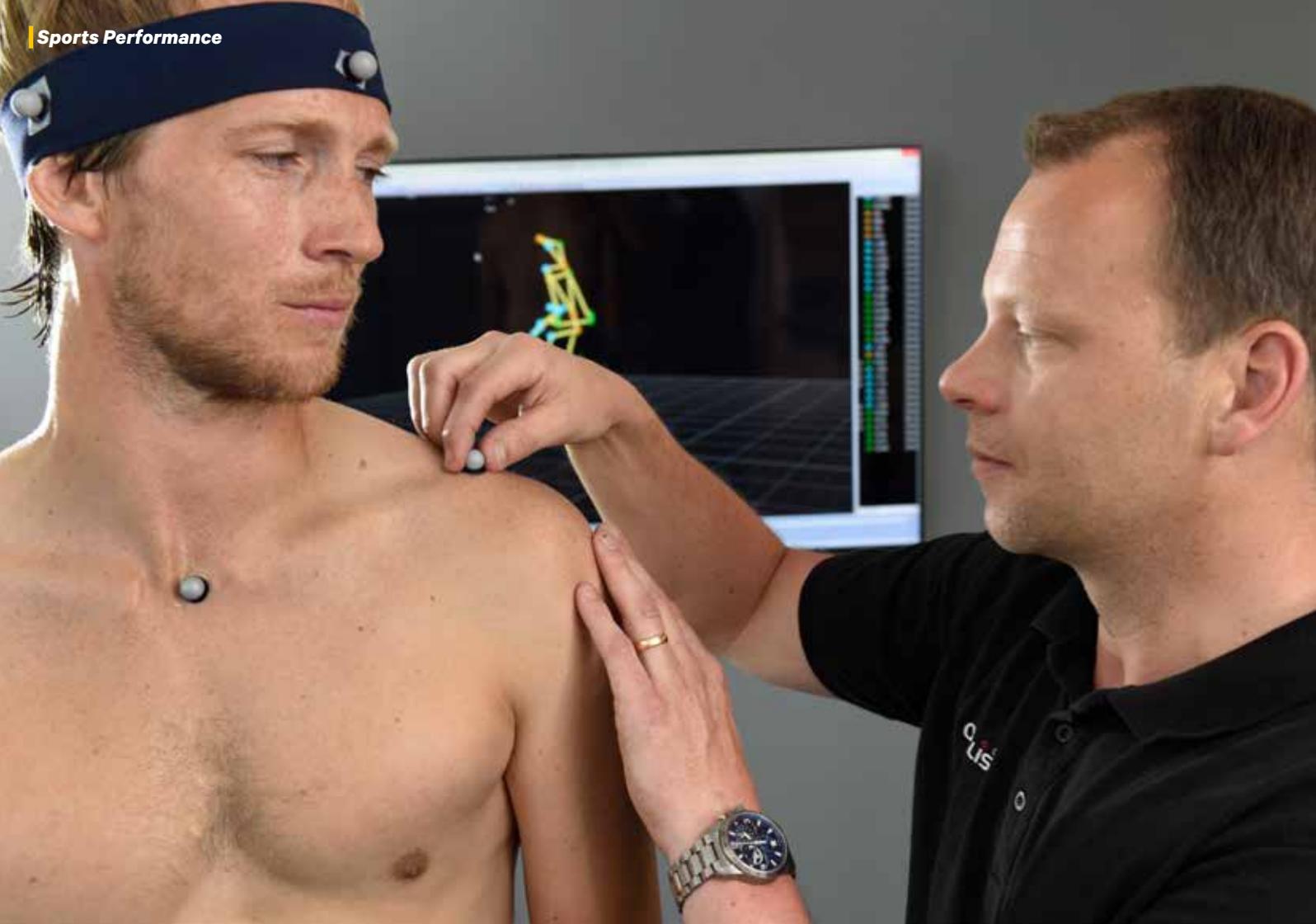
* local bank or Qualisys **40 week/year, 100 EUR/test)

Sports Performance for research and rehab

Developing tools for objective analysis of human movement for research and rehabilitation purposes is the very basis of Qualisys as a company. The Sports Performance system embodies the results of years of innovation and close cooperation with world-wide academia and provides the same level of accuracy and detail as our purely clinical systems.

Using alternative software, it can be fully customized to suit the goals and workflow of your research project as well as to provide reports in the format of your choice. In short, Sports Performance is a powerful and uncompromising research tool that also offers commercial opportunities.





The system

The Qualisys Sports Performance system is camera-based and uses markers, i.e. small reflective or light emitting balls attached to the subject's body. With a frame rate of 400 fps, the system offers significantly higher precision and accuracy than other motion-capture technologies, including marker-less video analysis and methods based on wearable inertial sensors.

Sports Performance is specifically designed to register and analyse the movements of the human body while running on a treadmill or riding an training bike. The cameras provide a 360° view from head to toe, registering every subtle detail and all the minute interactions between the various parts of the body. Easy-to-use analysis and display software make the detailed results understandable and useful to the layman as well as graphically pleasing for online publication. At the same time, the extensive data needed for clinical research, rehabilitation and follow-up is all there and fully accessible.

Cameras

- > Miquis mocap cameras @ 300 frames per second
- > Laptop or desktop with big screen

Accessories

- > Passive markers
- > Cables
- > Mounting devices
- > Power supplies etc.

Software

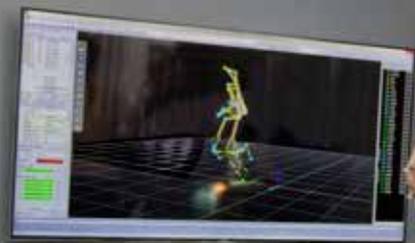
- > Qualisys Track Manager
- > Running Performance web report & booking system

Optional

- > Qualisys branded treadmill
- > Qualisys recommended trainer for cycling analysis

Support & Service

- > Full agreement during 5 years



Qualisys AB

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References Sport Business



Salming RunLAB



Swissbiomechanics AG



RSScan INTERNATIONAL



Shyros Sport



Virginia Commonwealth



Reebok



Salomon



University of Nebraska

References Sport Research



Bosön/RF,
Sveriges Olympiska kommitté



Norwegian University of Science and
Technology, NTNU Olympiatoppen



Liverpool John Moores
University



JISS, Japan Institute of Sport
Science, Tokyo



University of the Sunshine
Coast, Australia



Sochi Federal Training Sport Center
(Winter Olympic games 2014 Sochi)



Texas Health Ben Hogan
Sports Medicine, US



The Pennsylvania State University, Golf
Teaching and Research Center, US