

2018-07-04 Press Release



Qualisys and Monark Exercise partner up to offer a combined cycling and running analysis solutions.



The first joint event was at Riksidrottsförbundet at Bosön in Stockholm, Sweden, where Qualisys and Monark demonstrate the collaboration.

Qualisys, a leading provider of advanced systems for optical motion capture measurement and analysis within sports, medical, industrial and research sectors, has teamed up with Monark Exercise AB to offer a total motion analysis solution.

Monark Exercise AB develops, manufactures and markets cycle ergometers, treadmills and exercise bikes for hospitals, health care facilities, sports medicine institutions and research laboratories.

The two companies have now signed a cooperation agreement to offer complete integration of two different systems into one solution including cameras, bicycle trainer, report, guidance, and additional integrated technologies.

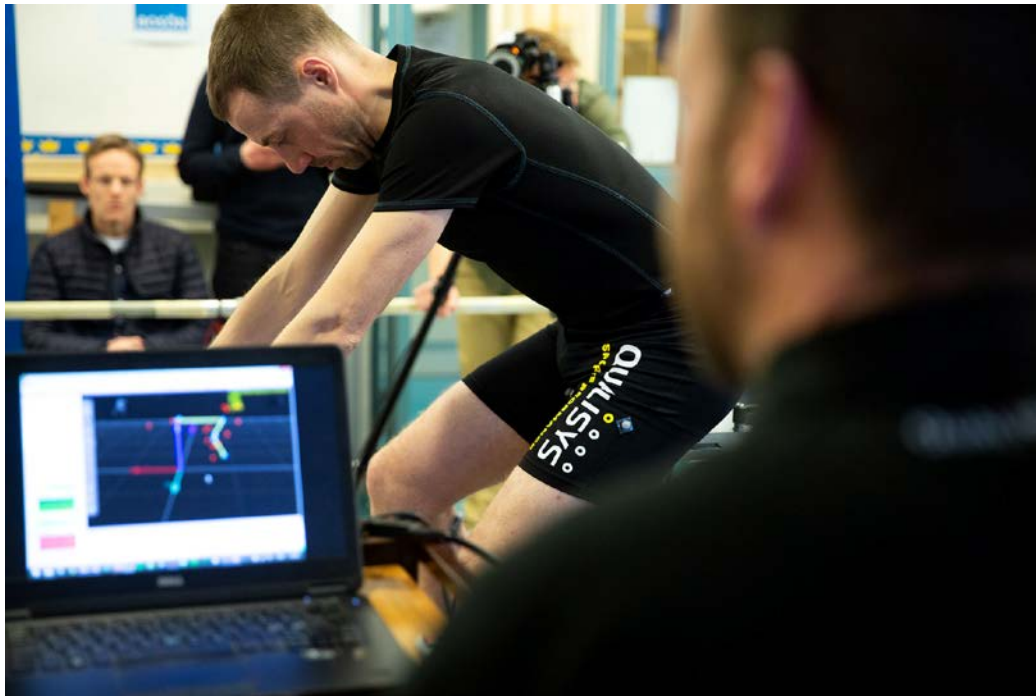
“The natural relationship between motion capture and sport analysis, especially for running and cycling, makes this an effortless step. This product will simplify the analysis work tremendously as all data is synchronized and combined into one report”, says Mikael Swarén, Product Manager at Monark Exercise.

The products will open up new possibilities within sports and medical applications.

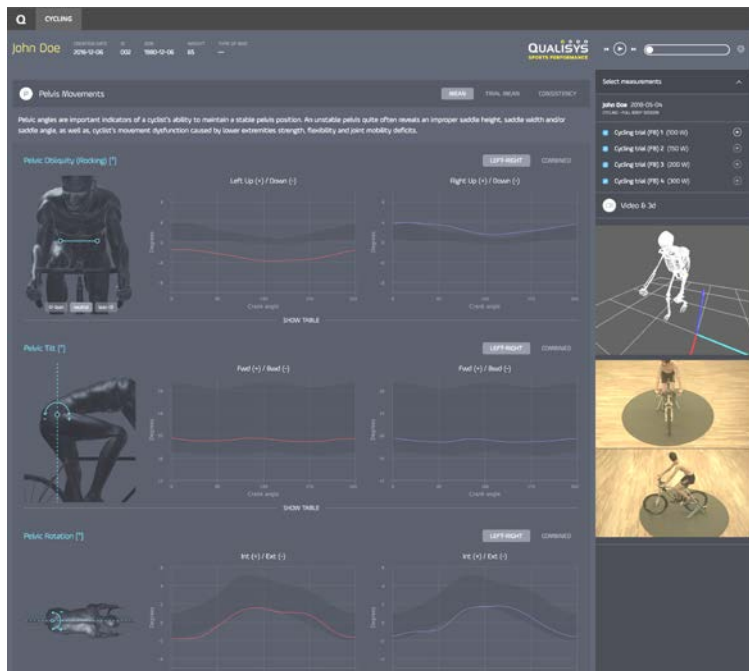
In sports, the combination of kinematics and detailed work load data, such as power output, cadence and running speed, will provide better and more accurate analyses in an easier and faster way. Sport scientists as well as commercial test facilities, performance institutes and sporting goods retailers will get better and more detailed test reports in less time allowing them to perform more tests or focus on other important tasks.

In the medical field, detailed biomechanical analyses combined with monitored exercise loads will create unique opportunities to optimize programs in areas like rehabilitation, physical training and prosthetic training.

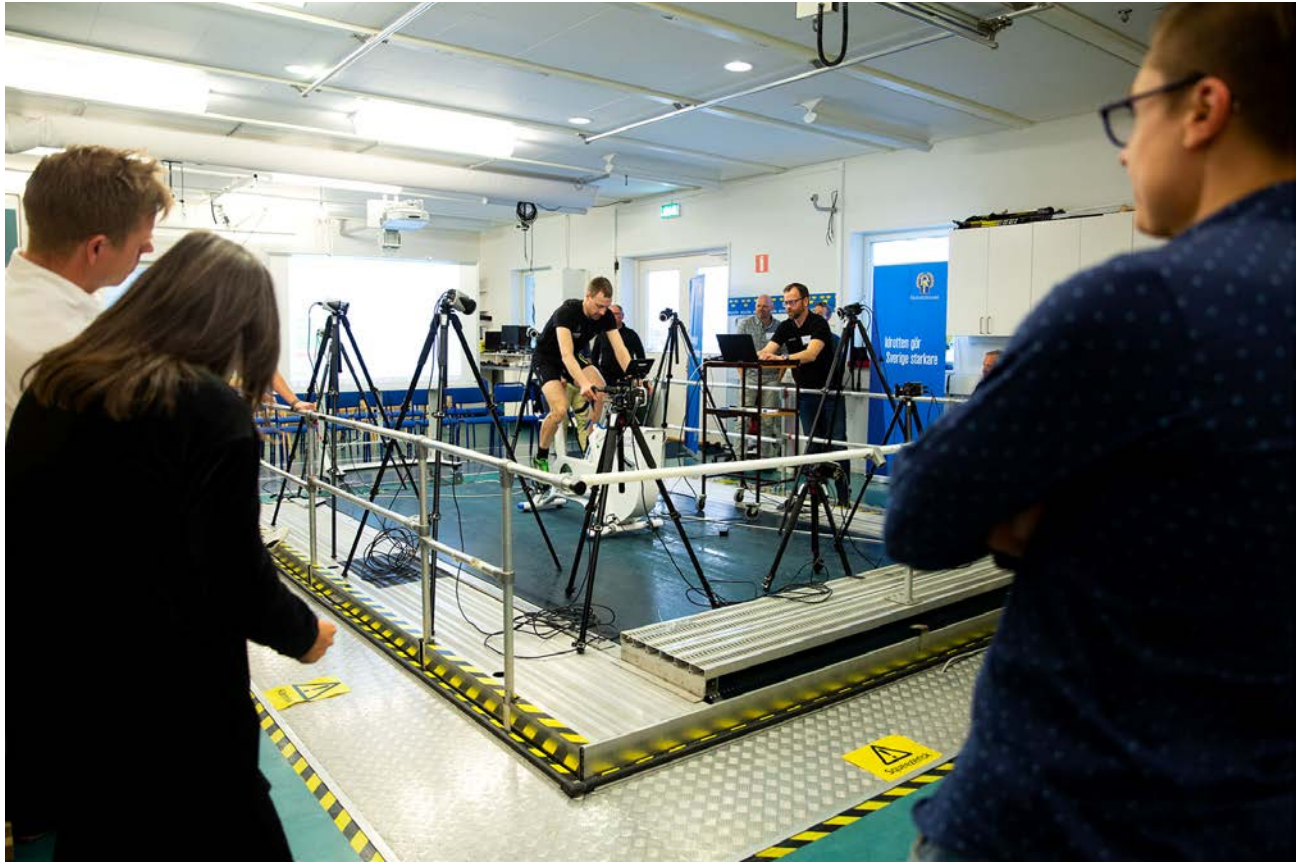
“Monark and Qualisys are already serving the same customers and we are really excited to now be able to offer this product to the market as it creates significant added value to customers”, says Patrik Almström, Market Director Europe at Qualisys.



The data is streamed in real-time using the Qualisys Track Manager (QTM) software.



The data can be visualized in a comprehensive web report.



Live demo of the system. Fredrik Edin is the test subject and Patrik Almström is pictured collecting data.

How it works

The cycling and running analysis packages come with Monark Exercise's premium cycle ergometer and treadmill and is powered with Qualisys' advanced pipeline, which performs full-body biomechanical analysis of the captured motion data. With feedback stemming from the analysis, you can isolate problem areas and pick up small nuances. A number of key parameters are calculated and presented in the final report.

The results of the analysis can be published on the web, for increased accessibility and easy sharing. The web report follows HTML5 standards and works on most standards-compliant browsers and devices.

The report contains basic parameters as well as more in-depth results in the form of plotted time series and tabular data. In addition, the report can contain observations, recommendations and training advice from a running or cycling expert. The report can even include a personal exercise schedule.

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About Qualisys

Qualisys is a leading provider of motion capture technology and has a long history of supplying research, engineering and sports facilities with high-end camera systems and expertise in capturing and analyzing movements. Qualisys offers a wide range of products and services and has offices in Gothenburg, Chicago and Shanghai.

Qualisys is certified according to ISO 9001:2015 and compliant with Medical Device Directive 93/42/EEC, which demonstrates our commitment to provide highest possible quality products and services to our customers. The certifications reflect our ongoing investment in technology, process and people. www.qualisys.com

About Monark

Monark Exercise develops, manufactures and markets cycle ergometers, treadmills and exercise bikes for training, professional sports, hospitals, health care facilities, sports medicine institutions and research laboratories. Since the early 1900s, Monark Exercise products have been living proof of precision, reliability and durability. Monark Exercise is a world leader in training and test equipment, retailed in more than 70 countries worldwide.

All Monark Exercise products are certified by a notified body according to the Medical Device Directive 93/42/EEC, Class IIa, EN 61000-3-2 and ISO 20957-1.

www.sports-medical.monarkexercise.se