

## Project Automation Framework

The Project Automation Framework (PAF) for Qualisys Track Manager (QTM) is a customizable infrastructure that lets you automate repetitive tasks in your workflow, effectively streamlining the motion capture process for any particular application.

Clicking the Start Processing button triggers data export from QTM and report generation, often using processing software such as Visual3D. This makes PAF the perfect tool where data must be collected according to a specific protocol, for example in a research study.

Pre-defined modules exist for a number of applications, including gait, running, golf and baseball. Alternatively, the PAF built into QTM allows you to create your own analysis module. Use Visual3D, Matlab, Python, Excel or any other application to do the biomechanical calculations. Example modules are available for free download at <https://github.com/qualisys/paf-resources>.

## FEATURES

- Unified project workflow
- Automated report generation
- Ability to create custom modules
- Metadata management
- Full QTM integration
- Not limited to single marker set

## AVAILABLE MODULES

- CAST, IOR and Conventional Gait Model
- Golf swing & putting
- Running,
- Cycling
- Equine
- Baseball
- Open - develop your own analysis module.

## MANAGEMENT OF METADATA

PAF comes with powerful tools for managing metadata, which can easily be entered and changed directly in QTM. The data is stored in a simple, transparent file hierarchy, making it easy and hassle-free to move the data across disks and computers.

## MARKER SET FREEDOM

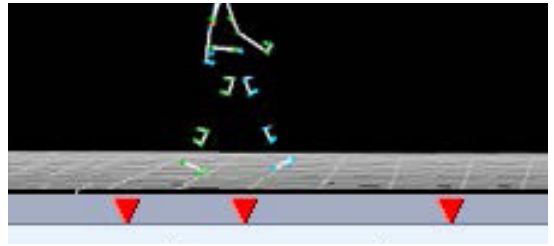
The Project Automation Framework itself is not limited to any specific marker set – you can adapt it to any marker set you want. However, each pre-defined PAF module is programmed to work with a number of common marker sets. For example, the Gait package works with CAST, IOR and Conventional Gait Model.

## WORD REPORT TEMPLATES

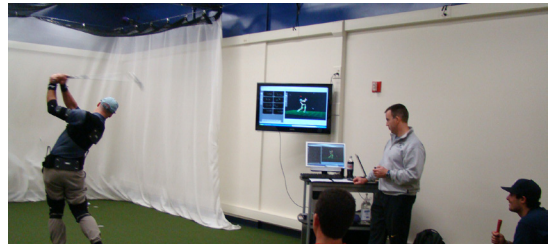
Most of the PAF modules come with a finished template for creating reports in Microsoft Word. The template is like any other Word document except that it has special fields – fields that get populated with plots and data when run through PAF.

## WEB REPORT

Selected modules come with a customizable, interactive web report where you can add your own comments or training advice. The results are presented in an attractive design and user-friendly layout.



PAF gait modules supports adding events through different event modes manual, automatic and force plate based.



Penn State's Golf Teaching and Research Center, GTRC (US) uses the Qualisys PAF Golf module for research & education.



Clinical Gait Analysis & Research Facility at Salford University (UK) uses Qualisys PAF Gait module and the CAST marker set.



Texas Health Ben Hogan Sports Medicine - Baseball (US) uses Qualisys PAF Baseball module.

