artemYs CONFIDENTIAL

ATHLETE ID

FOR HUMAN PERFORMANCE

DISCLAIMER

TERMS & CONDITIONS

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Method

DATA INPUT

ATHLETE INERTIAL DATA IS COLLECTED BY ANY INDUSTRY - STANDARD TRACKING SENSOR SYSTEM, WITH NO HASSLE ON THE CLIENT'S SIDE.

A LOWER LIMB MAGNETIC RESONANCE IMAGING (MRI) SCAN* IS COLLECTED, INCLUDING THE MOTOR UNIT(S) OF INTEREST (PAST SCANS CAN BE EXPLOITED).

SYSTEM METRICS

INPUT DATA IS PROCESSED, DUE TO CALCULATE THE SYSTEM METRICS** PERTAINING TO THE WORKLOAD ASSESSMENT & MYOSKELETAL MONITORING

ADDITIONAL DATA

EXTRA DATA AND INFORMATION MAY BE COLLECTED EITHER THROUGH AD-HOC EMBEDDED SOLUTIONS OR EXTERNAL AVAILABLE APIS.

THIS KIND OF INFORMATION IS USUALLY ATTACHED TO THE OVERALL ATHLETE MONITORING.

ATHLETE ID

THE SYSTEM WRAPS ALL THE AVAILABLE DATA AND COMPUTED METRICS, ALONG WITH THE ADDITIONAL SOURCES' INFORMATION INTO A PERSONAL MEDICAL RECORD. THE LATTER REFLECTS THE ATHLETE'S CURRENT AND PAST PERFORMANCE & HEALTH CONDITION.

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* MRI: Standard specifications apply, in order for the system to adequately "capture" the motor units' necessary datapoints. For additional information, please contact our engineering department support@evo4p.com.

** For more Information on Workload and Myoskeletal components, refer to the respective brochures.

01

Data Input

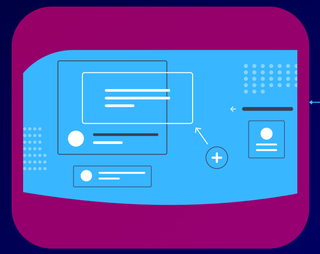
3D inertial data
MRI scans

02

System Metrics

Workload Assessment
Myoskeletal Monitoring

03



3rd Party Data

Extra Sources of
Athlete Monitoring

04

Athlete ID

Wrapping data/insights
Health Records

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Current Solutions

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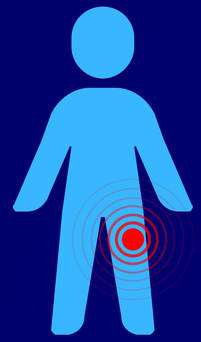
Unlocking...

A multitude of additional concepts pertaining to the motor units, like:

- ✓ Material characterisation
- ✓ Geometry
- ✓ Forces/ Momentums exerted

Generic
athlete-focused

Targeted
motor unit-focused



Workload **Material** **Geometry** **Forces** **Stress load**

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Lost information

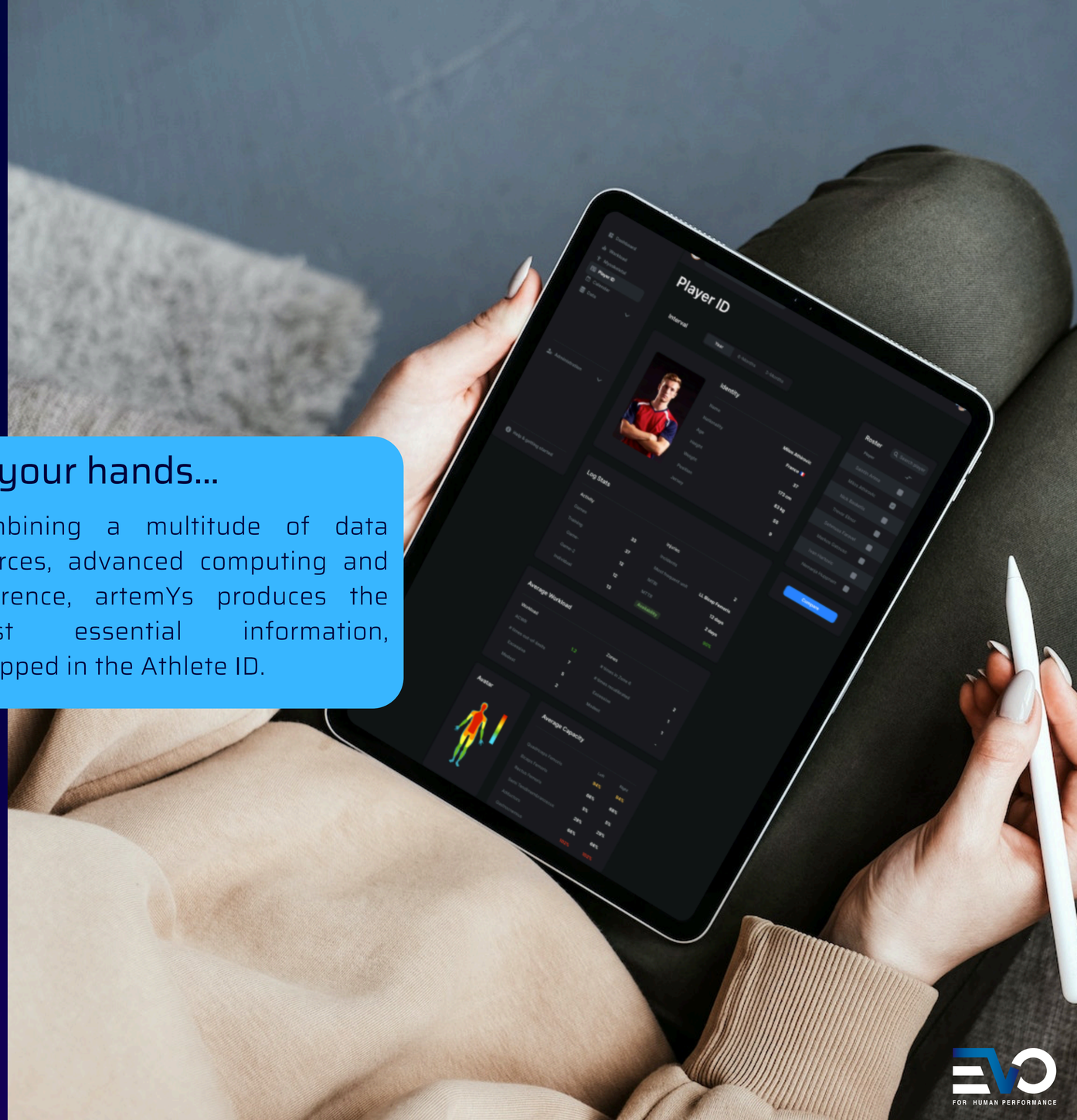
Athletes' historical data, metrics and insights are often lost.

Either because of team transfers or the lack of sufficient systems, capable to maintain and share this invaluable information.

Or both...

In your hands...

Combining a multitude of data sources, advanced computing and inference, artemYs produces the most essential information, wrapped in the Athlete ID.



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Teardown

Athlete ID

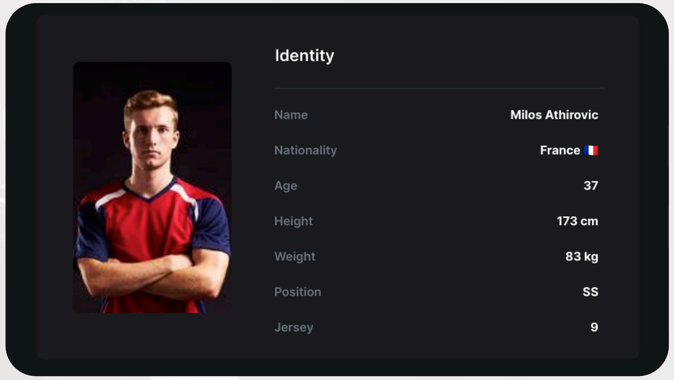
COMES WITH A HANDY OF ELEMENTS, REFLECTING THE ATHLETE'S:

1. ACTIVITY STATS
2. WORKLOAD METRICS
3. MYOSKELETAL CONDITION

THE SYSTEM COLLECTS ALL KIND* OF:

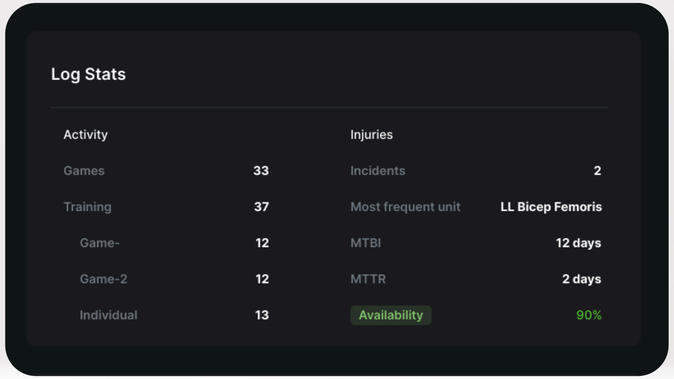
- ✓ NATIVE DATA
- ✓ COMPUTED METRICS
- ✓ THIRD PARTY DATA
- ✓ FOR CUSTOM TIME INTERVALS

* For custom reporting, please refer to our product department. We will be happy to enrich your Athlete ID, with any extra information.



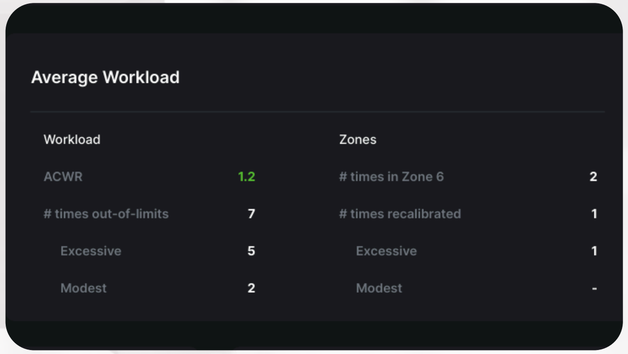
IDENTITY

A generic block referring to the athlete's ID details like the age, height, weight, position and so on.



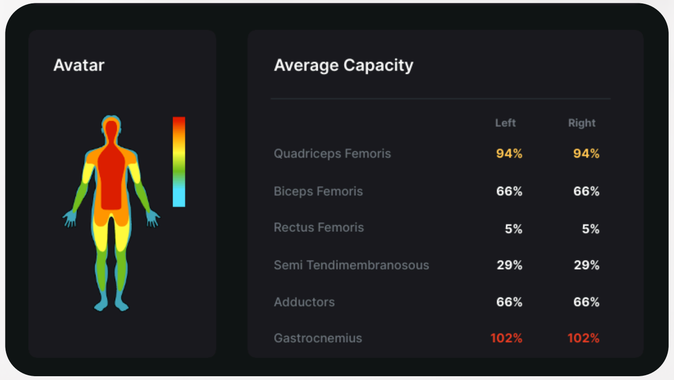
LOG

A twofold block which incorporates the athlete's activity and injuries details. The user can easily analyse the **participation** ratio & the respective resolution [games etc]. Advanced injury **metrics** can also be exploited, depicting the time between injuries & the time to heal and the **availability**.



WORKLOAD

This block encapsulates the WL inclined metrics, including the average **ACWR** & the excessive values. The **Zones** column reflects the number of times the athlete visited their Z6 & any detected change of their physical condition (recalibration).



MYOSKELETAL

This block refers to the myoskeletal condition, through a precise analysis of the **capacity** per leg/muscle. The embedded **avatar** depicts a heatmap, to better reflect the athlete's condition.

Contact

EVO HUMAN PERFORMANCE IS A TEAM OF BIOENGINEERS AND DATA SCIENTISTS WITH THE SOLE FOCUS OF PROVIDING AND DELIVERING DATA-DRIVEN, PERSONALISED AND EXPLAINABLE SOLUTIONS TO OUR CLIENTS IN THE SPORT SECTOR.

WE ARE HEADQUARTERED IN ATHENS, GREECE. CURRENTLY, WE ARE SERVING SEVERAL DOMESTIC AND EUROPEAN PROFESSIONAL CLUBS, BOTH IN FOOTBALL AND BASKETBALL.

From data to success

By combining inertial sensor data with myoskeletal measurements, we deliver a complete BioEngineering solution which answers the multifactorial nature of muscle injuries.

OUR SERVICES HAVE BEEN PRAISED BY RENOWNED PERSONALITIES OF THE EUROPEAN SPORTS FIELD, LIKE MASSIMO SIMONETTA (H&P OFFICER PRESSO EUROLEAGUE BASKETBALL).

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INQUIRIES

info@evo4hp.com
sofia.pomakidou@evo4hp.com

SUPPORT

support@evo4hp.com

PHONE NUMBER

+30 693 6738149 SOFIA POMAKIDOU

ADDRESS

Grammou 10, Melissia, Athens, ST 15127

evo4hp.com