PERFORM *IMU*

Next Level Performance Monitoring and Analytics

KINE✕ON

KINEXON
PERFORM *IMU*

OUR STORY
The World's Most Used Mobile Monitoring System

KINEXON is the first, and so far, only sports performance monitoring and analytics provider on the market that covers the complete range of performance data for team sports. We offer a holistic system consisting of sensors and software which measure, analyze and improve performance.

PERFORM *IMU* has the ability to track athletes anywhere and at any time with an easily portable mobile system. This system does not require a wired installation. Instead it uses cutting-edge IMU technology and AI to provide centimeter-accurate performance data.

❚❚ So far, they've been amazing. The logistics, the product they provide... it's probably the best product we've seen out there that's the least invasive. The software product and the logistics operations they brought to the table as an overall package for us, was perfect. Everything that they're capturing at the highest level of our sport is easily translatable to the lower levels; it's going to be the next wave of the future of recruiting. We couldn't be more thrilled with our relationship with KINEXON and what they're providing for the sport.

Jeff Conover
Senior Director, Sport & Competition
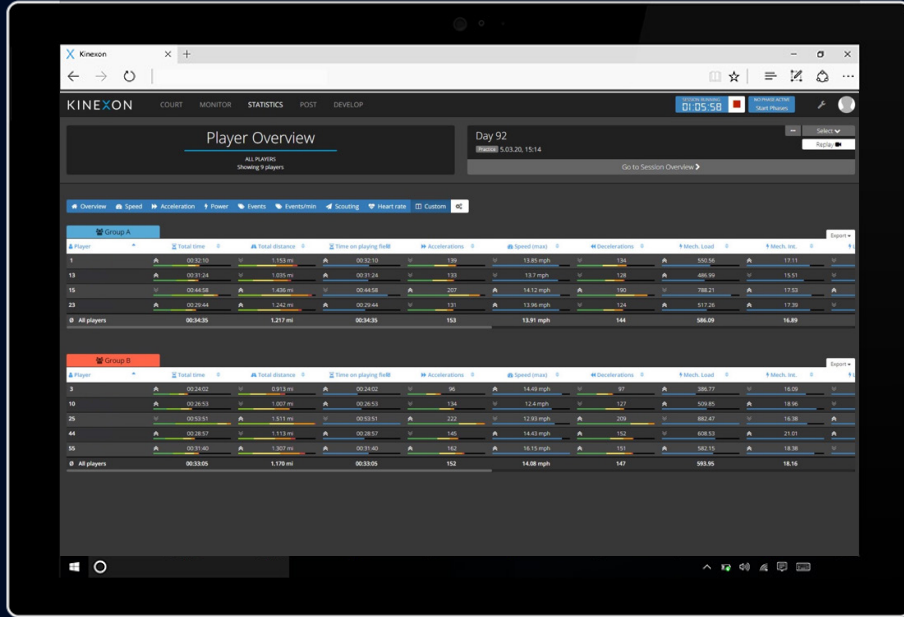**AVP Beach Volleyball**

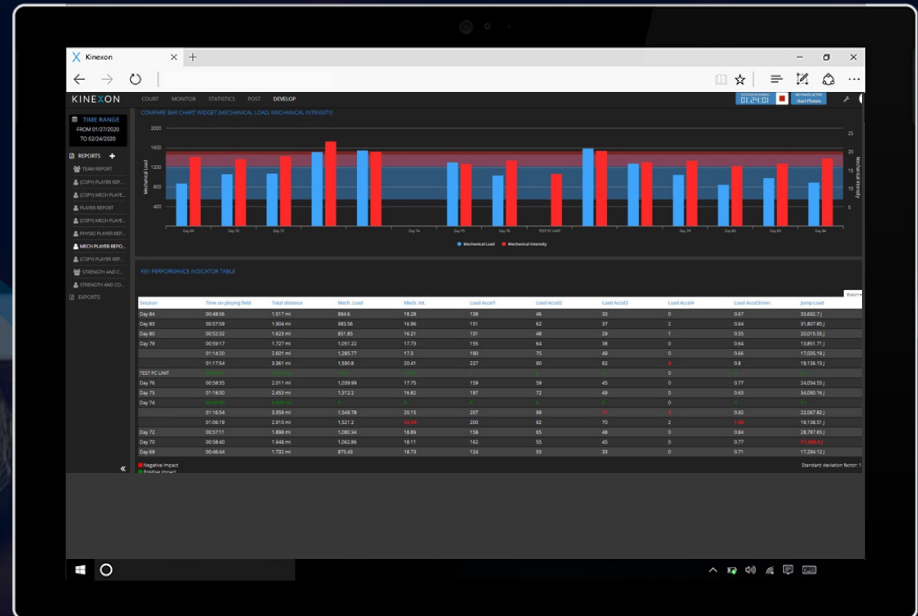# FEATURED VOLLEYBALL CLIENTS

NOTABLE *IMU* CLIENTS
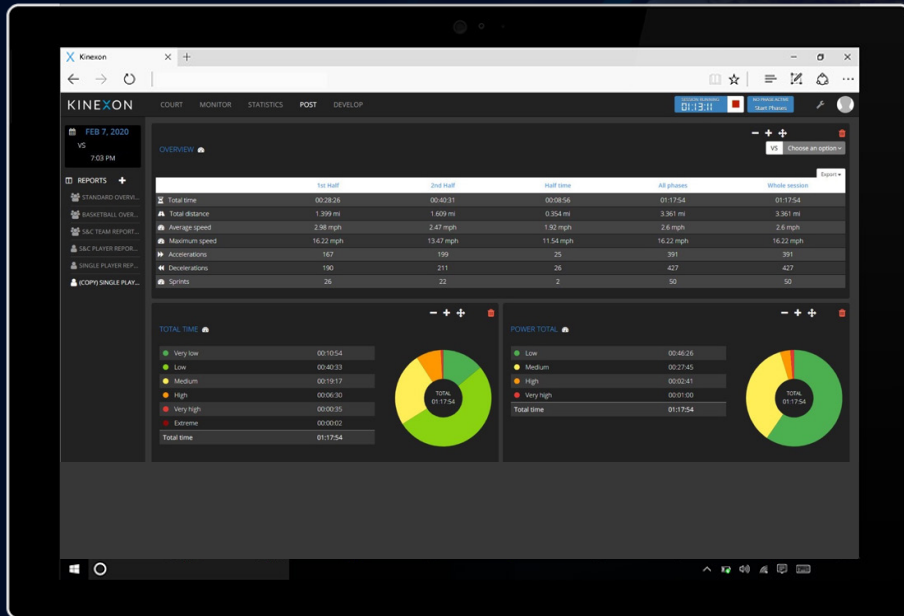
SOFTWARE

< KINEXON STATISTICS

provides an overview of key load metrics for each individual player in a game or range of games.
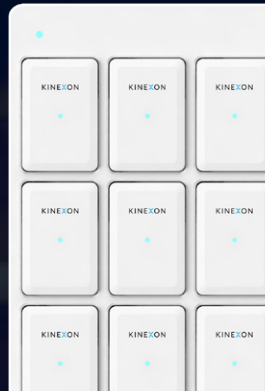

^ KINEXON DEVELOP

provides reporting capabilities over a time range consisting of multiple sessions. Values of key metrics during each session can be compared to each other, average values, and standard deviation ranges. In addition, KINEXON implements a flagging system that highlights when a player performs at a level outside of a one standard deviation range.
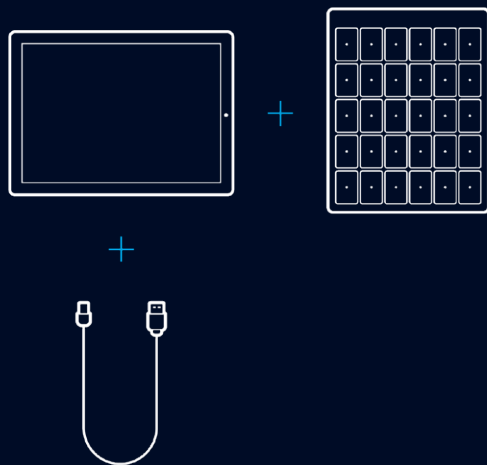
< KINEXON POST

is our hub for detailed reporting for a specific game or practice session. Values in key metrics for a player are broken out by the different phases or periods that occurred in the session. In addition, the cumulative totals of certain metrics and events can be presented based on the distribution of categorization.

Next Level Performance Monitoring Made Simple

KINEXON's system requires minimal hardware and components, making it is easy to set up and use. Our Project Management team will provide onboarding and instructions so you can start monitoring your athletes promptly after receiving your equipment.

SENSOR PLACEMENT

IMU sensors can be comfortably fixed into the KINEXON connected vest.

IMU SENSOR SPECS

Dimensions	49mm x 33mm x 8mm, 0.49 oz
Battery Life	6 hours
Charging	Via Docking Station or Individually via USB Cable
Communication	Ultra-wideband & Bluetooth 5
Scalability	Monitor 1 to 100+ trackers live
Heart Rate	Integrated heart rate measurement (ECG-derived)
	Polar & Suunto compatible
IMU	3-axis accelerometer ±16G sampled at 1 KHz, provided with 100Hz
	3-axis gyroscope ±4000 deg/sec @ 200Hz
	3-axis magnetometer ±16 µT @ 100Hz
Certification	CE, FCC, FIFA IMS
Use Location	Anywhere

CHARGING STATION

KINEXON CONNECTED VEST

Data with Context

PERFORM *IMU* relies on several different load metrics derived from our accelerometer to capture all aspects of player speed, acceleration and workload profile.

These live metrics, measured by position group:

– Help you design practices and drills to prepare for game level demands.
– Help prevent overuse by monitoring seasonal work loads.
– Help with the creation of return-to-play protocols for injured players based on baseline practice and game data.

PHYSIOLOGICAL INTENSITY

ACCUMULATED ACCELERATION LOAD

TOTAL DISTANCE

LATERAL ACCELERATION & DECELERATION

& MORE...

 # OF JUMPS, JUMP HEIGHT, JUMP LOAD

Women's sports pose unique challenges that men's data, metrics, and analytics do not provide a solution for. That is why KINEXON has developed a product using powerful AI algorithms to better monitor the loads accumulated in women's sports. KINEXON is proud to be the first solution on the market to take into account these specific considerations and adapt accordingly.

CONTACT

We're Here to Help

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