

# NEXT GENERATION GPS SYSTEM

## Products Pro

### 2017

## SYSTEM

▪ System that uses satellite technology to detect the position of the players with a real sampling frequency available in different versions: 10Hz & 50Hz. GPS system is linked to a sensorized shirt (validated by University "Politecnico di Milano") able to detect the ECG in a not-invasive way, and to transmit it to the GPS device through an innovative textile, so GPS data and Heart Rate data are downloaded at the same time to the PC, and you can save time and improve your analysis

## KEY PERFORMANCE INDEX

The system provides all validated performance parameters at the state of the art. Examples:

- Trajectories
- Distance
- Equivalent distance
- Speed
- Acceleration
- Deceleration
- Metabolic power
- Anaerobic index
- Estimated energy expenditure
- Changes of direction
- Eccentric Index
- Muscle load
- Balance
- Heart rate
- Stress Index



## SOFTWARE FEATURES

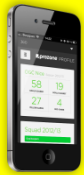
- Individual and collective analysis
- Internal and external load analysis
- Global session analysis and single exercise/test analysis
- Possibility to personalize all type of thresholds (speed, acceleration, deceleration, metabolic power, heart rate)
- Analysis of high intensity activity, sprint and recovery
- Parameters and reports are 100% customizable

# System



## TECHNICAL SPECIFICATIONS

- Sampling frequency: 10-50Hz
- IMU 100Hz
- Accelerometer 100Hz 3D 16G
- Gyroscope 100Hz 3D
- Magnetometer 100Hz 3D
- Weight: 63/65 g
- Size: 69\*49\*19 mm
- Battery: from 6 to 14h
- Memory: from 14h to unlimited
- Downloading type: parallel (all gps units at the same time)
- Downloading time: from live to 10 -20 seconds per session
- PC connection and charge: wireless or USB



# K-SportOnline

## TECHNOLOGY

Developed by state of the art technologies, optimized for visualization on each type of device (eg PC, notebook, tablet, smartphone, i-pad, i-phone).

K-SportOnline is the most complete portal that allows to analyze data via web.

An essential tool for sharing information, a global database, accessible from anywhere through confidential accounts.

## ONLINE GLOBAL PORTAL

- **All-in-one: only 1 system for matches and training sessions**
- Different level of access (eg manager, staff, player)
- Complete control of fitness performance and trends
- **Unlimited system: the user can add new personalized parameters and the updates are automatically installed by the system**
- Comparison between players (first team, youth sector) and league average based on an artificial intelligence system that aims to identify talent on a scientific basis
- Export: PDF, excel and in image format
- 100% customizable



**RESPONSIVE DESIGN**  
K-SportOnline is developed using Responsive Design Technology, that allows to access data by all digital devices:

- ✓ Pc/Mac
- ✓ Tablet/iPad
- ✓ Smartphone/iPhone

# Versions

	K-Gps NEXT	K-Gps LIVE
GPS real sampling frequency	10Hz	50Hz
Accelerometer	-	100Hz 3D 16G
Gyroscope	-	100HZ 3D
Magnetometer	-	100HZ 3D
Heart rate	-	Textile sensors
Weight	63g	65g
Size	69x49x19mm	79x49x17mm
Battery	14h	6h
Memory	14h	Unlimited
Downloading type	Parallel (all units at the same time)	
Downloading time	10-20 seconds per session	Live
PC connection	USB	Wireless
Live	-	Yes
Recharge	USB	Docking station



**K-Sport Universal Srl**  
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